

# Schema documentation for XML- Schema\_KVP\_DL\_PV\_Enums\_ext-1.13.0.xsd

june 3, 2026

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| Element tns:TXSNAWB_Req_Type / orgSperrkandidat .....                 | 191 |
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## Resource hierarchy:

Legend:  Import,  Include,  Redefine,  Override,  Cycle detected

XML-Schema\_KVP\_DL\_PV\_Enums\_ext-1.13.0.xsd

- ✚ XML-Schema\_Common\_Types.xsd
- ✚ XML-Schema\_KA\_Common.xsd
- ✚ XML-Schema\_Common\_Types.xsd
- ✚ XML-Schema\_ION.xsd
- ✚ XML-Schema\_Common\_Types.xsd
- ✚ XML-Schema\_KA\_Common.xsd
- ✚ XML-Schema\_Common\_Types.xsd
- ✚ XML-Schema\_KVP\_DL\_PV.xsd
- ✚ XML-Schema\_Common\_Types.xsd
- ✚ XML-Schema\_KA\_Common.xsd
- ✚ XML-Schema\_Common\_Types.xsd
- ✚ XML-Schema\_ION.xsd
- ✚ XML-Schema\_Common\_Types.xsd
- ✚ XML-Schema\_KA\_Common.xsd
- ✚ XML-Schema\_Common\_Types.xsd

**Namespace: "http://vdv/ka/kvp-dl-pv/2"**

## Schema(s)

### Main schema XML - Schema\_KVP\_DL\_PV\_Enums\_ext-1.13.0.xsd

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Schema which defines enumerations used in the environment of customer contract partner, product owner or transport service provider.<br>These enumerations only have documentation purposes.<br>At least in Java, the JAXB compiler does not create Java enumerations from the XSD enumeration elements if these elements does not base on strings or have numeric names.<br>As described in <a href="https://docs.oracle.com/javase/tutorial/jaxb/intro/custom.html">https://docs.oracle.com/javase/tutorial/jaxb/intro/custom.html</a> , you can employ additional binding files to help the JAXB compiler generating Java enum pattern. |
| Properties      | attribute form default: unqualified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                 | element form default: qualified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                 | version: 1.13.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/ext/1.13.0/XML-Schema_KVP_DL_PV_Enums_ext-1.13.0.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### Included schema XML - Schema\_KVP\_DL\_PV.xsd

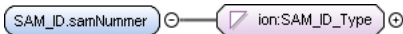
|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Properties      | attribute form default: unqualified                                                                                      |
|                 | element form default: qualified                                                                                          |
|                 | version: 1.13.0                                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Element(s)

### Element `tns:NmTransaktion_ID_Type` / `tns:samSequenznummer`

|                 |                                                                                                                          |              |            |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |              |            |              |   |
| Diagram         |                                         |              |            |              |   |
| Type            | tns:SequenceNumberFour                                                                                                   |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:SequenceNumberFour</li> </ul>       |              |            |              |   |
| Properties      | content: simple                                                                                                          |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>            | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                               |              |            |              |   |
| minInclusive    | 0                                                                                                                        |              |            |              |   |
| Source          | <code>&lt;xs:element name="samSequenznummer" type="tns:SequenceNumberFour"/&gt;</code>                                   |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |              |            |              |   |

### Element `tns:NmTransaktion_ID_Type` / `tns:SAM_ID.samNumber`

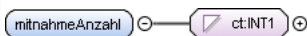
|                 |                                                                                                                                               |              |          |              |   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                     |              |          |              |   |
| Diagram         |                                                              |              |          |              |   |
| Type            | tns:SAM_ID_Type                                                                                                                               |              |          |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:ReferenceNumberThree</li> <li>tns:SAM_ID_Type</li> </ul> |              |          |              |   |
| Properties      | content: simple                                                                                                                               |              |          |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>16777215</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                   | maxInclusive | 16777215 | minInclusive | 0 |
| maxInclusive    | 16777215                                                                                                                                      |              |          |              |   |
| minInclusive    | 0                                                                                                                                             |              |          |              |   |
| Source          | <code>&lt;xs:element name="SAM_ID.samNumber" type="tns:SAM_ID_Type"/&gt;</code>                                                               |              |          |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                      |              |          |              |   |

### Element `tns:Mitnahme_Type` / `tns:mitnahmeTyp`

|                |                                                                                                                                                                                            |        |                               |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                  |        |                               |
| Diagram        |                                                                                                         |        |                               |
| Type           | tns:Profil_CODE_Type                                                                                                                                                                       |        |                               |
| Type hierarchy | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:Profil_CODE_Type</li></ul></li></ul></li></ul> |        |                               |
| Properties     | content:                                                                                                                                                                                   | simple |                               |
| Facets         | maxInclusive                                                                                                                                                                               | 255    |                               |
|                | minInclusive                                                                                                                                                                               | 0      |                               |
|                | enumeration                                                                                                                                                                                | 0      | nicht spezifiziert/unbestimmt |
|                | enumeration                                                                                                                                                                                | 1      | Erwachsener                   |
|                | enumeration                                                                                                                                                                                | 2      | Kind                          |
|                | enumeration                                                                                                                                                                                | 3      | Student                       |
|                | enumeration                                                                                                                                                                                | 5      | Behinderter                   |

|                 |                                                                                                                          |    |                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|----|------------------------------------|
|                 | enumeration                                                                                                              | 6  | Sehbehinderter                     |
|                 | enumeration                                                                                                              | 7  | Hoergeschaedigter                  |
|                 | enumeration                                                                                                              | 8  | Arbeitsloser/Sozialhilfeempfaenger |
|                 | enumeration                                                                                                              | 9  | Personal                           |
|                 | enumeration                                                                                                              | 10 | Militaeranhehoeriger               |
|                 | enumeration                                                                                                              | 19 | Schueler                           |
|                 | enumeration                                                                                                              | 20 | Azubi                              |
|                 | enumeration                                                                                                              | 25 | Senior                             |
| Source          | <xs:element name="mitnahmeTyp" type="tns:Profil_CODE_Type"/>                                                             |    |                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |    |                                    |

## Element tns:Mitnahme\_Type / tns:mitnahmeAnzahl

|                 |                                                                                                                          |        |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |        |  |
| Diagram         |                                         |        |  |
| Type            | tns:INT1                                                                                                                 |        |  |
| Properties      | content:                                                                                                                 | simple |  |
| Facets          | maxInclusive                                                                                                             | 255    |  |
|                 | minInclusive                                                                                                             | 0      |  |
| Source          | <xs:element name="mitnahmeAnzahl" type="ct:INT1"/>                                                                       |        |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |        |  |

## Element tns:Linie\_ID\_Type / tns:linienNummer

|                 |                                                                                                                                                                                                    |        |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                          |        |  |
| Diagram         |                                                                                                                 |        |  |
| Type            | tns:ReferenceNumberTwo                                                                                                                                                                             |        |  |
| Type hierarchy  | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT2<ul style="list-style-type: none"><li>• tns:ReferenceNumberTwo</li></ul></li></ul></li></ul> |        |  |
| Properties      | content:                                                                                                                                                                                           | simple |  |
| Facets          | maxInclusive                                                                                                                                                                                       | 65535  |  |
|                 | minInclusive                                                                                                                                                                                       | 0      |  |
| Source          | <xs:element name="linienNummer" type="ct:ReferenceNumberTwo"/>                                                                                                                                     |        |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                           |        |  |

## Element tns:Linie\_ID\_Type / tns:linieDomaene\_ID

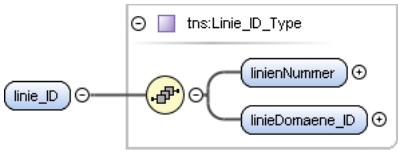
|                |                                                                                                                                                 |        |  |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                       |        |  |
| Diagram        |                                                              |        |  |
| Type           | tns:Organisation_ID                                                                                                                             |        |  |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |        |  |
| Properties     | content:                                                                                                                                        | simple |  |

|                 |                                                                                                                          |       |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|-------|
| Facets          | maxInclusive                                                                                                             | 65535 |
|                 | minInclusive                                                                                                             | 0     |
| Source          | <xs:element name="linieDomaene_ID" type="ka:Organisation_ID"/>                                                           |       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |       |

### Element tns:LinieVariante\_ID\_Type / tns:variantenNummer

|                 |                                                                                                                          |        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |        |
| Diagram         |                                         |        |
| Type            | tns:ReferenceNumberOne                                                                                                   |        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:ReferenceNumberOne</li> </ul>       |        |
| Properties      | content:                                                                                                                 | simple |
| Facets          | maxInclusive                                                                                                             | 255    |
|                 | minInclusive                                                                                                             | 0      |
| Source          | <xs:element name="variantenNummer" type="ct:ReferenceNumberOne"/>                                                        |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |        |

### Element tns:LinieVariante\_ID\_Type / tns:linie\_ID

|                 |                                                                                                                                                                                                                     |         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                           |         |
| Diagram         |                                                                                                                                  |         |
| Type            | tns:Linie_ID_Type                                                                                                                                                                                                   |         |
| Properties      | content:                                                                                                                                                                                                            | complex |
| Model           | tns:linienNummer , tns:linieDomaene_ID                                                                                                                                                                              |         |
| Children        | tns:linieDomaene_ID, tns:linienNummer                                                                                                                                                                               |         |
| Instance        | <pre>&lt;tns:linie_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:linienNummer&gt;{1,1}&lt;/tns:linienNummer&gt;   &lt;tns:linieDomaene_ID&gt;{1,1}&lt;/tns:linieDomaene_ID&gt; &lt;/tns:linie_ID&gt;</pre> |         |
| Source          | <xs:element name="linie_ID" type="tns:Linie_ID_Type"/>                                                                                                                                                              |         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                            |         |

### Element tns:Fahrt\_ID\_Type / tns:fahrtNummer

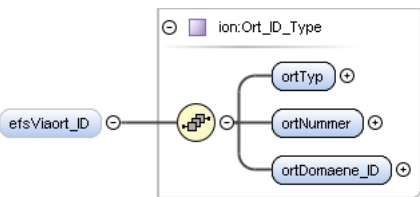
|                |                                                                                                                      |          |
|----------------|----------------------------------------------------------------------------------------------------------------------|----------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                            |          |
| Diagram        |                                   |          |
| Type           | tns:ReferenceNumberThree                                                                                             |          |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:ReferenceNumberThree</li> </ul> |          |
| Properties     | content:                                                                                                             | simple   |
| Facets         | maxInclusive                                                                                                         | 16777215 |
|                | minInclusive                                                                                                         | 0        |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Source          | <code>&lt;xs:element name="fahrtNummer" type="ct:ReferenceNumberThree"/&gt;</code>                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Element tns:Fahrt\_ID\_Type / tns:fahrtBetreiber\_ID

|                 |                                                                                                                                                 |              |       |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                       |              |       |              |   |
| Diagram         |                                                                |              |       |              |   |
| Type            | tns:Organisation_ID                                                                                                                             |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |              |       |              |   |
| Properties      | content: simple                                                                                                                                 |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                        | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                           |              |       |              |   |
| minInclusive    | 0                                                                                                                                               |              |       |              |   |
| Source          | <code>&lt;xs:element name="fahrtBetreiber_ID" type="ka:Organisation_ID"/&gt;</code>                                                             |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                        |              |       |              |   |

## Element tns:EFSViaOrtsListe\_Type / tns:efsViaort\_ID

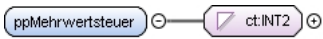
|                 |                                                                                                                                                                                                                                        |          |         |            |   |            |   |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------|---|------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                              |          |         |            |   |            |   |
| Diagram         |                                                                                                                                                     |          |         |            |   |            |   |
| Type            | tns:Ort_ID_Type                                                                                                                                                                                                                        |          |         |            |   |            |   |
| Properties      | <table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>3</td></tr> </table>                                                                                           | content: | complex | minOccurs: | 0 | maxOccurs: | 3 |
| content:        | complex                                                                                                                                                                                                                                |          |         |            |   |            |   |
| minOccurs:      | 0                                                                                                                                                                                                                                      |          |         |            |   |            |   |
| maxOccurs:      | 3                                                                                                                                                                                                                                      |          |         |            |   |            |   |
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                                                     |          |         |            |   |            |   |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                                                       |          |         |            |   |            |   |
| Instance        | <pre>&lt;tns:efsViaort_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;ortTyp&gt;{1,1}&lt;/ortTyp&gt;   &lt;ortNummer&gt;{1,1}&lt;/ortNummer&gt;   &lt;ortDomaene_ID&gt;{1,1}&lt;/ortDomaene_ID&gt; &lt;/tns:efsViaort_ID&gt;</pre> |          |         |            |   |            |   |
| Source          | <code>&lt;xs:element name="efsViaort_ID" type="ion:Ort_ID_Type" minOccurs="0" maxOccurs="3"/&gt;</code>                                                                                                                                |          |         |            |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                               |          |         |            |   |            |   |

## Element tns:TX\_PP\_Type / tns:ppLeistungsPreis

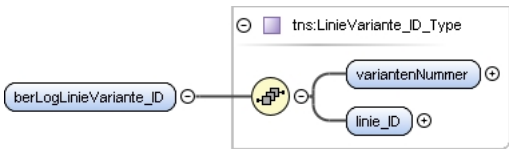
|                |                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                   |
| Diagram        |                          |
| Type           | tns:Amount65535                                                                                             |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:Amount65535</li> </ul> |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Properties      | content: simple                                                                                                          |
| Facets          | maxInclusive 65535                                                                                                       |
|                 | minInclusive 0                                                                                                           |
| Source          | <code>&lt;xs:element name="ppLeistungsPreis" type="tns:Amount65535"/&gt;</code>                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

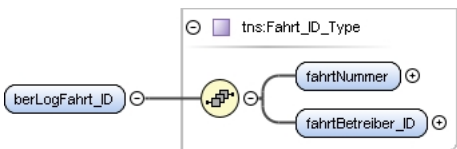
### Element tns:TX\_PP\_Type / tns:ppMehrwertsteuer

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Diagram         |                                         |
| Type            | tns:INT2                                                                                                                 |
| Properties      | content: simple                                                                                                          |
| Facets          | maxInclusive 65535                                                                                                       |
|                 | minInclusive 0                                                                                                           |
| Source          | <code>&lt;xs:element name="ppMehrwertsteuer" type="ct:INT2"/&gt;</code>                                                  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

### Element tns:TX\_BERLOG\_Type / tns:berLogLinieVariante\_ID

|                 |                                                                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                               |
| Diagram         |                                                                                                                                                       |
| Type            | tns:LinieVariante_ID_Type                                                                                                                                                                                                               |
| Properties      | content: complex                                                                                                                                                                                                                        |
| Model           | tns:variantenNummer , tns:linie_ID                                                                                                                                                                                                      |
| Children        | tns:linie_ID, tns:variantenNummer                                                                                                                                                                                                       |
| Instance        | <pre>&lt;tns:berLogLinieVariante_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:variantenNummer&gt;{1,1}&lt;/tns:variantenNummer&gt;   &lt;tns:linie_ID&gt;{1,1}&lt;/tns:linie_ID&gt; &lt;/tns:berLogLinieVariante_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="berLogLinieVariante_ID" type="tns:LinieVariante_ID_Type"/&gt;</code>                                                                                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                |

### Element tns:TX\_BERLOG\_Type / tns:berLogFahrt\_ID

|            |                                                                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                         |
| Diagram    |                                                                                                                                                |
| Type       | tns:Fahrt_ID_Type                                                                                                                                                                                                                 |
| Properties | content: complex                                                                                                                                                                                                                  |
| Model      | tns:fahrtNummer , tns:fahrtBetreiber_ID                                                                                                                                                                                           |
| Children   | tns:fahrtBetreiber_ID, tns:fahrtNummer                                                                                                                                                                                            |
| Instance   | <pre>&lt;tns:berLogFahrt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:fahrtNummer&gt;{1,1}&lt;/tns:fahrtNummer&gt;   &lt;tns:fahrtBetreiber_ID&gt;{1,1}&lt;/tns:fahrtBetreiber_ID&gt; &lt;/tns:berLogFahrt_ID&gt;</pre> |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Source          | <code>&lt;xs:element name="berLogFahrt_ID" type="tns:Fahrt_ID_Type"/&gt;</code>                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Element tns:TX\_LOG\_Type / tns:logTransaktionsoperator\_ID

|                 |                                                                                                                                                 |              |       |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                       |              |       |              |   |
| Diagram         |                                                                                                                                                 |              |       |              |   |
| Type            | tns:Organisation_ID                                                                                                                             |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |              |       |              |   |
| Properties      | content: simple                                                                                                                                 |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                        | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                           |              |       |              |   |
| minInclusive    | 0                                                                                                                                               |              |       |              |   |
| Source          | <code>&lt;xs:element name="logTransaktionsoperator_ID" type="ka:Organisation_ID"/&gt;</code>                                                    |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                        |              |       |              |   |

## Element tns:TX\_LOG\_Type / tns:logTransaktionsZeitpunkt\_ID

|                 |                                                                                                                                          |              |                     |              |                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|--------------|---------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                |              |                     |              |                     |
| Diagram         |                                                                                                                                          |              |                     |              |                     |
| Type            | tns:DateTimeCompact                                                                                                                      |              |                     |              |                     |
| Properties      | content: simple                                                                                                                          |              |                     |              |                     |
| Facets          | <table> <tr> <td>maxInclusive</td><td>2117-12-31T23:59:58</td></tr> <tr> <td>minInclusive</td><td>1990-01-01T00:00:00</td></tr> </table> | maxInclusive | 2117-12-31T23:59:58 | minInclusive | 1990-01-01T00:00:00 |
| maxInclusive    | 2117-12-31T23:59:58                                                                                                                      |              |                     |              |                     |
| minInclusive    | 1990-01-01T00:00:00                                                                                                                      |              |                     |              |                     |
| Source          | <code>&lt;xs:element name="logTransaktionsZeitpunkt_ID" type="ct:DateTimeCompact"/&gt;</code>                                            |              |                     |              |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                 |              |                     |              |                     |

## Element tns:TX\_LOG\_Type / tns:logTransaktionsort\_ID

|                 |                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                                                                          |
| Type            | tns:Ort_ID_Type                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                         |
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                                                                       |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:logTransaktionsort_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;ortTyp&gt;{1,1}&lt;/ortTyp&gt;   &lt;ortNummer&gt;{1,1}&lt;/ortNummer&gt;   &lt;ortDomaene_ID&gt;{1,1}&lt;/ortDomaene_ID&gt; &lt;/tns:logTransaktionsort_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="logTransaktionsort_ID" type="ion:Ort_ID_Type"/&gt;</code>                                                                                                                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                 |

## Element tns:TX\_LOG\_Type / tns:logTransaktionsTyp\_ID

|                 |                                                                                                                                                                                                            |        |                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                  |        |                                                                                      |
| Diagram         |                                                                                                                                                                                                            |        |                                                                                      |
| Type            | tns:NmTransaktionsTyp_CODE                                                                                                                                                                                 |        |                                                                                      |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt <ul style="list-style-type: none"> <li>tns:INT1 <ul style="list-style-type: none"> <li>tns:NmTransaktionsTyp_CODE</li> </ul> </li> </ul> </li> </ul> |        |                                                                                      |
| Properties      | content:                                                                                                                                                                                                   | simple |                                                                                      |
| Facets          | maxInclusive                                                                                                                                                                                               | 255    |                                                                                      |
|                 | minInclusive                                                                                                                                                                                               | 0      |                                                                                      |
|                 | enumeration                                                                                                                                                                                                | 0      | Keine Angabe                                                                         |
|                 | enumeration                                                                                                                                                                                                | 1      | Ausgabetransaktion - Applikation oder Berechtigung                                   |
|                 | enumeration                                                                                                                                                                                                | 2      | Entwertung                                                                           |
|                 | enumeration                                                                                                                                                                                                | 11     | CI                                                                                   |
|                 | enumeration                                                                                                                                                                                                | 12     | C0                                                                                   |
|                 | enumeration                                                                                                                                                                                                | 15     | Einzahlung - Berechtigung                                                            |
|                 | enumeration                                                                                                                                                                                                | 16     | CI nach Fahrtfortsetzung                                                             |
|                 | enumeration                                                                                                                                                                                                | 18     | NTP Aendern                                                                          |
|                 | enumeration                                                                                                                                                                                                | 20     | Sperrtransaktion Applikation oder Berechtigung                                       |
|                 | enumeration                                                                                                                                                                                                | 21     | Entsperrtransaktion Applikation oder Berechtigung                                    |
|                 | enumeration                                                                                                                                                                                                | 22     | BI                                                                                   |
|                 | enumeration                                                                                                                                                                                                | 23     | BO                                                                                   |
|                 | enumeration                                                                                                                                                                                                | 24     | INOUT                                                                                |
|                 | enumeration                                                                                                                                                                                                | 25     | Rueckgabetransaktion - Applikation oder Berechtigung                                 |
|                 | enumeration                                                                                                                                                                                                | 27     | Kontrolle                                                                            |
|                 | enumeration                                                                                                                                                                                                | 28     | Belastungstransaktion - Berechtigung und Gutschriften bei Rueckzahlung (POB/PEB/WEB) |
|                 | enumeration                                                                                                                                                                                                | 29     | Belastungstransaktion WEB mit Autoload                                               |
|                 | enumeration                                                                                                                                                                                                | 30     | WEB Buchung(Laden/Entladen)                                                          |
|                 | enumeration                                                                                                                                                                                                | 31     | WEB-CI mit Autoload                                                                  |
|                 | enumeration                                                                                                                                                                                                | 32     | WEB-C0 mit Autoload                                                                  |
|                 | enumeration                                                                                                                                                                                                | 33     | Kontrolle nach CI; BIBO oder Entwertung                                              |
|                 | enumeration                                                                                                                                                                                                | 34     | Check personal (CPKontrolldatensatz fuer Kontrollterminal)                           |
|                 | enumeration                                                                                                                                                                                                | 35     | Auto C0                                                                              |
|                 | enumeration                                                                                                                                                                                                | 36     | manuelles C0 (nachtraeglich durch den Nutzer)                                        |
|                 | enumeration                                                                                                                                                                                                | 37     | Ausgabe EFS ueber Aktionsliste                                                       |
|                 | enumeration                                                                                                                                                                                                | 38     | Entsperrtransaktion EFS ueber Aktionsliste                                           |
|                 | enumeration                                                                                                                                                                                                | 39     | Rueckgabetransaktion EFS ueber Aktionsliste                                          |
| Source          | <xs:element name="logTransaktionsTyp_ID" type="tns:NmTransaktionsTyp_CODE"/>                                                                                                                               |        |                                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                   |        |                                                                                      |

## Element tns:TX\_AFBLOG\_Type / tns:afbLogFahrgastTyp

|           |                           |  |  |
|-----------|---------------------------|--|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |  |  |
| Diagram   |                           |  |  |
| Type      | tns:Kundentyp_CODE_Type   |  |  |

|                 |                                                                                                                                                                                              |        |                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------|
| Type hierarchy  | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:Kudentyp_CODE_Type</li></ul></li></ul></li></ul> |        |                                    |
| Properties      | content:                                                                                                                                                                                     | simple |                                    |
| Facets          | maxInclusive                                                                                                                                                                                 | 255    |                                    |
|                 | minInclusive                                                                                                                                                                                 | 0      |                                    |
|                 | enumeration                                                                                                                                                                                  | 0      | nicht spezifiziert/unbestimmt      |
|                 | enumeration                                                                                                                                                                                  | 1      | Erwachsener                        |
|                 | enumeration                                                                                                                                                                                  | 2      | Kind                               |
|                 | enumeration                                                                                                                                                                                  | 3      | Student                            |
|                 | enumeration                                                                                                                                                                                  | 5      | Behinderter                        |
|                 | enumeration                                                                                                                                                                                  | 6      | Sehbehinderter                     |
|                 | enumeration                                                                                                                                                                                  | 7      | Hoergeschaedigter                  |
|                 | enumeration                                                                                                                                                                                  | 8      | Arbeitsloser/Sozialhilfeempfaenger |
|                 | enumeration                                                                                                                                                                                  | 9      | Personal                           |
|                 | enumeration                                                                                                                                                                                  | 10     | Militaeranhehoeriger               |
|                 | enumeration                                                                                                                                                                                  | 19     | Schueler                           |
|                 | enumeration                                                                                                                                                                                  | 20     | Azubi                              |
|                 | enumeration                                                                                                                                                                                  | 25     | Senior                             |
| Source          | <xs:element name="afbLogFahrgastTyp" type="tns:Kudentyp_CODE_Type"/>                                                                                                                         |        |                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                     |        |                                    |

## Element tns:TX\_AFBLOG\_Type / tns:afbLogVerkehrsmittelart

|                 |                                                                                                                                                                                                             |              |     |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                   |              |     |              |   |
| Diagram         |                                                                                                                                                                                                             |              |     |              |   |
| Type            | tns:Transportserviceart_CODE_Type                                                                                                                                                                           |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1 <ul style="list-style-type: none"> <li>tns:TransportTypeCode_Type</li> <li>tns:Transportserviceart_CODE_Type</li> </ul> </li> </ul> |              |     |              |   |
| Properties      | content: simple                                                                                                                                                                                             |              |     |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                      | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                                                                                                         |              |     |              |   |
| minInclusive    | 0                                                                                                                                                                                                           |              |     |              |   |
| Source          | <code>&lt;xs:element name="afbLogVerkehrsmittelart" type="tns:Transportserviceart_CODE_Type"/&gt;</code>                                                                                                    |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                    |              |     |              |   |

## Element tns:TX\_AFBLOG\_Type / tns:afbLogServiceKlasse

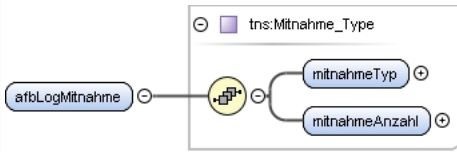
|                |                                                                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                         |
| Diagram        |                                                                                                                                                                   |
| Type           | tns:ServiceKlasse_CODE_Type                                                                                                                                       |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1 <ul style="list-style-type: none"> <li>tns:ServiceKlasse_CODE_Type</li> </ul> </li> </ul> |
| Properties     | content: simple                                                                                                                                                   |

|                 |                                                                                                                          |     |                               |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------|
| Facets          | maxInclusive                                                                                                             | 255 |                               |
|                 | minInclusive                                                                                                             | 0   |                               |
|                 | enumeration                                                                                                              | 0   | nicht spezifiziert/unbestimmt |
|                 | enumeration                                                                                                              | 1   | 1. Klasse                     |
|                 | enumeration                                                                                                              | 2   | 2. Klasse                     |
| Source          | <xs:element name="afbLogServiceKlasse" type="tns:ServiceKlasse_CODE_Type"/>                                              |     |                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |     |                               |

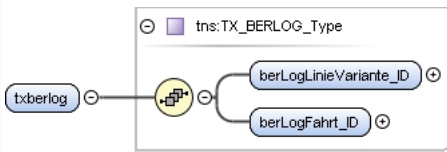
### Element tns:TX\_AFBLOG\_Type / tns:afbLogDynamischerRabattParameter

|                 |                                                                                                                          |        |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |        |  |
| Diagram         |                                         |        |  |
| Type            | tns:OctetString4                                                                                                         |        |  |
| Properties      | content:                                                                                                                 | simple |  |
| Facets          | length                                                                                                                   | 4      |  |
| Source          | <xs:element name="afbLogDynamischerRabattParameter" type="ct:OctetString4"/>                                             |        |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |        |  |

### Element tns:TX\_AFBLOG\_Type / tns:afbLogMitnahme

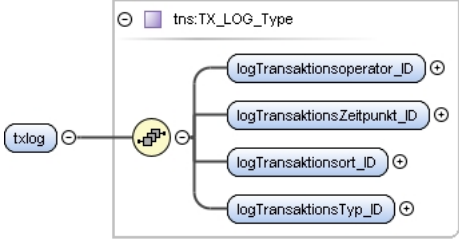
|                 |                                                                                                                                                                                                                             |          |         |            |   |            |           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------|---|------------|-----------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                   |          |         |            |   |            |           |
| Diagram         |                                                                                                                                          |          |         |            |   |            |           |
| Type            | tns:Mitnahme_Type                                                                                                                                                                                                           |          |         |            |   |            |           |
| Properties      | <table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>1</td></tr><tr><td>maxOccurs:</td><td>unbounded</td></tr></table>                                                                               | content: | complex | minOccurs: | 1 | maxOccurs: | unbounded |
| content:        | complex                                                                                                                                                                                                                     |          |         |            |   |            |           |
| minOccurs:      | 1                                                                                                                                                                                                                           |          |         |            |   |            |           |
| maxOccurs:      | unbounded                                                                                                                                                                                                                   |          |         |            |   |            |           |
| Model           | tns:mitnahmeTyp , tns:mitnahmeAnzahl                                                                                                                                                                                        |          |         |            |   |            |           |
| Children        | tns:mitnahmeAnzahl, tns:mitnahmeTyp                                                                                                                                                                                         |          |         |            |   |            |           |
| Instance        | <pre>&lt;tns:afbLogMitnahme xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:mitnahmeTyp&gt;{1,1}&lt;/tns:mitnahmeTyp&gt;   &lt;tns:mitnahmeAnzahl&gt;{1,1}&lt;/tns:mitnahmeAnzahl&gt; &lt;/tns:afbLogMitnahme&gt;</pre> |          |         |            |   |            |           |
| Source          | <pre>&lt;xs:element name="afbLogMitnahme" type="tns:Mitnahme_Type" minOccurs="1" maxOccurs="unbounded"/&gt;</pre>                                                                                                           |          |         |            |   |            |           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                    |          |         |            |   |            |           |

### Element tns:TX\_AFBLOG\_Type / tns:txberlog

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                           |
| Diagram    |  |
| Type       | tns:TX_BERLOG_Type                                                                  |
| Properties | content: complex                                                                    |
| Model      | tns:berLogLinieVariante_ID , tns:berLogFahrt_ID                                     |
| Children   | tns:berLogFahrt_ID, tns:berLogLinieVariante_ID                                      |

|                 |                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Instance        | <pre>&lt;tns:txberlog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:berLogLinieVariante_ID&gt;{1,1}&lt;/tns:berLogLinieVariante_ID&gt;   &lt;tns:berLogFahrt_ID&gt;{1,1}&lt;/tns:berLogFahrt_ID&gt; &lt;/tns:txberlog&gt;</pre> |
| Source          | <pre>&lt;xs:element name="txberlog" type="tns:TX_BERLOG_Type"/&gt;</pre>                                                                                                                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                              |

## Element tns:TX\_AFBLOG\_Type / tns:txlog

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Diagram         |  The diagram shows a tree structure for the tns:TX_LOG_Type. A root node 'txlog' (blue oval) is connected to a yellow circle containing a plus sign. This circle is connected to four blue rounded rectangles representing child elements: 'logTransaktionsoperator_ID', 'logTransaktionsZeitpunkt_ID', 'logTransaktionsort_ID', and 'logTransaktionsTyp_ID'. Each child element has a small circle with a plus sign next to it. |
| Type            | tns:TX_LOG_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model           | tns:logTransaktionsoperator_ID , tns:logTransaktionsZeitpunkt_ID , tns:logTransaktionsort_ID , tns:logTransaktionsTyp_ID                                                                                                                                                                                                                                                                                                                                                                                          |
| Children        | tns:logTransaktionsTyp_ID, tns:logTransaktionsZeitpunkt_ID, tns:logTransaktionsoperator_ID, tns:logTransaktionsort_ID                                                                                                                                                                                                                                                                                                                                                                                             |
| Instance        | <pre>&lt;tns:txlog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:logTransaktionsoperator_ID&gt;{1,1}&lt;/tns:logTransaktionsoperator_ID&gt;   &lt;tns:logTransaktionsZeitpunkt_ID&gt;{1,1}&lt;/tns:logTransaktionsZeitpunkt_ID&gt;   &lt;tns:logTransaktionsort_ID&gt;{1,1}&lt;/tns:logTransaktionsort_ID&gt;   &lt;tns:logTransaktionsTyp_ID&gt;{1,1}&lt;/tns:logTransaktionsTyp_ID&gt; &lt;/tns:txlog&gt;</pre>                                                                                           |
| Source          | <pre>&lt;xs:element name="txlog" type="tns:TX_LOG_Type"/&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                          |

## Element tns:TX\_EFSLOG\_Type / tns:efsFahrgastTyp

|                |                                                                                                                                                                                                     |        |                                    |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                           |        |                                    |
| Diagram        |                                                                                                                                                                                                     |        |                                    |
| Type           | tns:Kundentyp_CODE_Type                                                                                                                                                                             |        |                                    |
| Type hierarchy | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT1<ul style="list-style-type: none"><li>• tns:Kundentyp_CODE_Type</li></ul></li></ul></li></ul> |        |                                    |
| Properties     | content:                                                                                                                                                                                            | simple |                                    |
| Facets         | maxInclusive                                                                                                                                                                                        | 255    |                                    |
|                | minInclusive                                                                                                                                                                                        | 0      |                                    |
|                | enumeration                                                                                                                                                                                         | 0      | nicht spezifiziert/unbestimmt      |
|                | enumeration                                                                                                                                                                                         | 1      | Erwachsener                        |
|                | enumeration                                                                                                                                                                                         | 2      | Kind                               |
|                | enumeration                                                                                                                                                                                         | 3      | Student                            |
|                | enumeration                                                                                                                                                                                         | 5      | Behinderter                        |
|                | enumeration                                                                                                                                                                                         | 6      | Sehbehinderter                     |
|                | enumeration                                                                                                                                                                                         | 7      | Hoergeschaedigter                  |
|                | enumeration                                                                                                                                                                                         | 8      | Arbeitsloser/Sozialhilfeempfaenger |
|                | enumeration                                                                                                                                                                                         | 9      | Personal                           |
|                | enumeration                                                                                                                                                                                         | 10     | Militaeranhoeeriger                |
|                | enumeration                                                                                                                                                                                         | 19     | Schueler                           |

|                 |                                                                                                                          |    |        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|----|--------|
|                 | enumeration                                                                                                              | 20 | Azubi  |
|                 | enumeration                                                                                                              | 25 | Senior |
| Source          | <xs:element name="efsFahrgastTyp" type="tns:Kudentyp_CODE_Type"/>                                                        |    |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |    |        |

### Element tns:TX\_EFSLOG\_Type / tns:efsVerkehrsmittelKategorie

|                 |                                                                                                                                                                                                                                                                                                |        |  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                      |        |  |
| Diagram         |                                                                                                                                                                                                               |        |  |
| Type            | tns:TransportmittelKategorie_CODE_Type                                                                                                                                                                                                                                                         |        |  |
| Type hierarchy  | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT1<ul style="list-style-type: none"><li>• tns:TransportTypeCode_Type<ul style="list-style-type: none"><li>• tns:TransportmittelKategorie_CODE_Type</li></ul></li></ul></li></ul></li></ul> |        |  |
| Properties      | content:                                                                                                                                                                                                                                                                                       | simple |  |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                   | 255    |  |
|                 | minInclusive                                                                                                                                                                                                                                                                                   | 0      |  |
| Source          | <xs:element name="efsVerkehrsmittelKategorie" type="tns:TransportmittelKategorie_CODE_Type"/>                                                                                                                                                                                                  |        |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                       |        |  |

### Element tns:TX\_EFSLOG\_Type / tns:efsLogServiceKlasse

|                 |                                                                                                                                                                                                             |        |                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                   |        |                               |
| Diagram         |                                                                                                                                                                                                             |        |                               |
| Type            | tns:ServiceKlasse_CODE_Type                                                                                                                                                                                 |        |                               |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt <ul style="list-style-type: none"> <li>tns:INT1 <ul style="list-style-type: none"> <li>tns:ServiceKlasse_CODE_Type</li> </ul> </li> </ul> </li> </ul> |        |                               |
| Properties      | content:                                                                                                                                                                                                    | simple |                               |
| Facets          | maxInclusive                                                                                                                                                                                                | 255    |                               |
|                 | minInclusive                                                                                                                                                                                                | 0      |                               |
|                 | enumeration                                                                                                                                                                                                 | 0      | nicht spezifiziert/unbestimmt |
|                 | enumeration                                                                                                                                                                                                 | 1      | 1. Klasse                     |
|                 | enumeration                                                                                                                                                                                                 | 2      | 2. Klasse                     |
| Source          | <xs:element name="efsLogServiceKlasse" type="tns:ServiceKlasse_CODE_Type"/>                                                                                                                                 |        |                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                    |        |                               |

### Element tns:TX\_EFSLOG\_Type / tns:efsServiceKlasseExtra

|                |                                                                                                                                                                                                                  |        |  |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                        |        |  |
| Diagram        |                                                                                                                                                                                                                  |        |  |
| Type           | tns:ServiceKlasseExtra_CODE_Type                                                                                                                                                                                 |        |  |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt <ul style="list-style-type: none"> <li>tns:INT1 <ul style="list-style-type: none"> <li>tns:ServiceKlasseExtra_CODE_Type</li> </ul> </li> </ul> </li> </ul> |        |  |
| Properties     | content:                                                                                                                                                                                                         | simple |  |

|                 |                                                                                                                          |     |                               |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------|
| Facets          | maxInclusive                                                                                                             | 255 |                               |
|                 | minInclusive                                                                                                             | 0   |                               |
|                 | enumeration                                                                                                              | 0   | nicht spezifiziert/unbestimmt |
|                 | enumeration                                                                                                              | 1   | Fruehstueck                   |
|                 | enumeration                                                                                                              | 2   | Mittagessen                   |
|                 | enumeration                                                                                                              | 3   | Abendessen                    |
|                 | enumeration                                                                                                              | 4   | Buffet                        |
|                 | enumeration                                                                                                              | 5   | Imbiss                        |
| Source          | <xs:element name="efsServiceKlasseExtra" type="tns:ServiceKlasseExtra_CODE_Type"/>                                       |     |                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |     |                               |

## Element tns:TX\_EFSLOG\_Type / tns:efsStartort\_ID

|                 |                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                  |
| Diagram         | <pre>classDiagram     class tns_efsStartort_ID {         tns_Ort_ID_Type     }     class tns_Ort_ID_Type {         ortTyp         ortNummer         ortDomaene_ID     }     tns_efsStartort_ID --&gt; tns_Ort_ID_Type</pre>                |
| Type            | tns:Ort_ID_Type                                                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                           |
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                                                         |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                                                           |
| Instance        | <pre>&lt;tns:efsStartort_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;ortTyp&gt;{1,1}&lt;/ortTyp&gt;   &lt;ortNummer&gt;{1,1}&lt;/ortNummer&gt;   &lt;ortDomaene_ID&gt;{1,1}&lt;/ortDomaene_ID&gt; &lt;/tns:efsStartort_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="efsStartort_ID" type="ion:Ort_ID_Type"/&gt;</pre>                                                                                                                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                   |

## Element tns:TX\_EFSLOG\_Type / tns:efsZielort\_ID

|                 |                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                |
| Diagram         | <pre>classDiagram     class ion_Ort_ID_Type {         ortTyp         ortNummer         ortDomaene_ID     }     class efsZielort_ID {     }     efsZielort_ID -- ion_Ort_ID_Type</pre>                                                    |
| Type            | tns:Ort_ID_Type                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                         |
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                                                       |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:efsZielort_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;ortTyp&gt;{1,1}&lt;/ortTyp&gt;   &lt;ortNummer&gt;{1,1}&lt;/ortNummer&gt;   &lt;ortDomaene_ID&gt;{1,1}&lt;/ortDomaene_ID&gt; &lt;/tns:efsZielort_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="efsZielort_ID" type="ion:Ort_ID_Type"/&gt;</pre>                                                                                                                                                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                 |

## Element tns:TX\_EFSLOG\_Type / tns:efsViaOrte\_IDS

|                 |                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                        |
| Diagram         |                                                                                                                                                                  |
| Type            | tns:EFSViaOrtsListe_Type                                                                                                                                         |
| Properties      | content: complex                                                                                                                                                 |
| Model           | tns:efsViaort_ID{0,3}                                                                                                                                            |
| Children        | tns:efsViaort_ID                                                                                                                                                 |
| Instance        | <pre>&lt;tns:efsViaOrte_IDS xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:efsViaort_ID&gt;{0,3}&lt;/tns:efsViaort_ID&gt; &lt;/tns:efsViaOrte_IDS&gt;</pre> |
| Source          | <pre>&lt;xs:element name="efsViaOrte_IDS" type="tns:EFSViaOrtsListe_Type"/&gt;</pre>                                                                             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                         |

## Element tns:TX\_EFSLOG\_Type / tns:efsLogMitnahme

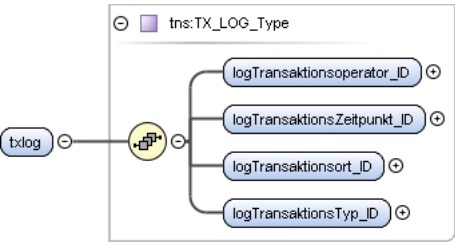
|                 |                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                                             |
| Type            | tns:Mitnahme_Type                                                                                                                                                                                                           |
| Properties      | content: complex<br>minOccurs: 1<br>maxOccurs: unbounded                                                                                                                                                                    |
| Model           | tns:mitnahmeTyp , tns:mitnahmeAnzahl                                                                                                                                                                                        |
| Children        | tns:mitnahmeAnzahl, tns:mitnahmeTyp                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:efsLogMitnahme xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:mitnahmeTyp&gt;{1,1}&lt;/tns:mitnahmeTyp&gt;   &lt;tns:mitnahmeAnzahl&gt;{1,1}&lt;/tns:mitnahmeAnzahl&gt; &lt;/tns:efsLogMitnahme&gt;</pre> |
| Source          | <pre>&lt;xs:element name="efsLogMitnahme" type="tns:Mitnahme_Type" minOccurs="1" maxOccurs="unbounded"/&gt;</pre>                                                                                                           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                    |

## Element tns:TX\_EFSLOG\_Type / tns:txberlog

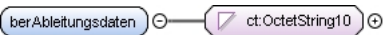
|            |                                                                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                             |
| Diagram    |                                                                                                                                                                                                                                       |
| Type       | tns:TX_BERLOG_Type                                                                                                                                                                                                                    |
| Properties | content: complex                                                                                                                                                                                                                      |
| Model      | tns:berLogLinieVariante_ID , tns:berLogFahrt_ID                                                                                                                                                                                       |
| Children   | tns:berLogFahrt_ID, tns:berLogLinieVariante_ID                                                                                                                                                                                        |
| Instance   | <pre>&lt;tns:txberlog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:berLogLinieVariante_ID&gt;{1,1}&lt;/tns:berLogLinieVariante_ID&gt;   &lt;tns:berLogFahrt_ID&gt;{1,1}&lt;/tns:berLogFahrt_ID&gt; &lt;/tns:txberlog&gt;</pre> |
| Source     | <pre>&lt;xs:element name="txberlog" type="tns:TX_BERLOG_Type"/&gt;</pre>                                                                                                                                                              |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|

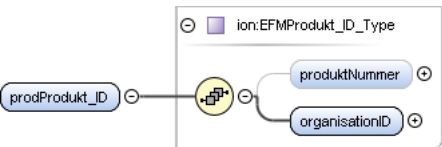
## Element tns:TX\_EFSLOG\_Type / tns:txlog

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Diagram         |  The diagram shows a tree structure for the tns:TX_LOG_Type element. The root is a box labeled 'txlog'. It has a single child, a yellow circle containing a plus sign, which then branches into four children: 'logTransaktionsoperator_ID', 'logTransaktionsZeitpunkt_ID', 'logTransaktionsort_ID', and 'logTransaktionsTyp_ID'. Each of these four children is represented by a blue rounded rectangle with a circle icon on its right side. |
| Type            | tns:TX_LOG_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Model           | tns:logTransaktionsoperator_ID , tns:logTransaktionsZeitpunkt_ID , tns:logTransaktionsort_ID , tns:logTransaktionsTyp_ID                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children        | tns:logTransaktionsTyp_ID, tns:logTransaktionsZeitpunkt_ID, tns:logTransaktionsoperator_ID, tns:logTransaktionsort_ID                                                                                                                                                                                                                                                                                                                                                                                                           |
| Instance        | <pre>&lt;tns:txlog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:logTransaktionsoperator_ID&gt;{1,1}&lt;/tns:logTransaktionsoperator_ID&gt;   &lt;tns:logTransaktionsZeitpunkt_ID&gt;{1,1}&lt;/tns:logTransaktionsZeitpunkt_ID&gt;   &lt;tns:logTransaktionsort_ID&gt;{1,1}&lt;/tns:logTransaktionsort_ID&gt;   &lt;tns:logTransaktionsTyp_ID&gt;{1,1}&lt;/tns:logTransaktionsTyp_ID&gt; &lt;/tns:txlog&gt;</pre>                                                                                                         |
| Source          | <pre>&lt;xs:element name="txlog" type="tns:TX_LOG_Type"/&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                        |

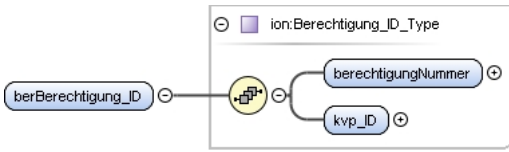
## Element tns:TX\_ABKEY\_Type / tns:berAbleitungsdaten

|                 |                                                                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                       |
| Diagram         |  The diagram shows a tree structure for the tns:berAbleitungsdaten element. The root is a blue rounded rectangle labeled 'berAbleitungsdaten'. It has a single child, a purple rounded rectangle labeled 'ct:OctetString10'. |
| Type            | tns:OctetString10                                                                                                                                                                                                                                                                                               |
| Properties      | content: simple                                                                                                                                                                                                                                                                                                 |
| Facets          | length 10                                                                                                                                                                                                                                                                                                       |
| Source          | <pre>&lt;xs:element name="berAbleitungsdaten" type="ct:OctetString10"/&gt;</pre>                                                                                                                                                                                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                        |

## Element tns:TXASBER\_Type / tns:prodProdukt\_ID

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Diagram         |  The diagram shows a tree structure for the tns:EFMPProdukt_ID_Type element. The root is a blue rounded rectangle labeled 'prodProdukt_ID'. It has a single child, a yellow circle containing a plus sign, which then branches into two children: 'produktNummer' and 'organisationID'. Each of these two children is represented by a blue rounded rectangle with a circle icon on its right side. |
| Type            | tns:EFMPProdukt_ID_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Model           | produktNummer{0,1} , organisationID                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children        | organisationID, produktNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Instance        | <pre>&lt;tns:prodProdukt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;produktNummer&gt;{0,1}&lt;/produktNummer&gt;   &lt;organisationID&gt;{1,1}&lt;/organisationID&gt; &lt;/tns:prodProdukt_ID&gt;</pre>                                                                                                                                                                                                                                                                        |
| Source          | <pre>&lt;xs:element name="prodProdukt_ID" type="ion:EFMPProdukt_ID_Type"/&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                               |

## Element tns:TXASBER\_Type / tns:berBerechtigung\_ID

|                 |                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                         |
| Diagram         |                                                                                                                                  |
| Type            | tns:Berechtigung_ID_Type                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                  |
| Model           | berechtigungNummer, kvp_ID                                                                                                                                                                                        |
| Children        | berechtigungNummer, kvp_ID                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:berBerechtigung_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berechtigungNummer&gt;{1,1}&lt;/berechtigungNummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/tns:berBerechtigung_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;</pre>                                                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                          |

## Element tns:TXASBER\_Type / tns:transSelektionKriterien

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Diagram         |                                         |
| Type            | tns:SelektionKriterien_Type                                                                                              |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:dateTime</li> <li>tns:DateTime</li> <li>tns:SelektionKriterien_Type</li> </ul> |
| Properties      | content: simple                                                                                                          |
| Source          | <pre>&lt;xs:element name="transSelektionKriterien" type="tns:SelektionKriterien_Type"/&gt;</pre>                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

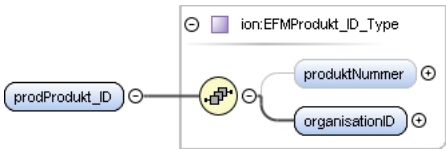
## Element tns:TXANLN\_Type / tns:prodAbrechnungsverfahren

|                 |                                                                                                                                                                                                          |        |              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                |        |              |
| Diagram         |                                                                                                                       |        |              |
| Type            | tns:Abrechnungsverfahren_CODE_Type                                                                                                                                                                       |        |              |
| Type hierarchy  | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:Abrechnungsverfahren_CODE_Type</li></ul></li></ul></li></ul> |        |              |
| Properties      | content:                                                                                                                                                                                                 | simple |              |
| Facets          | maxInclusive                                                                                                                                                                                             | 255    |              |
|                 | minInclusive                                                                                                                                                                                             | 0      |              |
|                 | enumeration                                                                                                                                                                                              | 0      | Keine Angabe |
|                 | enumeration                                                                                                                                                                                              | 1      | Pre-Paid     |
|                 | enumeration                                                                                                                                                                                              | 2      | Post-Paid    |
|                 | enumeration                                                                                                                                                                                              | 3      | Trip-Paid    |
| Source          | <xs:element name="prodAbrechnungsverfahren" type="ion:Abrechnungsverfahren_CODE_Type"/>                                                                                                                  |        |              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                 |        |              |

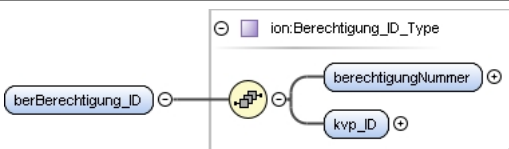
## Element tns:TXANLN\_Type / tns:berBezahlArt

|                 |                                                                                                                          |              |     |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |              |     |              |   |
| Diagram         |                                         |              |     |              |   |
| Type            | tns:Bezahlart_CODE_Type                                                                                                  |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Bezahlart_CODE_Type</li> </ul>      |              |     |              |   |
| Properties      | content: simple                                                                                                          |              |     |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                   | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                      |              |     |              |   |
| minInclusive    | 0                                                                                                                        |              |     |              |   |
| Source          | <code>&lt;xs:element name="berBezahlArt" type="ion:Bezahlart_CODE_Type"/&gt;</code>                                      |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |              |     |              |   |

## Element tns:TXANLN\_Type / tns:prodProdukt\_ID

|                 |                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                       |
| Diagram         |                                                                                                                               |
| Type            | tns:EFMProdukt_ID_Type                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                |
| Model           | produktNummer{0,1} , organisationID                                                                                                                                                                             |
| Children        | organisationID, produktNummer                                                                                                                                                                                   |
| Instance        | <pre>&lt;tns:prodProdukt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;produktNummer&gt;{0,1}&lt;/produktNummer&gt;   &lt;organisationID&gt;{1,1}&lt;/organisationID&gt; &lt;/tns:prodProdukt_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="prodProdukt_ID" type="ion:EFMProdukt_ID_Type"/&gt;</code>                                                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                        |

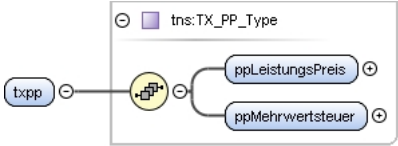
## Element tns:TXANLN\_Type / tns:berBerechtigung\_ID

|                 |                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                         |
| Diagram         |                                                                                                                                |
| Type            | tns:Berechtigung_ID_Type                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                  |
| Model           | berechtigungNummer , kvp_ID                                                                                                                                                                                       |
| Children        | berechtigungNummer, kvp_ID                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:berBerechtigung_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berechtigungNummer&gt;{1,1}&lt;/berechtigungNummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/tns:berBerechtigung_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;</code>                                                                                                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                          |

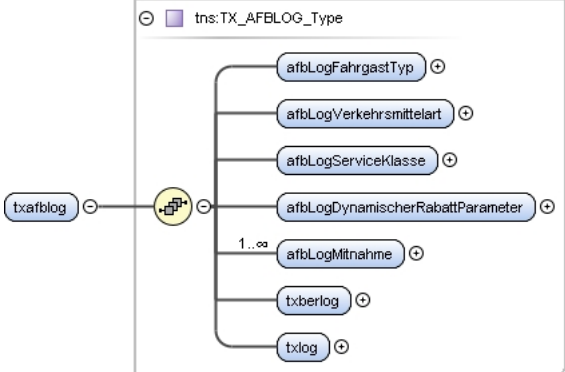
## Element tns:TXANLN\_Type / tns:transSelektionKriterien

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Diagram         |                                         |
| Type            | tns:SelektionKriterien_Type                                                                                              |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:dateTime</li> <li>tns:DateTime</li> <li>tns:SelektionKriterien_Type</li> </ul> |
| Properties      | content: simple                                                                                                          |
| Source          | <code>&lt;xs:element name="transSelektionKriterien" type="tns:SelektionKriterien_Type"/&gt;</code>                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Element tns:TXANLN\_Type / tns:txpp

|                 |                                                                                                                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                             |
| Diagram         |                                                                                                                                      |
| Type            | tns:TX_PP_Type                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                      |
| Model           | tns:ppLeistungsPreis, tns:ppMehrwertsteuer                                                                                                                                                                            |
| Children        | tns:ppLeistungsPreis, tns:ppMehrwertsteuer                                                                                                                                                                            |
| Instance        | <pre>&lt;tns:txpp xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:ppLeistungsPreis&gt;{1,1}&lt;/tns:ppLeistungsPreis&gt;   &lt;tns:ppMehrwertsteuer&gt;{1,1}&lt;/tns:ppMehrwertsteuer&gt; &lt;/tns:txpp&gt;</pre> |
| Source          | <code>&lt;xs:element name="txpp" type="tns:TX_PP_Type"/&gt;</code>                                                                                                                                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                              |

## Element tns:TXANLN\_Type / tns:txafblog

|            |                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                       |
| Diagram    |                                                                              |
| Type       | tns:TX_AFBLOG_Type                                                                                                                                              |
| Properties | content: complex<br>minOccurs: 1<br>maxOccurs: unbounded                                                                                                        |
| Model      | tns:afbLogFahrgastTyp, tns:afbLogVerkehrsmittelart, tns:afbLogServiceKlasse, tns:afbLogDynamischerRabattParameter, tns:afbLogMitnahme+, tns:txberlog, tns:txlog |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children        | tns:afbLogDynamischerRabattParameter, tns:afbLogFahrgastTyp, tns:afbLogMitnahme, tns:afbLogServiceKlasse, tns:afbLogVerkehrsmittelart, tns:txberlog, tns:txlog                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:txafblog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:afbLogFahrgastTyp&gt;{1,1}&lt;/tns:afbLogFahrgastTyp&gt;   &lt;tns:afbLogVerkehrsmittelart&gt;{1,1}&lt;/tns:afbLogVerkehrsmittelart&gt;   &lt;tns:afbLogServiceKlasse&gt;{1,1}&lt;/tns:afbLogServiceKlasse&gt;   &lt;tns:afbLogDynamischerRabattParameter&gt;{1,1}&lt;/tns:afbLogDynamischerRabattParameter&gt;   &lt;tns:afbLogMitnahme&gt;{1,unbounded}&lt;/tns:afbLogMitnahme&gt;   &lt;tns:txberlog&gt;{1,1}&lt;/tns:txberlog&gt;   &lt;tns:txlog&gt;{1,1}&lt;/tns:txlog&gt; &lt;/tns:txafblog&gt;</pre> |
| Source          | <code>&lt;xs:element name="txafblog" type="tns:TX_AFBLOG_Type" minOccurs="1" maxOccurs="unbounded"/&gt;</code>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Element tns:TXAUSEFS\_Type / tns:prodAbrechnungsverfahren

|                 |                                                                                                                                |        |              |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|--------|--------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                      |        |              |
| Diagram         |                                                                                                                                |        |              |
| Type            | tns:Abrechnungsverfahren_CODE_Type                                                                                             |        |              |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Abrechnungsverfahren_CODE_Type</li> </ul> |        |              |
| Properties      | content:                                                                                                                       | simple |              |
| Facets          | maxInclusive                                                                                                                   | 255    |              |
|                 | minInclusive                                                                                                                   | 0      |              |
|                 | enumeration                                                                                                                    | 0      | Keine Angabe |
|                 | enumeration                                                                                                                    | 1      | Pre-Paid     |
|                 | enumeration                                                                                                                    | 2      | Post-Paid    |
|                 | enumeration                                                                                                                    | 3      | Trip-Paid    |
| Source          | <code>&lt;xs:element name="prodAbrechnungsverfahren" type="ion:Abrechnungsverfahren_CODE_Type"/&gt;</code>                     |        |              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd       |        |              |

## Element tns:TXAUSEFS\_Type / tns:berBezahlMittel

|                 |                                                                                                                          |        |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |        |  |
| Diagram         |                                                                                                                          |        |  |
| Type            | tns:OctetString10                                                                                                        |        |  |
| Properties      | content:                                                                                                                 | simple |  |
| Facets          | length                                                                                                                   | 10     |  |
| Source          | <code>&lt;xs:element name="berBezahlMittel" type="ct:OctetString10"/&gt;</code>                                          |        |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |        |  |

## Element tns:TXAUSEFS\_Type / tns:berBezahlArt

|                |                                                                                                                     |        |  |
|----------------|---------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                           |        |  |
| Diagram        |                                                                                                                     |        |  |
| Type           | tns:Bezahlart_CODE_Type                                                                                             |        |  |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Bezahlart_CODE_Type</li> </ul> |        |  |
| Properties     | content:                                                                                                            | simple |  |

|                 |                                                                                                                          |     |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|-----|
| Facets          | maxInclusive                                                                                                             | 255 |
|                 | minInclusive                                                                                                             | 0   |
| Source          | <xs:element name="berBezahlArt" type="ion:BezahlArt_CODE_Type"/>                                                         |     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |     |

## Element tns:TXAUSEFS\_Type / tns:prodProdukt\_ID

|                 |                                                                                                                                                                                                                 |         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                       |         |
| Diagram         |                                                                                                                                                                                                                 |         |
| Type            | tns:EFMProdukt_ID_Type                                                                                                                                                                                          |         |
| Properties      | content:                                                                                                                                                                                                        | complex |
| Model           | produktNummer{0,1} , organisationID                                                                                                                                                                             |         |
| Children        | organisationID, produktNummer                                                                                                                                                                                   |         |
| Instance        | <pre>&lt;tns:prodProdukt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;produktNummer&gt;{0,1}&lt;/produktNummer&gt;   &lt;organisationID&gt;{1,1}&lt;/organisationID&gt; &lt;/tns:prodProdukt_ID&gt;</pre> |         |
| Source          | <xs:element name="prodProdukt_ID" type="ion:EFMProdukt_ID_Type"/>                                                                                                                                               |         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                        |         |

## Element tns:TXAUSEFS\_Type / tns:berBerechtigung\_ID

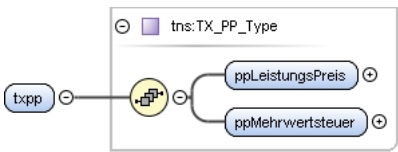
|                 |                                                                                                                                                                                                                   |         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                         |         |
| Diagram         |                                                                                                                                                                                                                   |         |
| Type            | tns:Berechtigung_ID_Type                                                                                                                                                                                          |         |
| Properties      | content:                                                                                                                                                                                                          | complex |
| Model           | berechtigungNummer , kvp_ID                                                                                                                                                                                       |         |
| Children        | berechtigungNummer, kvp_ID                                                                                                                                                                                        |         |
| Instance        | <pre>&lt;tns:berBerechtigung_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berechtigungNummer&gt;{1,1}&lt;/berechtigungNummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/tns:berBerechtigung_ID&gt;</pre> |         |
| Source          | <xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/>                                                                                                                                           |         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                          |         |

## Element tns:TXAUSEFS\_Type / tns:transSelektionKriterien

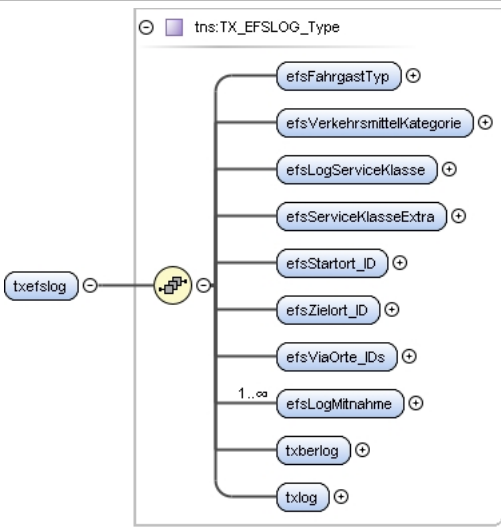
|                |                                                                                                                          |        |
|----------------|--------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                |        |
| Diagram        |                                                                                                                          |        |
| Type           | tns:SelektionKriterien_Type                                                                                              |        |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:dateTime</li> <li>tns:DateTime</li> <li>tns:SelektionKriterien_Type</li> </ul> |        |
| Properties     | content:                                                                                                                 | simple |
| Source         | <xs:element name="transSelektionKriterien" type="tns:SelektionKriterien_Type"/>                                          |        |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|

## Element tns:TXAUSEFS\_Type / tns:txpp

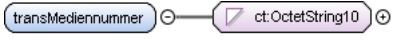
|                 |                                                                                                                                                                                                                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                     |
| Diagram         |  The diagram shows a tree structure for the tns:TX_PP_Type element. It has a root node 'txpp' which is connected to a container node. This container node has two child elements: 'ppLeistungsPreis' and 'ppMehrwertsteuer'. |
| Type            | tns:TX_PP_Type                                                                                                                                                                                                                                                                                                |
| Properties      | content: complex                                                                                                                                                                                                                                                                                              |
| Model           | tns:ppLeistungsPreis , tns:ppMehrwertsteuer                                                                                                                                                                                                                                                                   |
| Children        | tns:ppLeistungsPreis, tns:ppMehrwertsteuer                                                                                                                                                                                                                                                                    |
| Instance        | <pre>&lt;tns:txpp xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:ppLeistungsPreis&gt;{1,1}&lt;/tns:ppLeistungsPreis&gt;   &lt;tns:ppMehrwertsteuer&gt;{1,1}&lt;/tns:ppMehrwertsteuer&gt; &lt;/tns:txpp&gt;</pre>                                                                                         |
| Source          | <pre>&lt;xs:element name="txpp" type="tns:TX_PP_Type"/&gt;</pre>                                                                                                                                                                                                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                      |

## Element tns:TXAUSEFS\_Type / tns:txefslog

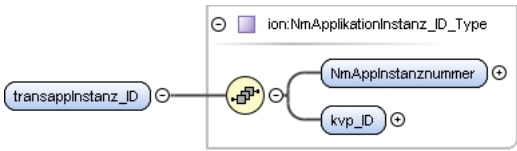
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Diagram    |  The diagram shows a tree structure for the tns:TX_EFSLOG_Type element. It has a root node 'txefslog' which is connected to a container node. This container node has several child elements: 'efsFahrgastTyp', 'efsVerkehrsmittelKategorie', 'efsLogServiceKlasse', 'efsServiceKlasseExtra', 'efsStartort_ID', 'efsZielort_ID', 'efsViaOrte_IDs', 'efsLogMitnahme' (with a cardinality of 1..∞), 'txberlog', and 'txlog'.                                                                                                                                                                         |
| Type       | tns:TX_EFSLOG_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Properties | content: complex<br>minOccurs: 1<br>maxOccurs: unbounded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Model      | tns:efsFahrgastTyp, tns:efsVerkehrsmittelKategorie, tns:efsLogServiceKlasse, tns:efsServiceKlasseExtra, tns:efsStartort_ID, tns:efsZielort_ID, tns:efsViaOrte_IDs, tns:efsLogMitnahme+, tns:txberlog, tns:txlog                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Children   | tns:efsFahrgastTyp, tns:efsLogMitnahme, tns:efsLogServiceKlasse, tns:efsServiceKlasseExtra, tns:efsStartort_ID, tns:efsVerkehrsmittelKategorie, tns:efsViaOrte_IDs, tns:efsZielort_ID, tns:txberlog, tns:txlog                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Instance   | <pre>&lt;tns:txefslog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:efsFahrgastTyp&gt;{1,1}&lt;/tns:efsFahrgastTyp&gt;   &lt;tns:efsVerkehrsmittelKategorie&gt;{1,1}&lt;/tns:efsVerkehrsmittelKategorie&gt;   &lt;tns:efsLogServiceKlasse&gt;{1,1}&lt;/tns:efsLogServiceKlasse&gt;   &lt;tns:efsServiceKlasseExtra&gt;{1,1}&lt;/tns:efsServiceKlasseExtra&gt;   &lt;tns:efsStartort_ID&gt;{1,1}&lt;/tns:efsStartort_ID&gt;   &lt;tns:efsZielort_ID&gt;{1,1}&lt;/tns:efsZielort_ID&gt;   &lt;tns:efsViaOrte_IDs&gt;{1,1}&lt;/tns:efsViaOrte_IDs&gt;   &lt;tns:efsLogMitnahme&gt;{1,unbounded}&lt;/tns:efsLogMitnahme&gt;   &lt;tns:txberlog&gt;{1,1}&lt;/tns:txberlog&gt;</pre> |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;tns:txlog&gt;{1,1}&lt;/tns:txlog&gt;<br/>&lt;/tns:txefslog&gt;</code>                                          |
| Source          | <code>&lt;xs:element name="txefslog" type="tns:TX_EFSL0G_Type" minOccurs="1" maxOccurs="unbounded"/&gt;</code>           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

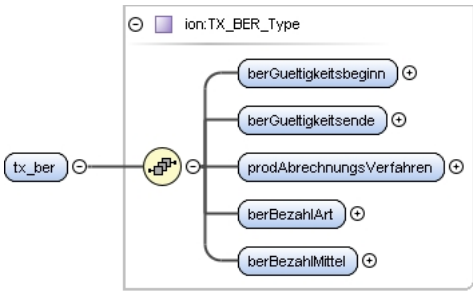
### Element tns:TXADM\_Type / tns:transMediennummer

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Diagram         |                                         |
| Type            | tns:OctetString10                                                                                                        |
| Properties      | content: simple                                                                                                          |
| Facets          | length 10                                                                                                                |
| Source          | <code>&lt;xs:element name="transMediennummer" type="ct:OctetString10"/&gt;</code>                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

### Element tns:TXADM\_Type / tns:transappInstanz\_ID

|                 |                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                       |
| Diagram         |                                                                                                                                               |
| Type            | tns:NmApplikationInstanz_ID_Type                                                                                                                                                                                                |
| Properties      | content: complex                                                                                                                                                                                                                |
| Model           | NmAppInstanznummer , kvp_ID                                                                                                                                                                                                     |
| Children        | NmAppInstanznummer, kvp_ID                                                                                                                                                                                                      |
| Instance        | <code>&lt;tns:transappInstanz_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;<br/>  &lt;NmAppInstanznummer&gt;{1,1}&lt;/NmAppInstanznummer&gt;<br/>  &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt;<br/>&lt;/tns:transappInstanz_ID&gt;</code> |
| Source          | <code>&lt;xs:element name="transappInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/&gt;</code>                                                                                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                        |

### Element tns:TXABER\_Type / tns:tx\_ber

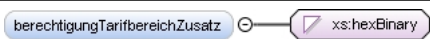
|            |                                                                                                                                                                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                    |
| Diagram    |                                                                                                                                                                                                           |
| Type       | tns:TX_BER_Type                                                                                                                                                                                                                                                                              |
| Properties | content: complex                                                                                                                                                                                                                                                                             |
| Model      | berGueltigkeitsbeginn , berGueltigkeitsende , prodAbrechnungsVerfahren , berBezahlArt , berBezahlMittel                                                                                                                                                                                      |
| Children   | berBezahlArt, berBezahlMittel, berGueltigkeitsbeginn, berGueltigkeitsende, prodAbrechnungsVerfahren                                                                                                                                                                                          |
| Instance   | <code>&lt;tns:tx_ber xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;<br/>  &lt;berGueltigkeitsbeginn&gt;{1,1}&lt;/berGueltigkeitsbeginn&gt;<br/>  &lt;berGueltigkeitsende&gt;{1,1}&lt;/berGueltigkeitsende&gt;<br/>  &lt;prodAbrechnungsVerfahren&gt;{1,1}&lt;/prodAbrechnungsVerfahren&gt;</code> |

|                 |                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&lt;berBezahlArt&gt;{1,1}&lt;/berBezahlArt&gt; &lt;berBezahlMittel&gt;{1,1}&lt;/berBezahlMittel&gt; &lt;/tns:tx_ber&gt;</pre> |
| Source          | <code>&lt;xs:element name="tx_ber" type="ion:TX_BER_Type"/&gt;</code>                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd           |

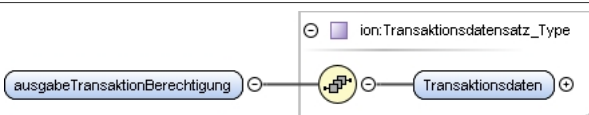
### Element tns:TXABER\_Type / tns:berechtigungTarifbereich

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Diagram         |                                         |
| Type            | xs:hexBinary                                                                                                             |
| Properties      | content: simple                                                                                                          |
| Source          | <code>&lt;xs:element name="berechtigungTarifbereich" type="xs:hexBinary"/&gt;</code>                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

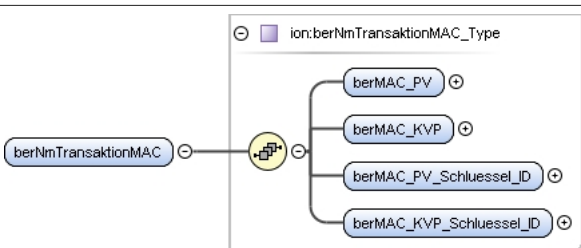
### Element tns:TXABER\_Type / tns:berechtigungTarifbereichZusatz

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Diagram         |                                         |
| Type            | xs:hexBinary                                                                                                             |
| Properties      | content: simple<br>minOccurs: 0                                                                                          |
| Source          | <code>&lt;xs:element name="berechtigungTarifbereichZusatz" type="xs:hexBinary" minOccurs="0"/&gt;</code>                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

### Element tns:TXABER\_Type / tns:ausgabeTransaktionBerechtigung

|                 |                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                          |
| Diagram         |                                                                                                                 |
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                                                                     |
| Properties      | content: complex                                                                                                                                                                                   |
| Model           | Transaktionsdaten                                                                                                                                                                                  |
| Children        | Transaktionsdaten                                                                                                                                                                                  |
| Instance        | <pre>&lt;tns:ausgabeTransaktionBerechtigung xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/tns:ausgabeTransaktionBerechtigung&gt;</pre> |
| Source          | <code>&lt;xs:element name="ausgabeTransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;</code>                                                                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                           |

### Element tns:TXABER\_Type / tns:berNmTransaktionMAC

|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2                                                           |
| Diagram   |  |

|                 |                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                      |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesel_ID , berMAC_KVP_Schluesel_ID                                                                                                                                                                                                                                                                             |
| Children        | berMAC_KVP, berMAC_KVP_Schluesel_ID, berMAC_PV, berMAC_PV_Schluesel_ID                                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt;   &lt;berMAC_PV_Schluesel_ID&gt;{1,1}&lt;/berMAC_PV_Schluesel_ID&gt;   &lt;berMAC_KVP_Schluesel_ID&gt;{1,1}&lt;/berMAC_KVP_Schluesel_ID&gt; &lt;/tns:berNmTransaktionMAC&gt;</pre> |
| Source          | <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/>                                                                                                                                                                                                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                              |

## Element tns:TXEBER\_Type / tns:fahrttransaktion

|                 |                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                              |
| Diagram         |                                                                                                                                                                        |
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                                         |
| Properties      | content: complex                                                                                                                                                       |
| Model           | Transaktionsdaten                                                                                                                                                      |
| Children        | Transaktionsdaten                                                                                                                                                      |
| Instance        | <pre>&lt;tns:fahrttransaktion xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/tns:fahrttransaktion&gt;</pre> |
| Source          | <xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type"/>                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                               |

## Element tns:TXEBER\_Type / tns:berNmTransaktionMAC

|                 |                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                       |
| Type            | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                      |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesel_ID , berMAC_KVP_Schluesel_ID                                                                                                                                                                                                                                                                             |
| Children        | berMAC_KVP, berMAC_KVP_Schluesel_ID, berMAC_PV, berMAC_PV_Schluesel_ID                                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt;   &lt;berMAC_PV_Schluesel_ID&gt;{1,1}&lt;/berMAC_PV_Schluesel_ID&gt;   &lt;berMAC_KVP_Schluesel_ID&gt;{1,1}&lt;/berMAC_KVP_Schluesel_ID&gt; &lt;/tns:berNmTransaktionMAC&gt;</pre> |
| Source          | <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/>                                                                                                                                                                                                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                              |

## Element tns:TXAEBER\_Type / tns:tx\_ber

|           |                           |
|-----------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
|-----------|---------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Type            | tns:TX_BER_Type                                                                                                                                                                                                                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                           |
| Model           | berGueltigkeitsbeginn , berGueltigkeitsende , prodAbrechnungsVerfahren , berBezahlArt , berBezahlMittel                                                                                                                                                                                                                                                                                                    |
| Children        | berBezahlArt, berBezahlMittel, berGueltigkeitsbeginn, berGueltigkeitsende, prodAbrechnungsVerfahren                                                                                                                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:tx_ber xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berGueltigkeitsbeginn&gt;{1,1}&lt;/berGueltigkeitsbeginn&gt;   &lt;berGueltigkeitsende&gt;{1,1}&lt;/berGueltigkeitsende&gt;   &lt;prodAbrechnungsVerfahren&gt;{1,1}&lt;/prodAbrechnungsVerfahren&gt;   &lt;berBezahlArt&gt;{1,1}&lt;/berBezahlArt&gt;   &lt;berBezahlMittel&gt;{1,1}&lt;/berBezahlMittel&gt; &lt;/tns:tx_ber&gt;</pre> |
| Source          | <xs:element name="tx_ber" type="ion:TX_BER_Type"/>                                                                                                                                                                                                                                                                                                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                   |

## Element tns:TXAEBER\_Type / tns:berechtigungTarifbereich

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Diagram         |                                                                                                                          |
| Type            | xs:hexBinary                                                                                                             |
| Properties      | content: simple                                                                                                          |
| Source          | <xs:element name="berechtigungTarifbereich" type="xs:hexBinary"/>                                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Element tns:TXAENBER\_Type / tns:fahrttransaktion

|                 |                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                              |
| Diagram         |                                                                                                                                                                        |
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                                         |
| Properties      | content: complex                                                                                                                                                       |
| Model           | Transaktionsdaten                                                                                                                                                      |
| Children        | Transaktionsdaten                                                                                                                                                      |
| Instance        | <pre>&lt;tns:fahrttransaktion xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/tns:fahrttransaktion&gt;</pre> |
| Source          | <xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type"/>                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                               |

## Element tns:TXAENBER\_Type / tns:berNmTransaktionMAC

|           |                           |
|-----------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
|-----------|---------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                       |
| Type            | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                      |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesel_ID , berMAC_KVP_Schluesel_ID                                                                                                                                                                                                                                                                             |
| Children        | berMAC_KVP, berMAC_KVP_Schluesel_ID, berMAC_PV, berMAC_PV_Schluesel_ID                                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt;   &lt;berMAC_PV_Schluesel_ID&gt;{1,1}&lt;/berMAC_PV_Schluesel_ID&gt;   &lt;berMAC_KVP_Schluesel_ID&gt;{1,1}&lt;/berMAC_KVP_Schluesel_ID&gt; &lt;/tns:berNmTransaktionMAC&gt;</pre> |
| Source          | <code>&lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;</code>                                                                                                                                                                                                                                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                              |

## Element tns:TXRBER\_Type / tns:ruecknahmeTransaktionBerechtigung

|                 |                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                          |
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                                                                           |
| Properties      | content: complex                                                                                                                                                                                         |
| Model           | Transaktionsdaten                                                                                                                                                                                        |
| Children        | Transaktionsdaten                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:ruecknahmeTransaktionBerechtigung xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/tns:ruecknahmeTransaktionBerechtigung&gt;</pre> |
| Source          | <code>&lt;xs:element name="ruecknahmeTransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;</code>                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                 |

## Element tns:TXRBER\_Type / tns:berNmTransaktionMAC

|            |                                                                                                                                                                                                           |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                 |
| Diagram    |                                                                                                                                                                                                           |
| Type       | tns:berNmTransaktionMAC_Type                                                                                                                                                                              |
| Properties | content: complex                                                                                                                                                                                          |
| Model      | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesel_ID , berMAC_KVP_Schluesel_ID                                                                                                                                 |
| Children   | berMAC_KVP, berMAC_KVP_Schluesel_ID, berMAC_PV, berMAC_PV_Schluesel_ID                                                                                                                                    |
| Instance   | <pre>&lt;tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt; &lt;/tns:berNmTransaktionMAC&gt;</pre> |

|                 |                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&lt;berMAC_PV_SchluesseID&gt;{1,1}&lt;/berMAC_PV_SchluesseID&gt; &lt;berMAC_KVP_SchluesseID&gt;{1,1}&lt;/berMAC_KVP_SchluesseID&gt; &lt;/tns:berNmTransaktionMAC&gt;</pre> |
| Source          | <code>&lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;</code>                                                                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                        |

### Element tns:TXAMBER\_Type / tns:tx\_abkey

|                 |                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                        |
| Diagram         |                                                                                                                                                                  |
| Type            | tns:TX_ABKEY_Type                                                                                                                                                |
| Properties      | content: complex                                                                                                                                                 |
| Model           | tns:berAbleitungsdaten                                                                                                                                           |
| Children        | tns:berAbleitungsdaten                                                                                                                                           |
| Instance        | <pre>&lt;tns:tx_abkey xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:berAbleitungsdaten&gt;{1,1}&lt;/tns:berAbleitungsdaten&gt; &lt;/tns:tx_abkey&gt;</pre> |
| Source          | <code>&lt;xs:element name="tx_abkey" type="tns:TX_ABKEY_Type"/&gt;</code>                                                                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                         |

### Element tns:TXEMBER\_Type / tns:tx\_abkey

|                 |                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                        |
| Diagram         |                                                                                                                                                                  |
| Type            | tns:TX_ABKEY_Type                                                                                                                                                |
| Properties      | content: complex                                                                                                                                                 |
| Model           | tns:berAbleitungsdaten                                                                                                                                           |
| Children        | tns:berAbleitungsdaten                                                                                                                                           |
| Instance        | <pre>&lt;tns:tx_abkey xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:berAbleitungsdaten&gt;{1,1}&lt;/tns:berAbleitungsdaten&gt; &lt;/tns:tx_abkey&gt;</pre> |
| Source          | <code>&lt;xs:element name="tx_abkey" type="tns:TX_ABKEY_Type"/&gt;</code>                                                                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                         |

### Element tns:TXRMBER\_Type / tns:tx\_abkey

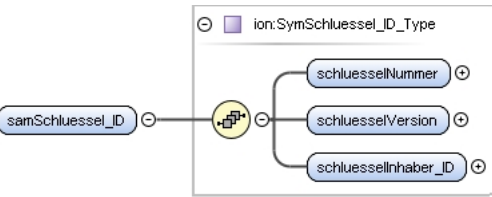
|            |                                                                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                        |
| Diagram    |                                                                                                                                                                  |
| Type       | tns:TX_ABKEY_Type                                                                                                                                                |
| Properties | content: complex                                                                                                                                                 |
| Model      | tns:berAbleitungsdaten                                                                                                                                           |
| Children   | tns:berAbleitungsdaten                                                                                                                                           |
| Instance   | <pre>&lt;tns:tx_abkey xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:berAbleitungsdaten&gt;{1,1}&lt;/tns:berAbleitungsdaten&gt; &lt;/tns:tx_abkey&gt;</pre> |
| Source     | <code>&lt;xs:element name="tx_abkey" type="tns:TX_ABKEY_Type"/&gt;</code>                                                                                        |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|

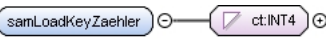
## Element tns:TXASKON\_Type / tns:samSAM\_ID

|                 |                                                                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                            |
| Type            | tns:SAM_ID_Type                                                                                                                                                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt <ul style="list-style-type: none"> <li>tns:INT3 <ul style="list-style-type: none"> <li>tns:ReferenceNumberThree <ul style="list-style-type: none"> <li>tns:SAM_ID_Type</li> </ul> </li> </ul> </li> </ul> </li> </ul> |
| Properties      | content: simple                                                                                                                                                                                                                                                             |
| Facets          | maxInclusive 16777215<br>minInclusive 0                                                                                                                                                                                                                                     |
| Source          | <code>&lt;xs:element name="samSAM_ID" type="ion:SAM_ID_Type"/&gt;</code>                                                                                                                                                                                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                    |

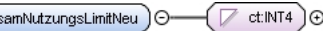
## Element tns:TXASKON\_Type / tns:samSchluessel\_ID

|                 |                                                                                                                                                                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                               |
| Type            | tns:SymSchluessel_ID_Type                                                                                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                                 |
| Model           | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                                                                      |
| Children        | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:samSchluessel_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;schluesselNummer&gt;{1,1}&lt;/schluesselNummer&gt;   &lt;schluesselVersion&gt;{1,1}&lt;/schluesselVersion&gt;   &lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/tns:samSchluessel_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="samSchluessel_ID" type="ion:SymSchluessel_ID_Type"/&gt;</code>                                                                                                                                                                                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                         |

## Element tns:TXASKON\_Type / tns:samLoadKeyZaehler

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Diagram         |                                       |
| Type            | tns:INT4                                                                                                                 |
| Properties      | content: simple                                                                                                          |
| Facets          | maxInclusive 4294967295<br>minInclusive 0                                                                                |
| Source          | <code>&lt;xs:element name="samLoadKeyZaehler" type="ct:INT4"/&gt;</code>                                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Element tns:TXASKON\_Type / tns:samNutzungsLimitNeu

|                 |                                                                                                                          |            |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|------------|--|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |            |  |
| Diagram         |                                         |            |  |
| Type            | tns:INT4                                                                                                                 |            |  |
| Properties      | content:                                                                                                                 | simple     |  |
| Facets          | maxInclusive                                                                                                             | 4294967295 |  |
|                 | minInclusive                                                                                                             | 0          |  |
| Source          | <xs:element name="samNutzungsLimitNeu" type="ct:INT4"/>                                                                  |            |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |            |  |

## Element tns:TXUEBERKON\_Type / tns:samSAM\_ID

|                 |                                                                                                                                                                                                                                                                       |          |  |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                             |          |  |
| Diagram         |                                                                                                                                                                                      |          |  |
| Type            | tns:SAM_ID_Type                                                                                                                                                                                                                                                       |          |  |
| Type hierarchy  | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT3<ul style="list-style-type: none"><li>• tns:ReferenceNumberThree<ul style="list-style-type: none"><li>• tns:SAM_ID_Type</li></ul></li></ul></li></ul></li></ul> |          |  |
| Properties      | content:                                                                                                                                                                                                                                                              | simple   |  |
| Facets          | maxInclusive                                                                                                                                                                                                                                                          | 16777215 |  |
|                 | minInclusive                                                                                                                                                                                                                                                          | 0        |  |
| Source          | <xs:element name="samSAM_ID" type="ion:SAM_ID_Type"/>                                                                                                                                                                                                                 |          |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                              |          |  |

## Element tns:TXUEBERKON\_Type / tns:samSchluessel\_ID

|                 |                                                                                                                                                                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                                                                                                                  |
| Type            | tns:SymSchluessel_ID_Type                                                                                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                                 |
| Model           | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                                                                      |
| Children        | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:samSchluessel_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;schluesselNummer&gt;{1,1}&lt;/schluesselNummer&gt;   &lt;schluesselVersion&gt;{1,1}&lt;/schluesselVersion&gt;   &lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/tns:samSchluessel_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="samSchluessel_ID" type="ion:SymSchluessel_ID_Type"/&gt;</pre>                                                                                                                                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                         |

## Element tns:TXUEBERKON\_Type / tns:samLoadKeyZaehler

|           |                           |  |  |
|-----------|---------------------------|--|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |  |  |
|-----------|---------------------------|--|--|

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                          |
| Type            | tns:INT4                                                                                                                 |
| Properties      | content: simple                                                                                                          |
| Facets          | maxInclusive 4294967295<br>minInclusive 0                                                                                |
| Source          | <code>&lt;xs:element name="samLoadKeyZaehler" type="ct:INT4"/&gt;</code>                                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

### Element tns:TXUEBERKON\_Type / tns:samNutzungsLimitGen

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |
| Diagram         |                                                                                                                          |
| Type            | tns:INT4                                                                                                                 |
| Properties      | content: simple                                                                                                          |
| Facets          | maxInclusive 4294967295<br>minInclusive 0                                                                                |
| Source          | <code>&lt;xs:element name="samNutzungsLimitGen" type="ct:INT4"/&gt;</code>                                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

### Element tns:TXBEKODL\_Type / tns:berBerechtigung\_ID

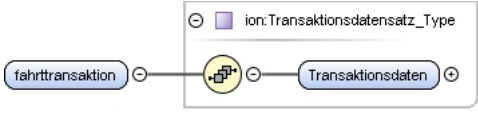
|                 |                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                     |
| Type            | tns:Berechtigung_ID_Type                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                    |
| Model           | berechtigungNummer, kvp_ID                                                                                                                                                                                          |
| Children        | berechtigungNummer, kvp_ID                                                                                                                                                                                          |
| Instance        | <pre>&lt;tns:berBerechtigung_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berechtigungNummer&gt;{1,1}&lt;/berechtigigungNummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/tns:berBerechtigung_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;</code>                                                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                            |

### Element tns:TXBEKODL\_Type / tns:txpp

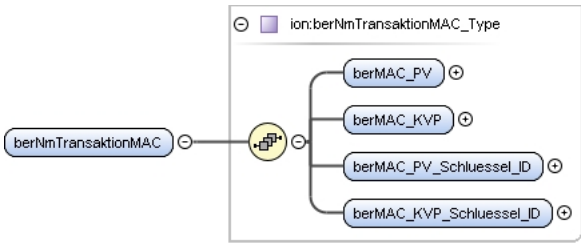
|            |                                            |
|------------|--------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                  |
| Diagram    |                                            |
| Type       | tns:TX_PP_Type                             |
| Properties | content: complex                           |
| Model      | tns:ppLeistungsPreis, tns:ppMehrwertsteuer |
| Children   | tns:ppLeistungsPreis, tns:ppMehrwertsteuer |

|                 |                                                                                                                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Instance        | <pre>&lt;tns:txpp xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:ppLeistungsPreis&gt;{1,1}&lt;/tns:ppLeistungsPreis&gt;   &lt;tns:ppMehrwertsteuer&gt;{1,1}&lt;/tns:ppMehrwertsteuer&gt; &lt;/tns:txpp&gt;</pre> |
| Source          | <pre>&lt;xs:element name="txpp" type="tns:TX_PP_Type"/&gt;</pre>                                                                                                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                              |

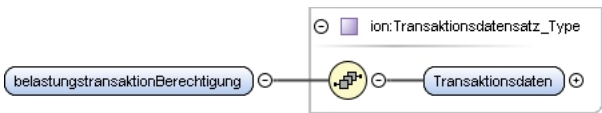
## Element tns:TXBEKODL\_Type / tns:fahrttransaktion

|                 |                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                              |
| Diagram         |                                                                                       |
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                                         |
| Properties      | content: complex<br>maxOccurs: unbounded                                                                                                                               |
| Model           | Transaktionsdaten                                                                                                                                                      |
| Children        | Transaktionsdaten                                                                                                                                                      |
| Instance        | <pre>&lt;tns:fahrttransaktion xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/tns:fahrttransaktion&gt;</pre> |
| Source          | <pre>&lt;xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type" maxOccurs="unbounded"/&gt;</pre>                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                               |

## Element tns:TXBEKODL\_Type / tns:berNmTransaktionMAC

|                 |                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                    |
| Type            | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                      |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesel_ID , berMAC_KVP_Schluesel_ID                                                                                                                                                                                                                                                                             |
| Children        | berMAC_KVP, berMAC_KVP_Schluesel_ID, berMAC_PV, berMAC_PV_Schluesel_ID                                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt;   &lt;berMAC_PV_Schluesel_ID&gt;{1,1}&lt;/berMAC_PV_Schluesel_ID&gt;   &lt;berMAC_KVP_Schluesel_ID&gt;{1,1}&lt;/berMAC_KVP_Schluesel_ID&gt; &lt;/tns:berNmTransaktionMAC&gt;</pre> |
| Source          | <pre>&lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;</pre>                                                                                                                                                                                                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                              |

## Element tns:TXBEWEBK0KVP\_Type / tns:belastungstransaktionBerechtigung

|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2                                                           |
| Diagram   |  |

|                 |                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                                                                           |
| Properties      | content: complex                                                                                                                                                                                         |
| Model           | Transaktionsdaten                                                                                                                                                                                        |
| Children        | Transaktionsdaten                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:belastungstransaktionBerechtigung xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/tns:belastungstransaktionBerechtigung&gt;</pre> |
| Source          | <pre>&lt;xs:element name="belastungstransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;</pre>                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                 |

## Element tns:TXBEWEBK0KVP\_Type / tns:berNmTransaktionMAC

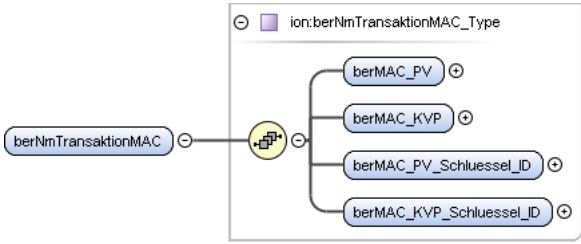
|                 |                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                       |
| Type            | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                      |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesel_ID , berMAC_KVP_Schluesel_ID                                                                                                                                                                                                                                                                             |
| Children        | berMAC_KVP, berMAC_KVP_Schluesel_ID, berMAC_PV, berMAC_PV_Schluesel_ID                                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt;   &lt;berMAC_PV_Schluesel_ID&gt;{1,1}&lt;/berMAC_PV_Schluesel_ID&gt;   &lt;berMAC_KVP_Schluesel_ID&gt;{1,1}&lt;/berMAC_KVP_Schluesel_ID&gt; &lt;/tns:berNmTransaktionMAC&gt;</pre> |
| Source          | <pre>&lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;</pre>                                                                                                                                                                                                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                              |

## Element tns:TXGK0\_Type / tns:belastungstransaktionBerechtigung

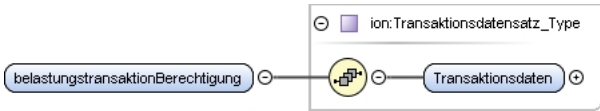
|                 |                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                          |
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                                                                           |
| Properties      | content: complex                                                                                                                                                                                         |
| Model           | Transaktionsdaten                                                                                                                                                                                        |
| Children        | Transaktionsdaten                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:belastungstransaktionBerechtigung xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/tns:belastungstransaktionBerechtigung&gt;</pre> |
| Source          | <pre>&lt;xs:element name="belastungstransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;</pre>                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                 |

## Element tns:TXGK0\_Type / tns:berNmTransaktionMAC

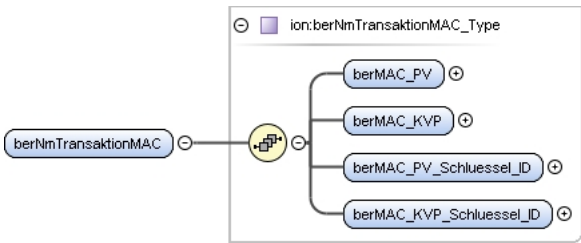
|           |                           |
|-----------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
|-----------|---------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                      |
| Type            | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                      |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesel_ID , berMAC_KVP_Schluesel_ID                                                                                                                                                                                                                                                                             |
| Children        | berMAC_KVP, berMAC_KVP_Schluesel_ID, berMAC_PV, berMAC_PV_Schluesel_ID                                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt;   &lt;berMAC_PV_Schluesel_ID&gt;{1,1}&lt;/berMAC_PV_Schluesel_ID&gt;   &lt;berMAC_KVP_Schluesel_ID&gt;{1,1}&lt;/berMAC_KVP_Schluesel_ID&gt; &lt;/tns:berNmTransaktionMAC&gt;</pre> |
| Source          | <pre>&lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;</pre>                                                                                                                                                                                                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                              |

### Element tns:TXGWEB\_Type / tns:belastungstransaktionBerechtigung

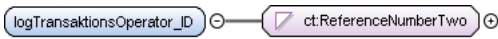
|                 |                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                |
| Diagram         |                                                                                                                        |
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                                                                           |
| Properties      | content: complex                                                                                                                                                                                         |
| Model           | Transaktionsdaten                                                                                                                                                                                        |
| Children        | Transaktionsdaten                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:belastungstransaktionBerechtigung xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/tns:belastungstransaktionBerechtigung&gt;</pre> |
| Source          | <pre>&lt;xs:element name="belastungstransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;</pre>                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                 |

### Element tns:TXGWEB\_Type / tns:berNmTransaktionMAC

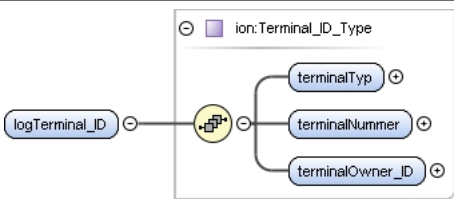
|            |                                                                                                                                                                                                                                               |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                     |
| Diagram    |                                                                                                                                                            |
| Type       | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                  |
| Properties | content: complex                                                                                                                                                                                                                              |
| Model      | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesel_ID , berMAC_KVP_Schluesel_ID                                                                                                                                                                     |
| Children   | berMAC_KVP, berMAC_KVP_Schluesel_ID, berMAC_PV, berMAC_PV_Schluesel_ID                                                                                                                                                                        |
| Instance   | <pre>&lt;tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt;   &lt;berMAC_PV_Schluesel_ID&gt;{1,1}&lt;/berMAC_PV_Schluesel_ID&gt;</pre> |

|                 |                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;berMAC_KVP_Schluesssel_ID&gt;{1,1}&lt;/berMAC_KVP_Schluesssel_ID&gt;<br/>&lt;/tns:berNmTransaktionMAC&gt;</code> |
| Source          | <code>&lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;</code>                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd   |

## Element tns:TXKNAWA\_Type / tns:logTransaktionsOperator\_ID

|                 |                                                                                                                          |              |       |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |              |       |              |   |
| Diagram         |                                         |              |       |              |   |
| Type            | tns:ReferenceNumberTwo                                                                                                   |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> </ul>       |              |       |              |   |
| Properties      | content: simple                                                                                                          |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                 | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                    |              |       |              |   |
| minInclusive    | 0                                                                                                                        |              |       |              |   |
| Source          | <code>&lt;xs:element name="logTransaktionsOperator_ID" type="ct:ReferenceNumberTwo"/&gt;</code>                          |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |              |       |              |   |

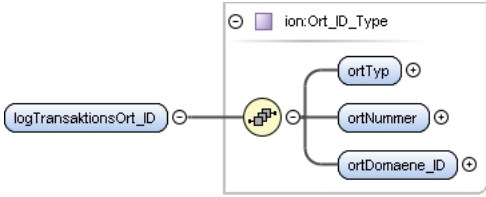
## Element tns:TXKNAWA\_Type / tns:logTerminal\_ID

|                 |                                                                                                                                                                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                              |
| Diagram         |                                                                                                                                                                                                     |
| Type            | tns:Terminal_ID_Type                                                                                                                                                                                                                                                                   |
| Properties      | content: complex                                                                                                                                                                                                                                                                       |
| Model           | terminalTyp , terminalNummer , terminalOwner_ID                                                                                                                                                                                                                                        |
| Children        | terminalNummer, terminalOwner_ID, terminalTyp                                                                                                                                                                                                                                          |
| Instance        | <code>&lt;tns:logTerminal_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;<br/>  &lt;terminalTyp&gt;{1,1}&lt;/terminalTyp&gt;<br/>  &lt;terminalNummer&gt;{1,1}&lt;/terminalNummer&gt;<br/>  &lt;terminalOwner_ID&gt;{1,1}&lt;/terminalOwner_ID&gt;<br/>&lt;/tns:logTerminal_ID&gt;</code> |
| Source          | <code>&lt;xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type"/&gt;</code>                                                                                                                                                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                               |

## Element tns:TXKNAWA\_Type / tns:logTransaktionsZeitpunkt

|                 |                                                                                                                                          |              |                     |              |                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|--------------|---------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                |              |                     |              |                     |
| Diagram         |                                                       |              |                     |              |                     |
| Type            | tns:DateTimeCompact                                                                                                                      |              |                     |              |                     |
| Properties      | content: simple                                                                                                                          |              |                     |              |                     |
| Facets          | <table> <tr> <td>maxInclusive</td><td>2117-12-31T23:59:58</td></tr> <tr> <td>minInclusive</td><td>1990-01-01T00:00:00</td></tr> </table> | maxInclusive | 2117-12-31T23:59:58 | minInclusive | 1990-01-01T00:00:00 |
| maxInclusive    | 2117-12-31T23:59:58                                                                                                                      |              |                     |              |                     |
| minInclusive    | 1990-01-01T00:00:00                                                                                                                      |              |                     |              |                     |
| Source          | <code>&lt;xs:element name="logTransaktionsZeitpunkt" type="ct:DateTimeCompact"/&gt;</code>                                               |              |                     |              |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                 |              |                     |              |                     |

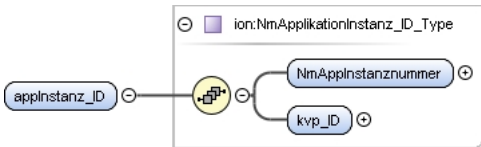
## Element tns:TXKNAWA\_Type / tns:logTransaktionsOrt\_ID

|                 |                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                         |
| Type            | tns:Ort_ID_Type                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                         |
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                                                                       |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:logTransaktionsOrt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;ortTyp&gt;{1,1}&lt;/ortTyp&gt;   &lt;ortNummer&gt;{1,1}&lt;/ortNummer&gt;   &lt;ortDomaene_ID&gt;{1,1}&lt;/ortDomaene_ID&gt; &lt;/tns:logTransaktionsOrt_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="logTransaktionsOrt_ID" type="ion:Ort_ID_Type"/&gt;</pre>                                                                                                                                                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                 |

## Element tns:TXKNAWA\_Type / tns:logValidationCode

|                 |                                                                                                                          |              |     |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |              |     |              |   |
| Diagram         |                                       |              |     |              |   |
| Type            | tns:Validation_CODE_Type                                                                                                 |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Validation_CODE_Type</li> </ul>     |              |     |              |   |
| Properties      | content: simple                                                                                                          |              |     |              |   |
| Facets          | <table border="1"> <tr> <td>maxInclusive</td> <td>255</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>    | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                      |              |     |              |   |
| minInclusive    | 0                                                                                                                        |              |     |              |   |
| Source          | <pre>&lt;xs:element name="logValidationCode" type="tns:Validation_CODE_Type"/&gt;</pre>                                  |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |              |     |              |   |

## Element tns:TXKNAWA\_Type / tns:appInstanz\_ID

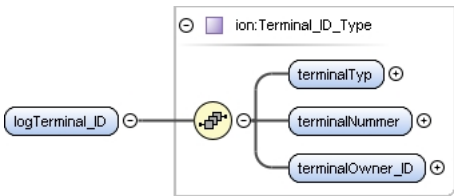
|            |                                                                                                                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                               |
| Diagram    |                                                                                                                      |
| Type       | tns:NmApplikationInstanz_ID_Type                                                                                                                                                                        |
| Properties | content: complex                                                                                                                                                                                        |
| Model      | NmAppInstanznummer , kvp_ID                                                                                                                                                                             |
| Children   | NmAppInstanznummer, kvp_ID                                                                                                                                                                              |
| Instance   | <pre>&lt;tns:appInstanz_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;NmAppInstanznummer&gt;{1,1}&lt;/NmAppInstanznummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/tns:appInstanz_ID&gt;</pre> |
| Source     | <pre>&lt;xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/&gt;</pre>                                                                                                             |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|

## Element tns:TXKNAWB\_Type / tns:logTransaktionsOperator\_ID

|                 |                                                                                                                          |              |       |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |              |       |              |   |
| Diagram         |                                         |              |       |              |   |
| Type            | tns:ReferenceNumberTwo                                                                                                   |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> </ul>       |              |       |              |   |
| Properties      | content: simple                                                                                                          |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                 | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                    |              |       |              |   |
| minInclusive    | 0                                                                                                                        |              |       |              |   |
| Source          | <code>&lt;xs:element name="logTransaktionsOperator_ID" type="ct:ReferenceNumberTwo"/&gt;</code>                          |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |              |       |              |   |

## Element tns:TXKNAWB\_Type / tns:logTerminal\_ID

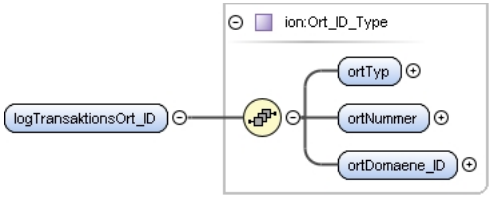
|                 |                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                            |
| Diagram         |                                                                                                                                                                                    |
| Type            | tns:Terminal_ID_Type                                                                                                                                                                                                                                                 |
| Properties      | content: complex                                                                                                                                                                                                                                                     |
| Model           | terminalTyp , terminalNummer , terminalOwner_ID                                                                                                                                                                                                                      |
| Children        | terminalNummer, terminalOwner_ID, terminalTyp                                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:logTerminal_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;terminalTyp&gt;{1,1}&lt;/terminalTyp&gt;   &lt;terminalNummer&gt;{1,1}&lt;/terminalNummer&gt;   &lt;terminalOwner_ID&gt;{1,1}&lt;/terminalOwner_ID&gt; &lt;/tns:logTerminal_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type"/&gt;</code>                                                                                                                                                                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                             |

## Element tns:TXKNAWB\_Type / tns:logTransaktionsZeitpunkt

|                 |                                                                                                                                          |              |                     |              |                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|--------------|---------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                |              |                     |              |                     |
| Diagram         |                                                       |              |                     |              |                     |
| Type            | tns:DateTimeCompact                                                                                                                      |              |                     |              |                     |
| Properties      | content: simple                                                                                                                          |              |                     |              |                     |
| Facets          | <table> <tr> <td>maxInclusive</td><td>2117-12-31T23:59:58</td></tr> <tr> <td>minInclusive</td><td>1990-01-01T00:00:00</td></tr> </table> | maxInclusive | 2117-12-31T23:59:58 | minInclusive | 1990-01-01T00:00:00 |
| maxInclusive    | 2117-12-31T23:59:58                                                                                                                      |              |                     |              |                     |
| minInclusive    | 1990-01-01T00:00:00                                                                                                                      |              |                     |              |                     |
| Source          | <code>&lt;xs:element name="logTransaktionsZeitpunkt" type="ct:DateTimeCompact"/&gt;</code>                                               |              |                     |              |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                 |              |                     |              |                     |

## Element tns:TXKNAWB\_Type / tns:logTransaktionsOrt\_ID

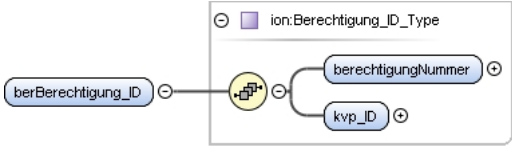
|           |                           |
|-----------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
|-----------|---------------------------|

|                 |                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                         |
| Type            | tns:Ort_ID_Type                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                         |
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                                                                       |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:logTransaktionsOrt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;ortTyp&gt;{1,1}&lt;/ortTyp&gt;   &lt;ortNummer&gt;{1,1}&lt;/ortNummer&gt;   &lt;ortDomaene_ID&gt;{1,1}&lt;/ortDomaene_ID&gt; &lt;/tns:logTransaktionsOrt_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="logTransaktionsOrt_ID" type="ion:Ort_ID_Type"/&gt;</pre>                                                                                                                                                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                 |

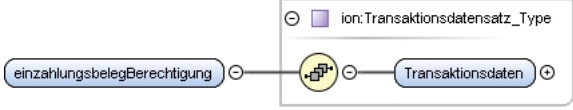
### Element tns:TXKNAWB\_Type / tns:logValidationCode

|                 |                                                                                                                          |              |     |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |              |     |              |   |
| Diagram         |                                         |              |     |              |   |
| Type            | tns:Validation_CODE_Type                                                                                                 |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Validation_CODE_Type</li> </ul>     |              |     |              |   |
| Properties      | content: simple                                                                                                          |              |     |              |   |
| Facets          | <table border="1"> <tr> <td>maxInclusive</td> <td>255</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>    | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                      |              |     |              |   |
| minInclusive    | 0                                                                                                                        |              |     |              |   |
| Source          | <pre>&lt;xs:element name="logValidationCode" type="tns:Validation_CODE_Type"/&gt;</pre>                                  |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |              |     |              |   |

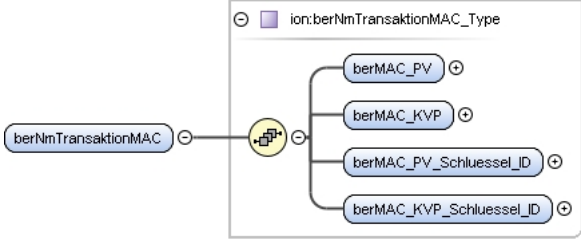
### Element tns:TXKNAWB\_Type / tns:berBerechtigung\_ID

|                 |                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                         |
| Diagram         |                                                                                                                                |
| Type            | tns:Berechtigung_ID_Type                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                  |
| Model           | berechtigungNummer , kvp_ID                                                                                                                                                                                       |
| Children        | berechtigungNummer, kvp_ID                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:berBerechtigung_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berechtigungNummer&gt;{1,1}&lt;/berechtigungNummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/tns:berBerechtigung_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;</pre>                                                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                          |

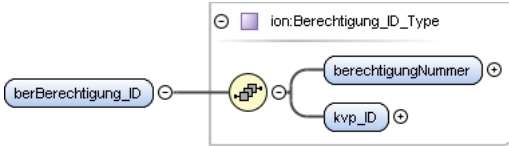
## Element tns:TXLPEB\_Type / tns:ezahlungsbelegBerechtigung

|                 |                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                             |
| Diagram         |  The diagram shows a container element 'ion:Transaktionsdatensatz_Type' containing a sequence of two elements: 'ezahlungsbelegBerechtigung' and 'Transaktionsdaten'. |
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                      |
| Model           | Transaktionsdaten                                                                                                                                                                                                                                     |
| Children        | Transaktionsdaten                                                                                                                                                                                                                                     |
| Instance        | <pre>&lt;tns:ezahlungsbelegBerechtigung xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/tns:ezahlungsbelegBerechtigung&gt;</pre>                                                            |
| Source          | <pre>&lt;xs:element name="ezahlungsbelegBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;</pre>                                                                                                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                              |

## Element tns:TXLPEB\_Type / tns:berNmTransaktionMAC

|                 |                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                             |
| Diagram         |  The diagram shows a container element 'ion:berNmTransaktionMAC_Type' containing a sequence of four elements: 'berMAC_PV', 'berMAC_KVP', 'berMAC_PV_Schluesel_ID', and 'berMAC_KVP_Schluesel_ID'.                                                                   |
| Type            | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                      |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesel_ID , berMAC_KVP_Schluesel_ID                                                                                                                                                                                                                                                                             |
| Children        | berMAC_KVP, berMAC_KVP_Schluesel_ID, berMAC_PV, berMAC_PV_Schluesel_ID                                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt;   &lt;berMAC_PV_Schluesel_ID&gt;{1,1}&lt;/berMAC_PV_Schluesel_ID&gt;   &lt;berMAC_KVP_Schluesel_ID&gt;{1,1}&lt;/berMAC_KVP_Schluesel_ID&gt; &lt;/tns:berNmTransaktionMAC&gt;</pre> |
| Source          | <pre>&lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;</pre>                                                                                                                                                                                                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                              |

## Element tns:TXSANFB\_Type / tns:berBerechtigung\_ID

|            |                                                                                                                                                                                                                                |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                      |
| Diagram    |  The diagram shows a container element 'ion:Berechtigung_ID_Type' containing a sequence of two elements: 'berechtigungNummer' and 'kvp_ID'. |
| Type       | tns:Berechtigung_ID_Type                                                                                                                                                                                                       |
| Properties | content: complex                                                                                                                                                                                                               |
| Model      | berechtigungNummer , kvp_ID                                                                                                                                                                                                    |
| Children   | berechtigungNummer, kvp_ID                                                                                                                                                                                                     |
| Instance   | <pre>&lt;tns:berBerechtigung_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berechtigungNummer&gt;{1,1}&lt;/berechtigungNummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/tns:berBerechtigung_ID&gt;</pre>              |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Source          | <code>&lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;</code>                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Element tns:TXSANFB\_Type / tns:prodProdukt\_ID

|                 |                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                       |
| Diagram         |                                                                                                                                                                                                                 |
| Type            | tns:EFMProdukt_ID_Type                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                |
| Model           | produktNummer{0,1} , organisationID                                                                                                                                                                             |
| Children        | organisationID, produktNummer                                                                                                                                                                                   |
| Instance        | <pre>&lt;tns:prodProdukt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;produktNummer&gt;{0,1}&lt;/produktNummer&gt;   &lt;organisationID&gt;{1,1}&lt;/organisationID&gt; &lt;/tns:prodProdukt_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="prodProdukt_ID" type="ion:EFMProdukt_ID_Type"/&gt;</code>                                                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                        |

## Element tns:TXSANFA\_Type / tns:appInstanz\_ID

|                 |                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                               |
| Diagram         |                                                                                                                                                                                                         |
| Type            | tns:NmApplikationInstanz_ID_Type                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                        |
| Model           | NmAppInstanznummer , kvp_ID                                                                                                                                                                             |
| Children        | NmAppInstanznummer, kvp_ID                                                                                                                                                                              |
| Instance        | <pre>&lt;tns:appInstanz_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;NmAppInstanznummer&gt;{1,1}&lt;/NmAppInstanznummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/tns:appInstanz_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/&gt;</code>                                                                                                           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                |

## Element tns:TXSMITB\_Type / tns:berSperrkandidat

|            |                                                                                                                                                                          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                |
| Diagram    |                                                                                                                                                                          |
| Type       | tns:Berechtigung_ID_Type                                                                                                                                                 |
| Properties | content: complex                                                                                                                                                         |
| Model      | berechtigungNummer , kvp_ID                                                                                                                                              |
| Children   | berechtigungNummer, kvp_ID                                                                                                                                               |
| Instance   | <pre>&lt;tns:berSperrkandidat xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;berechtigungNummer&gt;{1,1}&lt;/berechtigungNummer&gt; &lt;/tns:berSperrkandidat&gt;</pre> |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt;<br/>&lt;/tns:berSperrkandidat&gt;</code>                                        |
| Source          | <code>&lt;xs:element name="berSperrkandidat" type="ion:Berechtigung_ID_Type"/&gt;</code>                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

### Element tns:TXSMIT0\_Type / tns:orgSperrkandidat

|                 |                                                                                                                                                 |              |       |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                       |              |       |              |   |
| Diagram         |                                                                                                                                                 |              |       |              |   |
| Type            | tns:Organisation_ID                                                                                                                             |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |              |       |              |   |
| Properties      | content: simple                                                                                                                                 |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                        | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                           |              |       |              |   |
| minInclusive    | 0                                                                                                                                               |              |       |              |   |
| Source          | <code>&lt;xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/&gt;</code>                                                              |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                        |              |       |              |   |

### Element tns:TXSMITS\_Type / tns:samSperrkandidat

|                 |                                                                                                                                               |              |          |              |   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                     |              |          |              |   |
| Diagram         |                                                                                                                                               |              |          |              |   |
| Type            | tns:SAM_ID_Type                                                                                                                               |              |          |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:ReferenceNumberThree</li> <li>tns:SAM_ID_Type</li> </ul> |              |          |              |   |
| Properties      | content: simple                                                                                                                               |              |          |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>16777215</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                   | maxInclusive | 16777215 | minInclusive | 0 |
| maxInclusive    | 16777215                                                                                                                                      |              |          |              |   |
| minInclusive    | 0                                                                                                                                             |              |          |              |   |
| Source          | <code>&lt;xs:element name="samSperrkandidat" type="ion:SAM_ID_Type"/&gt;</code>                                                               |              |          |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                      |              |          |              |   |

### Element tns:TXSFREIMITB\_Type / tns:berSperrkandidat

|            |                                                                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                        |
| Diagram    |                                                                                                                                                  |
| Type       | tns:Berechtigung_ID_Type                                                                                                                         |
| Properties | content: complex                                                                                                                                 |
| Model      | berechtigungNummer, kvp_ID                                                                                                                       |
| Children   | berechtigungNummer, kvp_ID                                                                                                                       |
| Instance   | <code>&lt;tns:berSperrkandidat xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;<br/>  &lt;berechtigungNummer&gt;{1,1}&lt;/berechtigungNummer&gt;</code> |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt;<br/>&lt;/tns:berSperrkandidat&gt;</code>                                        |
| Source          | <code>&lt;xs:element name="berSperrkandidat" type="ion:Berechtigung_ID_Type"/&gt;</code>                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Element tns:TXSFREIMITO\_Type / tns:orgSperrkandidat

|                 |                                                                                                                                                 |              |       |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                       |              |       |              |   |
| Diagram         |                                                                                                                                                 |              |       |              |   |
| Type            | tns:Organisation_ID                                                                                                                             |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |              |       |              |   |
| Properties      | content: simple                                                                                                                                 |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                        | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                           |              |       |              |   |
| minInclusive    | 0                                                                                                                                               |              |       |              |   |
| Source          | <code>&lt;xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/&gt;</code>                                                              |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                        |              |       |              |   |

## Element tns:TXSFREIMITS\_Type / tns:samSperrkandidat

|                 |                                                                                                                                               |              |          |              |   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                     |              |          |              |   |
| Diagram         |                                                                                                                                               |              |          |              |   |
| Type            | tns:SAM_ID_Type                                                                                                                               |              |          |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:ReferenceNumberThree</li> <li>tns:SAM_ID_Type</li> </ul> |              |          |              |   |
| Properties      | content: simple                                                                                                                               |              |          |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>16777215</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                   | maxInclusive | 16777215 | minInclusive | 0 |
| maxInclusive    | 16777215                                                                                                                                      |              |          |              |   |
| minInclusive    | 0                                                                                                                                             |              |          |              |   |
| Source          | <code>&lt;xs:element name="samSperrkandidat" type="ion:SAM_ID_Type"/&gt;</code>                                                               |              |          |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                      |              |          |              |   |

## Element tns:AllgemeineTransaktionsdaten

|             |                                      |
|-------------|--------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2            |
| Annotations | Element: AllgemeineTransaktionsdaten |
| Diagram     |                                      |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Complex Type tns:TXTRANSABBRUCH_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Model           | tns:logApplikationSeqNummer , tns:logNmTransaktion_ID , tns:logTransaktionsOperator_ID , tns:logTerminal_ID , tns:logTransaktionsZeitpunkt , tns:logTransaktionsOrt_ID , tns:logTransaktionsTyp.code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Children        | tns:logApplikationSeqNummer, tns:logNmTransaktion_ID, tns:logTerminal_ID, tns:logTransaktionsOperator_ID, tns:logTransaktionsOrt_ID, tns:logTransaktionsTyp.code, tns:logTransaktionsZeitpunkt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:AllgemeineTransaktionsdaten xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:logApplikationSeqNummer&gt;{1,1}&lt;/tns:logApplikationSeqNummer&gt;   &lt;tns:logNmTransaktion_ID&gt;{1,1}&lt;/tns:logNmTransaktion_ID&gt;   &lt;tns:logTransaktionsOperator_ID&gt;{1,1}&lt;/tns:logTransaktionsOperator_ID&gt;   &lt;tns:logTerminal_ID&gt;{1,1}&lt;/tns:logTerminal_ID&gt;   &lt;tns:logTransaktionsZeitpunkt&gt;{1,1}&lt;/tns:logTransaktionsZeitpunkt&gt;   &lt;tns:logTransaktionsOrt_ID&gt;{1,1}&lt;/tns:logTransaktionsOrt_ID&gt;   &lt;tns:logTransaktionsTyp.code&gt;{1,1}&lt;/tns:logTransaktionsTyp.code&gt; &lt;/tns:AllgemeineTransaktionsdaten&gt;</pre>                                                                                                                                                                                                                                          |
| Source          | <pre>&lt;xs:element name="AllgemeineTransaktionsdaten"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: AllgemeineTransaktionsdaten&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="logApplikationSeqNummer" type="ct:SequenceNumberTwo"/&gt;       &lt;xs:element name="logNmTransaktion_ID" type="tns:NmTransaktion_ID_Type"/&gt;       &lt;xs:element name="logTransaktionsOperator_ID" type="ct:ReferenceNumberTwo"/&gt;       &lt;xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type"/&gt;       &lt;xs:element name="logTransaktionsZeitpunkt" type="ct:DateTimeCompact"/&gt;       &lt;xs:element name="logTransaktionsOrt_ID" type="ion:Ort_ID_Type"/&gt;       &lt;xs:element name="logTransaktionsTyp.code" type="ct:INT1"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Element tns:AllgemeineTransaktionsdaten / tns:logApplikationSeqNummer

|                 |                                                                                                                          |              |       |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |              |       |              |   |
| Diagram         |                                                                                                                          |              |       |              |   |
| Type            | tns:SequenceNumberTwo                                                                                                    |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:SequenceNumberTwo</li> </ul>        |              |       |              |   |
| Properties      | content: simple                                                                                                          |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                 | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                    |              |       |              |   |
| minInclusive    | 0                                                                                                                        |              |       |              |   |
| Source          | <pre>&lt;xs:element name="logApplikationSeqNummer" type="ct:SequenceNumberTwo"/&gt;</pre>                                |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |              |       |              |   |

## Element tns:AllgemeineTransaktionsdaten / tns:logNmTransaktion\_ID

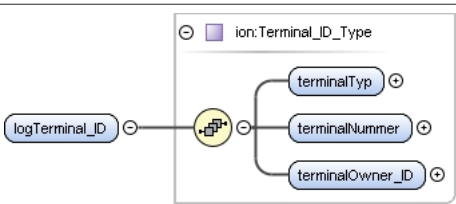
|            |                                             |
|------------|---------------------------------------------|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                   |
| Diagram    |                                             |
| Type       | tns:NmTransaktion_ID_Type                   |
| Properties | content: complex                            |
| Model      | tns:samSequenznummer , tns:SAM_ID.samNumber |

|                 |                                                                                                                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children        | tns:SAM_ID.samNummer, tns:samSequenznummer                                                                                                                                                                                                          |
| Instance        | <pre>&lt;tns:logNmTransaktion_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tns:samSequenznummer&gt;{1,1}&lt;/tns:samSequenznummer&gt;   &lt;tns:SAM_ID.samNummer&gt;{1,1}&lt;/tns:SAM_ID.samNummer&gt; &lt;/tns:logNmTransaktion_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="logNmTransaktion_ID" type="tns:NmTransaktion_ID_Type"/&gt;</pre>                                                                                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                            |

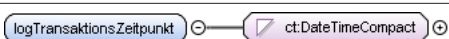
## Element tns:AllgemeineTransaktionsdaten / tns:logTransaktionsOperator\_ID

|                 |                                                                                                                          |              |       |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |              |       |              |   |
| Diagram         |                                         |              |       |              |   |
| Type            | tns:ReferenceNumberTwo                                                                                                   |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> </ul>       |              |       |              |   |
| Properties      | content: simple                                                                                                          |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                 | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                    |              |       |              |   |
| minInclusive    | 0                                                                                                                        |              |       |              |   |
| Source          | <pre>&lt;xs:element name="logTransaktionsOperator_ID" type="ct:ReferenceNumberTwo"/&gt;</pre>                            |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |              |       |              |   |

## Element tns:AllgemeineTransaktionsdaten / tns:logTerminal\_ID

|                 |                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                            |
| Diagram         |                                                                                                                                                                                   |
| Type            | tns:Terminal_ID_Type                                                                                                                                                                                                                                                 |
| Properties      | content: complex                                                                                                                                                                                                                                                     |
| Model           | terminalTyp , terminalNummer , terminalOwner_ID                                                                                                                                                                                                                      |
| Children        | terminalNummer, terminalOwner_ID, terminalTyp                                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:logTerminal_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;terminalTyp&gt;{1,1}&lt;/terminalTyp&gt;   &lt;terminalNummer&gt;{1,1}&lt;/terminalNummer&gt;   &lt;terminalOwner_ID&gt;{1,1}&lt;/terminalOwner_ID&gt; &lt;/tns:logTerminal_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type"/&gt;</pre>                                                                                                                                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                             |

## Element tns:AllgemeineTransaktionsdaten / tns:logTransaktionsZeitpunkt

|              |                                                                                                                                          |              |                     |              |                     |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|--------------|---------------------|
| Namespace    | http://vdv/ka/kvp-dl-pv/2                                                                                                                |              |                     |              |                     |
| Diagram      |                                                       |              |                     |              |                     |
| Type         | tns:DateTimeCompact                                                                                                                      |              |                     |              |                     |
| Properties   | content: simple                                                                                                                          |              |                     |              |                     |
| Facets       | <table> <tr> <td>maxInclusive</td><td>2117-12-31T23:59:58</td></tr> <tr> <td>minInclusive</td><td>1990-01-01T00:00:00</td></tr> </table> | maxInclusive | 2117-12-31T23:59:58 | minInclusive | 1990-01-01T00:00:00 |
| maxInclusive | 2117-12-31T23:59:58                                                                                                                      |              |                     |              |                     |
| minInclusive | 1990-01-01T00:00:00                                                                                                                      |              |                     |              |                     |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Source          | <code>&lt;xs:element name="logTransaktionsZeitpunkt" type="ct:DateTimeCompact"/&gt;</code>                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Element tns:AllgemeineTransaktionsdaten / tns:logTransaktionsOrt\_ID

|                 |                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                                                                          |
| Type            | tns:Ort_ID_Type                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                         |
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                                                                       |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:logTransaktionsOrt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;ortTyp&gt;{1,1}&lt;/ortTyp&gt;   &lt;ortNummer&gt;{1,1}&lt;/ortNummer&gt;   &lt;ortDomaene_ID&gt;{1,1}&lt;/ortDomaene_ID&gt; &lt;/tns:logTransaktionsOrt_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="logTransaktionsOrt_ID" type="ion:Ort_ID_Type"/&gt;</code>                                                                                                                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                 |

## Element tns:AllgemeineTransaktionsdaten / tns:logTransaktionsTyp.code

|                 |                                                                                                                          |              |     |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                |              |     |              |   |
| Diagram         |                                                                                                                          |              |     |              |   |
| Type            | tns:INT1                                                                                                                 |              |     |              |   |
| Properties      | content: simple                                                                                                          |              |     |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                   | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                      |              |     |              |   |
| minInclusive    | 0                                                                                                                        |              |     |              |   |
| Source          | <code>&lt;xs:element name="logTransaktionsTyp.code" type="ct:INT1"/&gt;</code>                                           |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |              |     |              |   |

## Element tns:TXTRANSABBRUCH\_Type / tns:MKAH-PV-NM-MAC\_ID

|            |                                                                                                                                              |          |         |            |   |            |   |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------|---|------------|---|
| Namespace  | http://vdv/ka/kvp-dl-pv/2                                                                                                                    |          |         |            |   |            |   |
| Diagram    |                                                                                                                                              |          |         |            |   |            |   |
| Type       | tns:SymSchluessel_ID_Type                                                                                                                    |          |         |            |   |            |   |
| Properties | <table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table> | content: | complex | minOccurs: | 0 | maxOccurs: | 1 |
| content:   | complex                                                                                                                                      |          |         |            |   |            |   |
| minOccurs: | 0                                                                                                                                            |          |         |            |   |            |   |
| maxOccurs: | 1                                                                                                                                            |          |         |            |   |            |   |
| Model      | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                  |          |         |            |   |            |   |
| Children   | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                    |          |         |            |   |            |   |
| Instance   | <pre>&lt;tns:MKAH-PV-NM-MAC_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;</pre>                                                               |          |         |            |   |            |   |

|                 |                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;schluesselNummer&gt;{1,1}&lt;/schluesselNummer&gt; &lt;schluesselVersion&gt;{1,1}&lt;/schluesselVersion&gt; &lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/tns:MKAH-PV-NM-MAC_ID&gt; </pre> |
| Source          | <code>&lt;xs:element name="MKAH-PV-NM-MAC_ID" type="ion:SymSchluessel_ID_Type" minOccurs="0" maxOccurs="1"/&gt;</code>                                                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                   |

## Element tns:TXTRANSABBRUCH\_Type / tns:MKAH-PV-Nutzungszaehler

|                 |                                                                                                                                          |              |            |              |   |            |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                |              |            |              |   |            |   |
| Diagram         |                                                                                                                                          |              |            |              |   |            |   |
| Type            | tns:ReferenceNumberFour                                                                                                                  |              |            |              |   |            |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:ReferenceNumberFour</li> </ul>                      |              |            |              |   |            |   |
| Properties      | <table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table> | content:     | simple     | minOccurs:   | 0 | maxOccurs: | 1 |
| content:        | simple                                                                                                                                   |              |            |              |   |            |   |
| minOccurs:      | 0                                                                                                                                        |              |            |              |   |            |   |
| maxOccurs:      | 1                                                                                                                                        |              |            |              |   |            |   |
| Facets          | <table> <tr><td>maxInclusive</td><td>4294967295</td></tr> <tr><td>minInclusive</td><td>0</td></tr> </table>                              | maxInclusive | 4294967295 | minInclusive | 0 |            |   |
| maxInclusive    | 4294967295                                                                                                                               |              |            |              |   |            |   |
| minInclusive    | 0                                                                                                                                        |              |            |              |   |            |   |
| Source          | <code>&lt;xs:element name="MKAH-PV-Nutzungszaehler" type="ct:ReferenceNumberFour" minOccurs="0" maxOccurs="1"/&gt;</code>                |              |            |              |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                 |              |            |              |   |            |   |

## Element tns:TXTRANSABBRUCH\_Type / tns:MKKVP--NM-MAC\_ID

|                 |                                                                                                                                                                                                                                                                                                    |          |         |            |   |            |   |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------|---|------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                          |          |         |            |   |            |   |
| Diagram         |                                                                                                                                                                                                                                                                                                    |          |         |            |   |            |   |
| Type            | tns:SymSchluessel_ID_Type                                                                                                                                                                                                                                                                          |          |         |            |   |            |   |
| Properties      | <table> <tr><td>content:</td><td>complex</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>                                                                                                                                                          | content: | complex | minOccurs: | 0 | maxOccurs: | 1 |
| content:        | complex                                                                                                                                                                                                                                                                                            |          |         |            |   |            |   |
| minOccurs:      | 0                                                                                                                                                                                                                                                                                                  |          |         |            |   |            |   |
| maxOccurs:      | 1                                                                                                                                                                                                                                                                                                  |          |         |            |   |            |   |
| Model           | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                                                                        |          |         |            |   |            |   |
| Children        | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                                                          |          |         |            |   |            |   |
| Instance        | <pre> &lt;tns:MKKVP--NM-MAC_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;schluesselNummer&gt;{1,1}&lt;/schluesselNummer&gt;   &lt;schluesselVersion&gt;{1,1}&lt;/schluesselVersion&gt;   &lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/tns:MKKVP--NM-MAC_ID&gt; </pre> |          |         |            |   |            |   |
| Source          | <code>&lt;xs:element name="MKKVP--NM-MAC_ID" type="ion:SymSchluessel_ID_Type" minOccurs="0" maxOccurs="1"/&gt;</code>                                                                                                                                                                              |          |         |            |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                           |          |         |            |   |            |   |

## Element tns:TXTRANSABBRUCH\_Type / tns:MKKVP-Nutzungszaehler

|           |                           |
|-----------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram   |                           |
| Type      | tns:ReferenceNumberFour   |

|                 |                                                                                                                                             |              |            |              |   |            |   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|------------|---|
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:ReferenceNumberFour</li> </ul>                         |              |            |              |   |            |   |
| Properties      | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table> | content:     | simple     | minOccurs:   | 0 | maxOccurs: | 1 |
| content:        | simple                                                                                                                                      |              |            |              |   |            |   |
| minOccurs:      | 0                                                                                                                                           |              |            |              |   |            |   |
| maxOccurs:      | 1                                                                                                                                           |              |            |              |   |            |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                               | maxInclusive | 4294967295 | minInclusive | 0 |            |   |
| maxInclusive    | 4294967295                                                                                                                                  |              |            |              |   |            |   |
| minInclusive    | 0                                                                                                                                           |              |            |              |   |            |   |
| Source          | <code>&lt;xs:element name="MKKVP-Nutzungszaehler" type="ct:ReferenceNumberFour" minOccurs="0" maxOccurs="1"/&gt;</code>                     |              |            |              |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                    |              |            |              |   |            |   |

## Element tns:TXADM

|                 |                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                          |
| Annotations     | Element: Antwort auf Anfrage wegen Defektem Medium                                                                                                                                                                                                                 |
| Diagram         |                                                                                                                                                                                                                                                                    |
| Type            | tns:TXADM_Type                                                                                                                                                                                                                                                     |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXADM_Type</li> </ul>                                                                                                                                                                         |
| Properties      | content: complex                                                                                                                                                                                                                                                   |
| Model           | txbase , tns:transMediennummer , tns:transappInstanz_ID                                                                                                                                                                                                            |
| Children        | tns:transMediennummer, tns:transappInstanz_ID, txbase                                                                                                                                                                                                              |
| Instance        | <pre>&lt;tns:TXADM xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:transMediennummer&gt;{1,1}&lt;/tns:transMediennummer&gt;   &lt;tns:transappInstanz_ID&gt;{1,1}&lt;/tns:transappInstanz_ID&gt; &lt;/tns:TXADM&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXADM" type="tns:TXADM_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Antwort auf Anfrage wegen Defektem Medium&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                           |

## Element tns:TXAEBER

|             |                                                                |
|-------------|----------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                      |
| Annotations | Element: Aenderung einer Berechtigung (nicht moeglich bei EFS) |
| Diagram     |                                                                |

|                 |                                                                                                                                                                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:TXAEBER_Type                                                                                                                                                                                                                                              |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAEBER_Type</li> </ul>                                                                                                                                                                  |
| Properties      | content: complex                                                                                                                                                                                                                                              |
| Model           | txbase , tns:tx_ber , tns:berechtigungTarifbereich                                                                                                                                                                                                            |
| Children        | tns:berechtigungTarifbereich, tns:tx_ber, txbase                                                                                                                                                                                                              |
| Instance        | <pre>&lt;tns:TXAEBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:tx_ber&gt;{1,1}&lt;/tns:tx_ber&gt;   &lt;tns:berechtigungTarifbereich&gt;{1,1}&lt;/tns:berechtigungTarifbereich&gt; &lt;/tns:TXAEBER&gt;</pre>  |
| Source          | <pre>&lt;xs:element name="TXAEBER" type="tns:TXAEBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Aenderung einer Berechtigung (nicht moeglich bei EFS)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                      |

## Element tns:TXAENBER

|                 |                                                                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                |
| Annotations     | Element: Aenderung der Nutzertarifparameter einer Berechtigung (nicht moeglich bei EFS)                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                          |
| Type            | tns:TXAENBER_Type                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAENBER_Type</li> </ul>                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                                                         |
| Model           | txbase , tns:fahrttransaktion , tns:berNmTransaktionMAC                                                                                                                                                                                                                                  |
| Children        | tns:berNmTransaktionMAC, tns:fahrttransaktion, txbase                                                                                                                                                                                                                                    |
| Instance        | <pre>&lt;tns:TXAENBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:fahrttransaktion&gt;{1,1}&lt;/tns:fahrttransaktion&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXAENBER&gt;</pre>                 |
| Source          | <pre>&lt;xs:element name="TXAENBER" type="tns:TXAENBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Aenderung der Nutzertarifparameter einer Berechtigung (nicht moeglich bei EFS)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                 |

## Element tns:TXAS

|             |                                  |
|-------------|----------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2        |
| Annotations | Element: Aufforderung zum Senden |

|                 |                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                        |
| Type            | tns:TXAS_Type                                                                                                                                                                                                                                          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAS_Type</li> </ul>                                                                                                                                                              |
| Properties      | content: complex                                                                                                                                                                                                                                       |
| Model           | txbase , transSendeAuftrag , transSendeAuftragstyp                                                                                                                                                                                                     |
| Children        | transSendeAuftrag, transSendeAuftragstyp, txbase                                                                                                                                                                                                       |
| Instance        | <pre>&lt;tns:TXAS xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;transSendeAuftrag&gt;{1,1}&lt;/transSendeAuftrag&gt;   &lt;transSendeAuftragstyp&gt;{1,1}&lt;/transSendeAuftragstyp&gt; &lt;/tns:TXAS&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXAS" type="ion:TXAS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Aufforderung zum Senden&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                               |

## Element tns:TXASKON

|                |                                                                                                                                             |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                   |
| Annotations    | Element: Anforderung eines neuen Kontingentes fuer einen PV-Schluessel im SAM                                                               |
| Diagram        |                                                                                                                                             |
| Type           | tns:TXASKON_Type                                                                                                                            |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAS_Type</li> <li>tns:TXASKON_Type</li> </ul>                         |
| Properties     | content: complex                                                                                                                            |
| Model          | txbase , transSendeAuftrag , transSendeAuftragstyp , tns:samSAM_ID , tns:samSchluessel_ID , tns:samLoadKeyZaehler , tns:samNutzungsLimitNeu |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children        | tns:samLoadKeyZaehler, tns:samNutzungsLimitNeu, tns:samSAM_ID, tns:samSchluessel_ID, transSendeAuftrag, transSendeAuftragstyp, txbase                                                                                                                                                                                                                                                                                                                                                                                      |
| Instance        | <pre>&lt;tns:TXASKON xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;transSendeAuftrag&gt;{1,1}&lt;/transSendeAuftrag&gt;   &lt;transSendeAuftragstyp&gt;{1,1}&lt;/transSendeAuftragstyp&gt;   &lt;tns:samSAM_ID&gt;{1,1}&lt;/tns:samSAM_ID&gt;   &lt;tns:samSchluessel_ID&gt;{1,1}&lt;/tns:samSchluessel_ID&gt;   &lt;tns:samLoadKeyZaehler&gt;{1,1}&lt;/tns:samLoadKeyZaehler&gt;   &lt;tns:samNutzungsLimitNeu&gt;{1,1}&lt;/tns:samNutzungsLimitNeu&gt; &lt;/tns:TXASKON&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXASKON" type="tns:TXASKON_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Anforderung eines neuen Kontingentes fuer einen PV-Schluessel im SAM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                                                                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                   |

## Element tns:TXUEBERKON

|                 |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                          |
| Annotations     | Element: Genehmigung eines neuen Kontingentes fuer einen PV-Schluessel im SAM                                                                                                                                                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type            | tns:TXUEBERKON_Type                                                                                                                                                                                                                                                                                                                                                                                |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXUEBERKON_Type</li> </ul>                                                                                                                                                                                                                                                                                                    |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                   |
| Model           | txbase , tns:samSAM_ID , tns:samSchluessel_ID , tns:samLoadKeyZaehler , tns:samNutzungsLimitGen                                                                                                                                                                                                                                                                                                    |
| Children        | tns:samLoadKeyZaehler, tns:samNutzungsLimitGen, tns:samSAM_ID, tns:samSchluessel_ID, txbase                                                                                                                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:TXUEBERKON xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:samSAM_ID&gt;{1,1}&lt;/tns:samSAM_ID&gt;   &lt;tns:samSchluessel_ID&gt;{1,1}&lt;/tns:samSchluessel_ID&gt;   &lt;tns:samLoadKeyZaehler&gt;{1,1}&lt;/tns:samLoadKeyZaehler&gt;   &lt;tns:samNutzungsLimitGen&gt;{1,1}&lt;/tns:samNutzungsLimitGen&gt; &lt;/tns:TXUEBERKON&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXUEBERKON" type="tns:TXUEBERKON_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Genehmigung eines neuen Kontingentes fuer einen PV-Schluessel im SAM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                           |

## Element tns:TXBEKODL

|             |                                                                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                                                                                     |
| Annotations | Element: Transaktionsdatensatz (vom PV an den KVP) fuer eine Belastung des Kundenkontos nach Berechnung des Leistungspreises beim PV (aufgrund uebermittelter |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | Fahrttransaktionen vom DL).                                                                                                                                                                                                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type            | tns:TXBEKODL_Type                                                                                                                                                                                                                                                                                                                                                                                  |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXBEKODL_Type</li> </ul>                                                                                                                                                                                                                                                                                                      |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                   |
| Model           | txbase , tns:berBerechtigung_ID , tns:txpp , tns:fahrttransaktion+ , tns:berNmTransaktionMAC                                                                                                                                                                                                                                                                                                       |
| Children        | tns:berBerechtigung_ID, tns:berNmTransaktionMAC, tns:fahrttransaktion, tns:txpp, txbase                                                                                                                                                                                                                                                                                                            |
| Instance        | <pre>&lt;tns:TXBEKODL xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:berBerechtigung_ID&gt;{1,1}&lt;/tns:berBerechtigung_ID&gt;   &lt;tns:txpp&gt;{1,1}&lt;/tns:txpp&gt;   &lt;tns:fahrttransaktion&gt;{1,unbounded}&lt;/tns:fahrttransaktion&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXBEKODL&gt;</pre>     |
| Source          | <pre>&lt;xs:element name="TXBEKODL" type="tns:TXBEKODL_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Transaktionsdatensatz (vom PV an den KVP) fuer eine Belastung     des Kundenkontos nach Berechnung des Leistungspreises beim PV (aufgrund uebermittelter     Fahrttransaktionen vom DL).&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                           |

## Element tns:TXBEKOKVP

|                |                                                                                                                                                                                                                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                    |
| Annotations    | Element: Belastung POB/PEB durch Kauf eines EFS (analog TXBEKODL)                                                                                                                                                                                                                                            |
| Diagram        |                                                                                                                                                                                                                                                                                                              |
| Type           | tns:TXBEWEBKOKVP_Type                                                                                                                                                                                                                                                                                        |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXBEWEBKOKVP_Type</li> </ul>                                                                                                                                                                                                            |
| Properties     | content: complex                                                                                                                                                                                                                                                                                             |
| Model          | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                                     |
| Children       | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase                                                                                                                                                                                                                                       |
| Instance       | <pre>&lt;tns:TXBEKOKVP xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:belastungstransaktionBerechtigung&gt;{1,1}&lt;/tns:belastungstransaktionBerechtigung&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXBEKOKVP&gt;</pre> |

|                 |                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source          | <pre>&lt;xs:element name="TXBEKOKVP" type="tns:TXBEWEBKOKVP_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Belastung POB/PEB durch Kauf eines EFS (analog TXBEKODL)&lt;/   &lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                        |

## Element tns:TXGKO

|                 |                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                            |
| Annotations     | Element: Gutschrift POB/PEB nach Ruecknahme Kauf eines EFS (analog TXBEKOKVP)                                                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                                                                                                                      |
| Type            | tns:TXGKO_Type                                                                                                                                                                                                                                                                                       |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXGKO_Type</li> </ul>                                                                                                                                                                                                           |
| Properties      | content: complex                                                                                                                                                                                                                                                                                     |
| Model           | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                             |
| Children        | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase                                                                                                                                                                                                                               |
| Instance        | <pre>&lt;tns:TXGKO xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:belastungstransaktionBerechtigung&gt;{1,1}&lt;/tns:belastungstransaktionBerechtigung&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXGKO&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXGKO" type="tns:TXGKO_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Gutschrift POB/PEB nach Ruecknahme Kauf eines EFS (analog TXBEKOKVP)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                             |

## Element tns:TXBEWEBKVP

|                |                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                         |
| Annotations    | Element: Belastung WEB durch Kauf eines EFS (analog TXBEKOKVP)                                    |
| Diagram        |                                                                                                   |
| Type           | tns:TXBEWEBKOKVP_Type                                                                             |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXBEWEBKOKVP_Type</li> </ul> |
| Properties     | content: complex                                                                                  |

|                 |                                                                                                                                                                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                                       |
| Children        | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase                                                                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:TXBEWEBKVP xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:belastungstransaktionBerechtigung&gt;{1,1}&lt;/tns:belastungstransaktionBerechtigung&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXBEWEBKVP&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXBEWEBKVP" type="tns:TXBEWEBK0KVP_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Belastung WEB durch Kauf eines EFS (analog TXBEK0KVP)&lt;/   xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                       |

## Element tns:TXGWEB

|                 |                                                                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                              |
| Annotations     | Element: Gutschrift WEB nach Ruecknahme eines EFS (analog TXBEK0KVP)                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                                                                                                                        |
| Type            | tns:TXGWEB_Type                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXGWEB_Type</li> </ul>                                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                                                                       |
| Model           | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                               |
| Children        | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase                                                                                                                                                                                                                                 |
| Instance        | <pre>&lt;tns:TXGWEB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:belastungstransaktionBerechtigung&gt;{1,1}&lt;/tns:belastungstransaktionBerechtigung&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXGWEB&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXGWEB" type="tns:TXGWEB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Gutschrift WEB nach Ruecknahme eines EFS (analog TXBEK0KVP)&lt;/   xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                               |

## Element tns:TXABER

|             |                                     |
|-------------|-------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2           |
| Annotations | Element: Ausgabe einer Berechtigung |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type            | tns:TXABER_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXABER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | txbase , tns:tx_ber , tns:berechtigungTarifbereich , tns:berechtigungTarifbereichZusatz{0,1} , tns:ausgabeTransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                 |
| Children        | tns:ausgabeTransaktionBerechtigung, tns:berNmTransaktionMAC, tns:berechtigungTarifbereich, tns:berechtigungTarifbereichZusatz, tns:tx_ber, txbase                                                                                                                                                                                                                                                                                                                                                                           |
| Instance        | <pre>&lt;tns:TXABER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:tx_ber&gt;{1,1}&lt;/tns:tx_ber&gt;   &lt;tns:berechtigungTarifbereich&gt;{1,1}&lt;/tns:berechtigungTarifbereich&gt;   &lt;tns:berechtigungTarifbereichZusatz&gt;{0,1}&lt;/tns:berechtigungTarifbereichZusatz&gt;   &lt;tns:ausgabeTransaktionBerechtigung&gt;{1,1}&lt;/tns:ausgabeTransaktionBerechtigung&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXABER&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXABER" type="tns:TXABER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Ausgabe einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                                                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                    |

## Element tns:TXEBER

|                |                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                |
| Annotations    | Element: Erfassung einer Berechtigungstransaktion                                                        |
| Diagram        |                                                                                                          |
| Type           | tns:TXEBER_Type                                                                                          |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXEBER_Type</li> </ul>              |
| Properties     | content: complex                                                                                         |
| Model          | txbase , tns:fahrttransaktion , tns:berNmTransaktionMAC                                                  |
| Children       | tns:berNmTransaktionMAC, tns:fahrttransaktion, txbase                                                    |
| Instance       | <pre>&lt;tns:TXEBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;</pre> |

|                 |                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&lt;tns:fahrttransaktion&gt;{1,1}&lt;/tns:fahrttransaktion&gt; &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXEBER&gt;</pre>                                                                             |
| Source          | <pre>&lt;xs:element name="TXEBER" type="tns:TXEBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Erfassung einer Berechtigungstransaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                       |

## Element tns:TXRBER

|                 |                                                                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                              |
| Annotations     | Element: Ruecknahme einer Berechtigung                                                                                                                                                                                                                                                                 |
| Diagram         |                                                                                                                                                                                                                                                                                                        |
| Type            | tns:TXRBER_Type                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXRBER_Type</li> </ul>                                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                                                                       |
| Model           | txbase , tns:ruecknahmeTransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                               |
| Children        | tns:berNmTransaktionMAC, tns:ruecknahmeTransaktionBerechtigung, txbase                                                                                                                                                                                                                                 |
| Instance        | <pre>&lt;tns:TXRBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:ruecknahmeTransaktionBerechtigung&gt;{1,1}&lt;/tns:ruecknahmeTransaktionBerechtigung&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXRBER&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXRBER" type="tns:TXRBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Ruecknahme einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                               |

## Element tns:TXLPEB

|                |                                                                                             |
|----------------|---------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                   |
| Annotations    | Element: Laden eines PEB-Kontos                                                             |
| Diagram        |                                                                                             |
| Type           | tns:TXLPEB_Type                                                                             |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXLPEB_Type</li> </ul> |

|                 |                                                                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties      | content: complex                                                                                                                                                                                                                                                                         |
| Model           | txbase , tns:ezahlungsbelegBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                        |
| Children        | tns:berNmTransaktionMAC, tns:ezahlungsbelegBerechtigung, txbase                                                                                                                                                                                                                          |
| Instance        | <pre>&lt;tns:TXLPEB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:ezahlungsbelegBerechtigung&gt;{1,1}&lt;/tns:ezahlungsbelegBerechtigung&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;/tns:TXLPEB&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXLPEB" type="tns:TXLPEB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Laden eines PEB-Kontos&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                 |

## Element tns:TXSANFB

|                 |                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                               |
| Annotations     | Element: Sperranforderung fuer eine Berechtigung                                                                                                                                                                                                                                                                        |
| Diagram         | <pre> classDiagram     class tnsTXSANFB_Type {         txbase         sperrSperrgrund         berBerechtigung_ID         prodProdukt_ID     }     class tnsTX_BASE_Type {         txbase         sperrSperrgrund     }     tnsTXSANFB_Type -- &gt; tnsTX_BASE_Type   </pre>                                             |
| Type            | tns:TXSANFB_Type                                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFB_Type</li> </ul>                                                                                                                                                                                                  |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                        |
| Model           | txbase , sperrSperrgrund , tns:berBerechtigung_ID , tns:prodProdukt_ID                                                                                                                                                                                                                                                  |
| Children        | sperrSperrgrund, tns:berBerechtigung_ID, tns:prodProdukt_ID, txbase                                                                                                                                                                                                                                                     |
| Instance        | <pre>&lt;tns:TXSANFB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;tns:berBerechtigung_ID&gt;{1,1}&lt;/tns:berBerechtigung_ID&gt;   &lt;tns:prodProdukt_ID&gt;{1,1}&lt;/tns:prodProdukt_ID&gt; &lt;/tns:TXSANFB&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSANFB" type="tns:TXSANFB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperranforderung fuer eine Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                |

## Element tns:TXSANFA

|             |                                                 |
|-------------|-------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                       |
| Annotations | Element: Sperranforderung fuer eine Applikation |

|                 |                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                    |
| Type            | tns:TXSANFA_Type                                                                                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFA_Type</li> </ul>                                                                                                                             |
| Properties      | content: complex                                                                                                                                                                                                                                   |
| Model           | txbase , sperrSperrgrund , tns:applInstanz_ID                                                                                                                                                                                                      |
| Children        | sperrSperrgrund, tns:applInstanz_ID, txbase                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:TXSANFA xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;tns:applInstanz_ID&gt;{1,1}&lt;/tns:applInstanz_ID&gt; &lt;/tns:TXSANFA&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSANFA" type="tns:TXSANFA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperranforderung fuer eine Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                           |

## Element tns:TXSAANFB

|                |                                                                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                         |
| Annotations    | Element: Sperraufhebungsanforderung fuer eine Berechtigung                                                                                        |
| Diagram        |                                                                                                                                                   |
| Type           | tns:TXSAANFB_Type                                                                                                                                 |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFB_Type</li> <li>tns:TXSAANFB_Type</li> </ul> |
| Properties     | content: complex                                                                                                                                  |

|                 |                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | txbase , sperrSperrgrund , tns:berBerechtigung_ID , tns:prodProdukt_ID                                                                                                                                                                                                                                                    |
| Children        | sperrSperrgrund, tns:berBerechtigung_ID, tns:prodProdukt_ID, txbase                                                                                                                                                                                                                                                       |
| Instance        | <pre>&lt;tns:TXSAANFB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;tns:berBerechtigung_ID&gt;{1,1}&lt;/tns:berBerechtigung_ID&gt;   &lt;tns:prodProdukt_ID&gt;{1,1}&lt;/tns:prodProdukt_ID&gt; &lt;/tns:TXSAANFB&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSAANFB" type="tns:TXSAANFB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperraufhebungsanforderung fuer eine Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                  |

## Element tns:TXSAANFA

|                 |                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                  |
| Annotations     | Element: Sperraufhebungsanforderung fuer eine Applikation                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                            |
| Type            | tns:TXSAANFA_Type                                                                                                                                                                                                                                          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSAANFA_Type</li> <li>tns:TXSAANFA_Type</li> </ul>                                                                                                         |
| Properties      | content: complex                                                                                                                                                                                                                                           |
| Model           | txbase , sperrSperrgrund , tns:applInstanz_ID                                                                                                                                                                                                              |
| Children        | sperrSperrgrund, tns:applInstanz_ID, txbase                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:TXSAANFA xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;tns:applInstanz_ID&gt;{1,1}&lt;/tns:applInstanz_ID&gt; &lt;/tns:TXSAANFA&gt;</pre>       |
| Source          | <pre>&lt;xs:element name="TXSAANFA" type="tns:TXSAANFA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperraufhebungsanforderung fuer eine Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                   |

## Element tns:TXSMITB

|             |                                       |
|-------------|---------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2             |
| Annotations | Element: Sperrmitteilung Berechtigung |

|                 |                                                                                                                                                                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                               |
| Type            | tns:TXSMITB_Type                                                                                                                                                                                                                                                                                                              |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITB_Type</li> </ul>                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                              |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:berSperrkandidat                                                                                                                                                                                                                                                     |
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:berSperrkandidat, txbase                                                                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:TXSMITB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;tns:berSperrkandidat&gt;{1,1}&lt;/tns:berSperrkandidat&gt; &lt;/tns:TXSMITB&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSMITB" type="tns:TXSMITB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrmitteilung Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                      |

## Element tns:TXSMITO

|                |                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                              |
| Annotations    | Element: Sperrmitteilung Organisation                                                                                  |
| Diagram        |                                                                                                                        |
| Type           | tns:TXSMITO_Type                                                                                                       |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITO_Type</li> </ul> |
| Properties     | content: complex                                                                                                       |
| Model          | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:orgSperrkandidat                                              |

|                 |                                                                                                                                                                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:orgSperrkandidat, txbase                                                                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:TXSMIT0 xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;tns:orgSperrkandidat&gt;{1,1}&lt;/tns:orgSperrkandidat&gt; &lt;/tns:TXSMIT0&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSMIT0" type="tns:TXSMIT0_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrmitteilung Organisation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                      |

## Element tns:TXSMITS

|                 |                                                                                                                                                                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                     |
| Annotations     | Element: Sperrmitteilung SAM                                                                                                                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                                                               |
| Type            | tns:TXSMITS_Type                                                                                                                                                                                                                                                                                                              |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITS_Type</li> </ul>                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                              |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:samSperrkandidat                                                                                                                                                                                                                                                     |
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:samSperrkandidat, txbase                                                                                                                                                                                                                                                        |
| Instance        | <pre>&lt;tns:TXSMITS xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;tns:samSperrkandidat&gt;{1,1}&lt;/tns:samSperrkandidat&gt; &lt;/tns:TXSMITS&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSMITS" type="tns:TXSMITS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrmitteilung SAM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                      |

## Element tns:TXSFREIMITB

|             |                                               |
|-------------|-----------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                     |
| Annotations | Element: Sperrfreigabemitteilung Berechtigung |

|                 |                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                     |
| Type            | tns:TXSFREIMITB_Type                                                                                                                                                                                                                                                                                                                |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITB_Type</li> </ul>                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                    |
| Model           | tbase , sperrAnforderungBezug , sperrEntscheidung , tns:berSperrkandidat                                                                                                                                                                                                                                                            |
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:berSperrkandidat, tbase                                                                                                                                                                                                                                                               |
| Instance        | <pre>&lt;tns:TXSFREIMITB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;tbase&gt;{1,1}&lt;/tbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;tns:berSperrkandidat&gt;{1,1}&lt;/tns:berSperrkandidat&gt; &lt;/tns:TXSFREIMITB&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSFREIMITB" type="tns:TXSFREIMITB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrfreigabemitteilung Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                            |

## Element tns:TXSFREIMITO

|                |                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                  |
| Annotations    | Element: Sperrfreigabemitteilung Organisation                                                                              |
| Diagram        |                                                                                                                            |
| Type           | tns:TXSFREIMITO_Type                                                                                                       |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITO_Type</li> </ul> |
| Properties     | content: complex                                                                                                           |
| Model          | tbase , sperrAnforderungBezug , sperrEntscheidung , tns:orgSperrkandidat                                                   |

|                 |                                                                                                                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:orgSperrkandidat, txbase                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:TXSFREIMIT0 xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;tns:orgSperrkandidat&gt;{1,1}&lt;/tns:orgSperrkandidat&gt; &lt;/tns:TXSFREIMIT0&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSFREIMIT0" type="tns:TXSFREIMIT0_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrfreigabemitteilung Organisation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                              |

## Element tns:TXSFREIMITS

|                 |                                                                                                                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                             |
| Annotations     | Element: Sperrfreigabemitteilung SAM                                                                                                                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                                                                       |
| Type            | tns:TXSFREIMITS_Type                                                                                                                                                                                                                                                                                                                  |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITS_Type</li> </ul>                                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                      |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:samSperrkandidat                                                                                                                                                                                                                                                             |
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:samSperrkandidat, txbase                                                                                                                                                                                                                                                                |
| Instance        | <pre>&lt;tns:TXSFREIMITS xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;tns:samSperrkandidat&gt;{1,1}&lt;/tns:samSperrkandidat&gt; &lt;/tns:TXSFREIMITS&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSFREIMITS" type="tns:TXSFREIMITS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrfreigabemitteilung SAM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                              |

## Element tns:TXAUSEFS

|             |                                                                |
|-------------|----------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                      |
| Annotations | Element: Auskunft-EFS Berechtigung, Anzeige fuer Servicezwecke |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type            | tns:TXAUSEFS_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAUSEFS_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Model           | txbase , tns:prodAbrechnungsVerfahren , tns:berBezahlMittel , tns:berBezahlArt , tns:prodProdukt_ID , tns:berBerechtigung_ID , tns:transSelektionKriterien , tns:txpp , tns:txefslog+                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Children        | tns:berBerechtigung_ID, tns:berBezahlArt, tns:berBezahlMittel, tns:prodAbrechnungsVerfahren, tns:prodProdukt_ID, tns:transSelektionKriterien, tns:txefslog, tns:txpp, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Instance        | <pre> &lt;tns:TXAUSEFS xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:prodAbrechnungsVerfahren&gt;{1,1}&lt;/tns:prodAbrechnungsVerfahren&gt;   &lt;tns:berBezahlMittel&gt;{1,1}&lt;/tns:berBezahlMittel&gt;   &lt;tns:berBezahlArt&gt;{1,1}&lt;/tns:berBezahlArt&gt;   &lt;tns:prodProdukt_ID&gt;{1,1}&lt;/tns:prodProdukt_ID&gt;   &lt;tns:berBerechtigung_ID&gt;{1,1}&lt;/tns:berBerechtigung_ID&gt;   &lt;tns:transSelektionKriterien&gt;{1,1}&lt;/tns:transSelektionKriterien&gt;   &lt;tns:txpp&gt;{1,1}&lt;/tns:txpp&gt;   &lt;tns:txefslog&gt;{1,unbounded}&lt;/tns:txefslog&gt; &lt;/tns:TXAUSEFS&gt; </pre> |
| Source          | <pre> &lt;xs:element name="TXAUSEFS" type="tns:TXAUSEFS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Auskunft-EFS Berechtigung, Anzeige fuer Servicezwecke&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>                                                                                                                                                                                                                                                                                                                                                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Element tns:TXASBERAFB

|             |                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                                         |
| Annotations | Element: Anforderung der Daten zur Anzeige einer Preisauskunft Fahrt AFB fuer eine Berechtigung aus dem PV System |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Type            | tns:TXASBER_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAS_Type</li> <li>tns:TXASBER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                   |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Model           | txbase , transSendeAuftrag , transSendeAuftragstyp , tns:prodProdukt_ID , tns:berBerechtigung_ID , tns:transSelektionKriterien                                                                                                                                                                                                                                                                                                                                                        |
| Children        | tns:berBerechtigung_ID , tns:prodProdukt_ID , tns:transSelektionKriterien , transSendeAuftrag , transSendeAuftragstyp , txbase                                                                                                                                                                                                                                                                                                                                                        |
| Instance        | <pre> &lt;tns:TXASBERAFB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;transSendeAuftrag&gt;{1,1}&lt;/transSendeAuftrag&gt;   &lt;transSendeAuftragstyp&gt;{1,1}&lt;/transSendeAuftragstyp&gt;   &lt;tns:prodProdukt_ID&gt;{1,1}&lt;/tns:prodProdukt_ID&gt;   &lt;tns:berBerechtigung_ID&gt;{1,1}&lt;/tns:berBerechtigung_ID&gt;   &lt;tns:transSelektionKriterien&gt;{1,1}&lt;/tns:transSelektionKriterien&gt; &lt;/tns:TXASBERAFB&gt; </pre> |
| Source          | <pre> &lt;xs:element name="TXASBERAFB" type="tns:TXASBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Anforderung der Daten zur Anzeige einer Preisauskunft Fahrt AFB fuer eine Berechtigung aus dem PV System&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>                                                                                                                                                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                              |

## Element tns:TXASBEREFS

|             |                                                                                                                         |
|-------------|-------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                                               |
| Annotations | Element: Anforderung der Daten zur Anzeige einer Preisauskunft ESB (post paid) fuer eine Berechtigung aus dem PV System |
| Diagram     |                                                                                                                         |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:TXASBER_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAS_Type</li> <li>tns:TXASBER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                 |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Model           | txbase , transSendeAuftrag , transSendeAuftragstyp , tns:prodProdukt_ID , tns:berBerechtigung_ID , tns:transSelektionKriterien                                                                                                                                                                                                                                                                                                                                                      |
| Children        | tns:berBerechtigung_ID , tns:prodProdukt_ID , tns:transSelektionKriterien , transSendeAuftrag , transSendeAuftragstyp , txbase                                                                                                                                                                                                                                                                                                                                                      |
| Instance        | <pre>&lt;tns:TXASBEREFS xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;transSendeAuftrag&gt;{1,1}&lt;/transSendeAuftrag&gt;   &lt;transSendeAuftragstyp&gt;{1,1}&lt;/transSendeAuftragstyp&gt;   &lt;tns:prodProdukt_ID&gt;{1,1}&lt;/tns:prodProdukt_ID&gt;   &lt;tns:berBerechtigung_ID&gt;{1,1}&lt;/tns:berBerechtigung_ID&gt;   &lt;tns:transSelektionKriterien&gt;{1,1}&lt;/tns:transSelektionKriterien&gt; &lt;/tns:TXASBEREFS&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXASBEREFS" type="tns:TXASBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Anforderung der Daten zur Anzeige einer Preisauskunft ESB (post paid) fuer eine Berechtigung aus dem PV System&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                            |

## Element tns:TXANLN

|                |                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                            |
| Annotations    | Element: Antwort auf Anforderung der Daten zur Anzeige einer Berechtigung aus dem PV System                                                                                                                                                                                                                                                                                          |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                      |
| Type           | tns:TXANLN_Type                                                                                                                                                                                                                                                                                                                                                                      |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXANLN_Type</li> </ul>                                                                                                                                                                                                                                                                                          |
| Properties     | content: complex                                                                                                                                                                                                                                                                                                                                                                     |
| Model          | txbase , tns:prodAbrechnungsverfahren , tns:berBezahlArt , tns:prodProdukt_ID , tns:berBerechtigung_ID , tns:transSelektionKriterien , tns:txpp , tns:txafblog+                                                                                                                                                                                                                      |
| Children       | tns:berBerechtigung_ID , tns:berBezahlArt , tns:prodAbrechnungsverfahren , tns:prodProdukt_ID , tns:transSelektionKriterien , tns:txafblog , tns:txpp , txbase                                                                                                                                                                                                                       |
| Instance       | <pre>&lt;tns:TXANLN xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:prodAbrechnungsverfahren&gt;{1,1}&lt;/tns:prodAbrechnungsverfahren&gt;   &lt;tns:berBezahlArt&gt;{1,1}&lt;/tns:berBezahlArt&gt;   &lt;tns:prodProdukt_ID&gt;{1,1}&lt;/tns:prodProdukt_ID&gt;   &lt;tns:berBerechtigung_ID&gt;{1,1}&lt;/tns:berBerechtigung_ID&gt;</pre> |

|                 |                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;tns:transSelektionKriterien&gt;{1,1}&lt;/tns:transSelektionKriterien&gt; &lt;tns:txpp&gt;{1,1}&lt;/tns:txpp&gt; &lt;tns:txafblog&gt;{1,unbounded}&lt;/tns:txafblog&gt; &lt;/tns:TXANLN&gt; </pre>                                                                                |
| Source          | <pre> &lt;xs:element name="TXANLN" type="tns:TXANLN_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Antwort auf Anforderung der Daten zur Anzeige einer Berechtigung aus dem PV System&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                   |

## Element tns:TXTRANSABBRUCH

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Annotations     | Element: Daten fuer unvollstaendig ausgefuehrte NM-Transaktion                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type            | tns:TXTRANSABBRUCH_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXTRANSABBRUCH_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Model           | txbase , tns:AllgemeineTransaktionsdaten , tns:MKAH-PV-NM-MAC_ID{0,1} , tns:MKAH-PV-Nutzungszaehler{0,1} , tns:MKKVP--NM-MAC_ID{0,1} , tns:MKKVP-Nutzungszaehler{0,1}                                                                                                                                                                                                                                                                                                                                                               |
| Children        | tns:AllgemeineTransaktionsdaten, tns:MKAH-PV-NM-MAC_ID, tns:MKAH-PV-Nutzungszaehler, tns:MKKVP--NM-MAC_ID, tns:MKKVP-Nutzungszaehler, txbase                                                                                                                                                                                                                                                                                                                                                                                        |
| Instance        | <pre> &lt;tns:TXTRANSABBRUCH xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:AllgemeineTransaktionsdaten&gt;{1,1}&lt;/tns:AllgemeineTransaktionsdaten&gt;   &lt;tns:MKAH-PV-NM-MAC_ID&gt;{0,1}&lt;/tns:MKAH-PV-NM-MAC_ID&gt;   &lt;tns:MKAH-PV-Nutzungszaehler&gt;{0,1}&lt;/tns:MKAH-PV-Nutzungszaehler&gt;   &lt;tns:MKKVP--NM-MAC_ID&gt;{0,1}&lt;/tns:MKKVP--NM-MAC_ID&gt;   &lt;tns:MKKVP-Nutzungszaehler&gt;{0,1}&lt;/tns:MKKVP-Nutzungszaehler&gt; &lt;/tns:TXTRANSABBRUCH&gt; </pre> |
| Source          | <pre> &lt;xs:element name="TXTRANSABBRUCH" type="tns:TXTRANSABBRUCH_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Daten fuer unvollstaendig ausgefuehrte NM-Transaktion&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>                                                                                                                                                                                                                                                                           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                            |

## Element tns:TXKNAWA

|             |                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                                |
| Annotations | Element: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder unguelitigen Applikation |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Type            | tns:TXKNAWA_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXKNAWA_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Model           | txbase , tns:logTransaktionsOperator_ID , tns:logTerminal_ID , tns:logTransaktionsZeitpunkt , tns:logTransaktionsOrt_ID , tns:logValidationCode , tns:appInstanz_ID                                                                                                                                                                                                                                                                                                                                                                                                          |
| Children        | tns:appInstanz_ID, tns:logTerminal_ID, tns:logTransaktionsOperator_ID, tns:logTransaktionsOrt_ID, tns:logTransaktionsZeitpunkt, tns:logValidationCode, txbase                                                                                                                                                                                                                                                                                                                                                                                                                |
| Instance        | <pre> &lt;tns:TXKNAWA xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:logTransaktionsOperator_ID&gt;{1,1}&lt;/tns:logTransaktionsOperator_ID&gt;   &lt;tns:logTerminal_ID&gt;{1,1}&lt;/tns:logTerminal_ID&gt;   &lt;tns:logTransaktionsZeitpunkt&gt;{1,1}&lt;/tns:logTransaktionsZeitpunkt&gt;   &lt;tns:logTransaktionsOrt_ID&gt;{1,1}&lt;/tns:logTransaktionsOrt_ID&gt;   &lt;tns:logValidationCode&gt;{1,1}&lt;/tns:logValidationCode&gt;   &lt;tns:appInstanz_ID&gt;{1,1}&lt;/tns:appInstanz_ID&gt; &lt;/tns:TXKNAWA&gt; </pre> |
| Source          | <pre> &lt;xs:element name="TXKNAWA" type="tns:TXKNAWA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder ungeltigen Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>                                                                                                                                                                                                                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Element tns:TXKNAWB

|             |                                                                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                                                                                           |
| Annotations | Element: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder ungeltigen Berechtigung oder einer gueltigen statischen Berechtigung (z.B. Barcode) |
| Diagram     |                                                                                                                                                                     |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:TXKNAWB_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXKNAWB_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Model           | txbase , tns:logTransaktionsOperator_ID , tns:logTerminal_ID , tns:logTransaktionsZeitpunkt , tns:logTransaktionsOrt_ID , tns:logValidationCode , tns:berBerechtigung_ID                                                                                                                                                                                                                                                                                                                                                                                                             |
| Children        | tns:berBerechtigung_ID, tns:logTerminal_ID, tns:logTransaktionsOperator_ID, tns:logTransaktionsOrt_ID, tns:logTransaktionsZeitpunkt, tns:logValidationCode, txbase                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Instance        | <pre>&lt;tns:TXKNAWB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:logTransaktionsOperator_ID&gt;{1,1}&lt;/tns:logTransaktionsOperator_ID&gt;   &lt;tns:logTerminal_ID&gt;{1,1}&lt;/tns:logTerminal_ID&gt;   &lt;tns:logTransaktionsZeitpunkt&gt;{1,1}&lt;/tns:logTransaktionsZeitpunkt&gt;   &lt;tns:logTransaktionsOrt_ID&gt;{1,1}&lt;/tns:logTransaktionsOrt_ID&gt;   &lt;tns:logValidationCode&gt;{1,1}&lt;/tns:logValidationCode&gt;   &lt;tns:berBerechtigung_ID&gt;{1,1}&lt;/tns:berBerechtigung_ID&gt; &lt;/tns:TXKNAWB&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXKNAWB" type="tns:TXKNAWB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder ungultigen Berechtigung oder einer gueltigen statischen Berechtigung (z.B. Barcode)&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                                                  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Element tns:TXAMBER

|                |                                                                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                  |
| Annotations    | Element: Ausgabe einer Multiberechtigung                                                                                                                                   |
| Diagram        |                                                                                                                                                                            |
| Type           | tns:TXAMBER_Type                                                                                                                                                           |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXABER_Type</li> <li>tns:TXAMBER_Type</li> </ul>                                                      |
| Properties     | content: complex                                                                                                                                                           |
| Model          | txbase , tns:tx_ber , tns:berechtigungTarifbereich , tns:berechtigungTarifbereichZusatz{0,1} , tns:ausgabeTransaktionBerechtigung , tns:berNmTransaktionMAC , tns:tx_abkey |
| Children       | tns:ausgabeTransaktionBerechtigung, tns:berNmTransaktionMAC, tns:berechtigungTarifbereich, tns:berechtigungTarifbereichZusatz, tns:tx_abkey, tns:tx_ber, txbase            |
| Instance       | <pre>&lt;tns:TXAMBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:tx_ber&gt;{1,1}&lt;/tns:tx_ber&gt;</pre>                     |

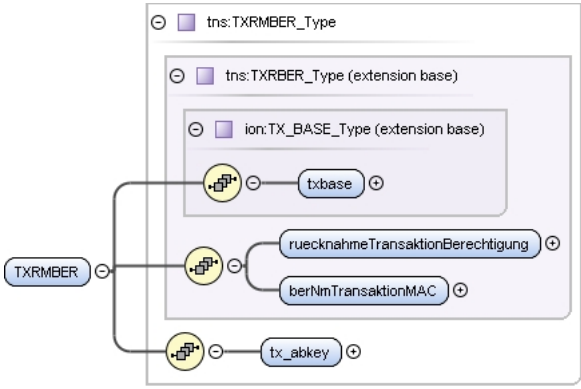
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;tns:berechtigungTarifbereich&gt;{1,1}&lt;/tns:berechtigungTarifbereich&gt; &lt;tns:berechtigungTarifbereichZusatz&gt;{0,1}&lt;/tns:berechtigungTarifbereichZusatz&gt; &lt;tns:ausgabeTransaktionBerechtigung&gt;{1,1}&lt;/tns:ausgabeTransaktionBerechtigung&gt; &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt; &lt;tns:tx_abkey&gt;{1,1}&lt;/tns:tx_abkey&gt; &lt;/tns:TXAMBER&gt; </pre> |
| Source          | <pre> &lt;xs:element name="TXAMBER" type="tns:TXAMBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Ausgabe einer Multiberechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>                                                                                                                                                                                  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                   |

## Element tns:TXEMBER

|                 |                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                 |
| Annotations     | Element: Erfassung einer Multiberechtigung                                                                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                                                                                                                                           |
| Type            | tns:TXEMBER_Type                                                                                                                                                                                                                                                                                                          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXEBER_Type</li> <li>tns:TXEMBER_Type</li> </ul>                                                                                                                                                                                                     |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                          |
| Model           | txbase , tns:fahrttransaktion , tns:berNmTransaktionMAC , tns:tx_abkey                                                                                                                                                                                                                                                    |
| Children        | tns:berNmTransaktionMAC, tns:fahrttransaktion, tns:tx_abkey, txbase                                                                                                                                                                                                                                                       |
| Instance        | <pre> &lt;tns:TXEMBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:fahrttransaktion&gt;{1,1}&lt;/tns:fahrttransaktion&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt;   &lt;tns:tx_abkey&gt;{1,1}&lt;/tns:tx_abkey&gt; &lt;/tns:TXEMBER&gt; </pre> |
| Source          | <pre> &lt;xs:element name="TXEMBER" type="tns:TXEMBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Erfassung einer Multiberechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>                                                                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                  |

## Element tns:TXRMBER

|             |                                             |
|-------------|---------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                   |
| Annotations | Element: Ruecknahme einer Multiberechtigung |

|                 |                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                          |
| Type            | tns:TXRMBER_Type                                                                                                                                                                                                                                                                                                                                          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXRBER_Type</li> <li>tns:TXRMBER_Type</li> </ul>                                                                                                                                                                                                                                     |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                          |
| Model           | txbase , tns:ruecknahmeTransaktionBerechtigung , tns:berNmTransaktionMAC , tns:tx_abkey                                                                                                                                                                                                                                                                   |
| Children        | tns:berNmTransaktionMAC, tns:ruecknahmeTransaktionBerechtigung, tns:tx_abkey, txbase                                                                                                                                                                                                                                                                      |
| Instance        | <pre>&lt;tns:TXRMBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;tns:ruecknahmeTransaktionBerechtigung&gt;{1,1}&lt;/tns:ruecknahmeTransaktionBerechtigung&gt;   &lt;tns:berNmTransaktionMAC&gt;{1,1}&lt;/tns:berNmTransaktionMAC&gt;   &lt;tns:tx_abkey&gt;{1,1}&lt;/tns:tx_abkey&gt; &lt;/tns:TXRMBER&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXRMBER" type="tns:TXRMBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Ruecknahme einer Multiberechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                  |

## Simple Type(s)

### Simple Type tns:TransportTypeCodeEnum\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                               |
| Annotations    | TransportTypeCodeEnum_Type klassifiziert Arten von Transportdienstleistungen im Sinne einer Qualitätsklasse, z.B. "IC/EC", "ICE" bei der Deutschen Bahn. Diese Kategorien sind "marketinggetrieben" mit Auswirkungen auf den Preis und daher produktspezifisch.<br>Enumeration: Classifies types of transport services concerning quality.<br>EN 1545: TransportTypeCode.<br>See also Spec BOM table 6-86 and TransportTypeCode_Type in main schema XML-Schema_KVP_DL_PV.xsd. |     |                               |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                            |     |                               |
| Type           | restriction of tns:TransportTypeCode_Type                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                               |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:TransportTypeCode_Type</li> <li>tns:TransportTypeCodeEnum_Type</li> </ul>                                                                                                                                                                                                                                                                                                                |     |                               |
| Facets         | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 255 |                               |
|                | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0   |                               |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0   | nicht spezifiziert/unbestimmt |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1   | Linienbus im Stadtverkehr     |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3   | Metro/U-Bahn/S-Bahn           |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |                                                  |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------|
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4  | Strassenbahn/TRAM                                |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6  | Schiff                                           |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10 | ICE                                              |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11 | Ueberlandbus/Regionalbus                         |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11 | Ueberlandbus/Regionalbus                         |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 19 | Regionalzug                                      |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20 | IC                                               |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 21 | Standseilbahn                                    |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 29 | Regionalexpress                                  |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30 | Expressbus                                       |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 31 | Flughafenzubringer                               |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 32 | Verbundnahverkehr inklusive Sonderverkehrsmittel |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 33 | Verbundnahverkehr ohne Kurzstrecke               |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 34 | SPNV                                             |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 35 | Verbundnahverkehr ohne Sonderverkehrsmittel      |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 36 | Faehre                                           |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 37 | Bergbahn                                         |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 38 | Verbundnahverkehr mit Kurzstrecke                |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 40 | Fussweg                                          |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 42 | Nachtexpressbus                                  |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 43 | Nachtbus                                         |
| Source | <pre> &lt;xs:simpleType name="TransportTypeCodeEnum_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;TransportTypeCodeEnum_Type klassifiziert Arten von Transportdienstleistungen     im Sinne einer Qualitaetsklasse, z.B. "IC/EC", "ICE" bei der Deutschen Bahn. Diese Kategorien     sind "marketinggetrieben" mit Auswirkungen auf den Preis und daher produktspezifisch. Enumeration:     Classifies types of transport services concerning quality. EN 1545: TransportTypeCode. See     also Spec BOM table 6-86 and TransportTypeCode_Type in main schema XML-Schema_KVP_DL_PV.xsd.&lt;/   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:TransportTypeCode_Type"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;nicht spezifiziert/unbestimmt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Linienbus im Stadtverkehr&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Metro/U-Bahn/S-Bahn&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="4"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Strassenbahn/TRAM&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="6"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Schiff&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="10"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;ICE&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="11"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Ueberlandbus/Regionalbus&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="11"&gt;       &lt;xs:annotation&gt; </pre> |    |                                                  |

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## Simple Type tns:TransportTypeCode\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |     |              |   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |     |              |   |
| Annotations     | <p>Der TransportTypeCode_Type oder TransportmittelKategorie_CODE bzw. Transportserviceart_CODE_Type (Spez BOM) klassifiziert Arten von Transportdienstleistungen im Sinne einer Qualitätsklasse, z.B. "IC/EC", "ICE" bei der Deutschen Bahn. Diese Kategorien sind "marketinggetrieben" mit Auswirkungen auf den Preis und daher produktspezifisch. Die direkte Referenz auf die Aufzählung wurde im Rahmen von CR-239 entfernt und damit die automatische Validierung auf die Beschränkung der Aufzählungselemente entfernt, um Codes erweitern zu können. Der semantische Check muss in der Software mit Hilfe der Aufzählung TransportTypeEnum_Type im entsprechenden Schema (XML-Schema_KVP_DL_PV_Enums_ext-1.x.x.xsd) umgesetzt werden. Enumeration: Classifies types of transport services concerning quality. EN 1545: TransportTypeCode. See also Spec BOM table 6-86 and TransportTypeEnum_Type.</p>                                                                                                                                                                                                                                                                   |              |     |              |   |
| Diagram         | <pre> graph LR     A[TransportTypeCode_Type] --- B[ct:INT1]     style A fill:#f9f9f9,stroke:#333,stroke-width:1px     style B fill:#f9f9f9,stroke:#333,stroke-width:1px </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |     |              |   |
| Type            | tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:TransportTypeCode_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |     |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |     |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |     |              |   |
| Used by         | Simple Types tns:TransportTypeEnum_Type, tns:TransportmittelKategorie_CODE_Type, tns:Transportserviceart_CODE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |     |              |   |
| Source          | <pre>&lt;xs:simpleType name="TransportTypeCode_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der TransportTypeCode_Type oder TransportmittelKategorie_CODE bzw.     Transportserviceart_CODE_Type (Spez BOM) klassifiziert Arten von Transportdienstleistungen im     Sinne einer Qualitätsklasse, z.B. "IC/EC", "ICE" bei der Deutschen Bahn. Diese Kategorien sind     "marketinggetrieben" mit Auswirkungen auf den Preis und daher produktspezifisch. Die direkte     Referenz auf die Aufzählung wurde im Rahmen von CR-239 entfernt und damit die automatische     Validierung auf die Beschränkung der Aufzählungselemente entfernt, um Codes erweitern zu können.     Der semantische Check muss in der Software mit Hilfe der Aufzählung TransportTypeEnum_Type im     entsprechenden Schema (XML-Schema_KVP_DL_PV_Enums_ext-1.x.x.xsd) umgesetzt werden. Enumeration:     Classifies types of transport services concerning quality. EN 1545: TransportTypeCode. See also     Spec BOM table 6-86 and TransportTypeEnum_Type.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"/&gt; &lt;/xs:simpleType&gt;</pre> |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |     |              |   |

## Simple Type tns:ValidationCodeEnumType

|                |                                                                                                                                                                                                 |              |     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                       |              |     |
| Annotations    | <p>BOM 6-62<br/>Der Validation_CODE klassifiziert den Grund der Erstellung eines Kontrollnachweises ohne Transaktionsausführung mit dem Nutzermedium</p>                                        |              |     |
| Diagram        | <pre> graph LR     A[ValidationCodeEnumType] --- B[tns:Validation_CODE_Type]     style A fill:#f9f9f9,stroke:#333,stroke-width:1px     style B fill:#f9f9f9,stroke:#333,stroke-width:1px </pre> |              |     |
| Type           | restriction of tns:Validation_CODE_Type                                                                                                                                                         |              |     |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Validation_CODE_Type</li> <li>tns:ValidationCodeEnumType</li> </ul>                                        |              |     |
| Facets         | <table> <tr> <td>maxInclusive</td><td>255</td></tr> </table>                                                                                                                                    | maxInclusive | 255 |
| maxInclusive   | 255                                                                                                                                                                                             |              |     |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                                                                               |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------|
|        | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0  |                                                                               |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0  | Keine Angabe                                                                  |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1  | Daten nicht authentisch                                                       |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2  | Zeitlich ungueltig                                                            |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3  | Raeumlich ungueltig                                                           |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4  | Persoenlich ungueltig (fuer personengebundene Objekte)                        |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5  | gesperrter SAM (nur Statische Berechtigung)                                   |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6  | gesperrte ORG (nur Statische Berechtigung)                                    |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7  | sym. Schluessel gesperrt oder nicht vorhanden                                 |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8  | asym. Schuessel gesperrt oder nicht vorhanden                                 |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9  | Status im App. Verzeichnis nicht gesetzt                                      |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10 | Ausgabetransaktionskennung fehlt                                              |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 11 | Transportmittelkategorie abweichend vom aktuellen Verkehrsmittel              |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 14 | SCE-ID found in static entitlement without Motics                             |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 15 | Timestamp expired in static entitlement with Motics                           |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 16 | SCE-ID in static entitlement with Motics does not match SCE-ID in certificate |
|        | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 19 | gesperrt (EN 1545-1 blocked (19))                                             |
| Source | <pre> &lt;xs:simpleType name="ValidationCodeEnumType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;BOM 6-62 Der Validation_CODE klassifiziert den Grund der Erstellung eines Kontrollnachweises ohne Transaktionsausfuehrung mit dem Nutzermedium&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:Validation_CODE_Type"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Keine Angabe&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Daten nicht authentisch&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Zeitlich ungueltig&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Raeumlich ungueltig&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="4"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Persoenlich ungueltig (fuer personengebundene Objekte)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="5"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;gesperrter SAM (nur Statische Berechtigung)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="6"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;gesperrte ORG (nur Statische Berechtigung)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="7"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;sym. Schluessel gesperrt oder nicht vorhanden&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="8"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;asym. Schuessel gesperrt oder nicht vorhanden&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |    |                                                                               |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | <pre> &lt;/xs:enumeration&gt; &lt;xs:enumeration value="9"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Status im App. Verzeichnis nicht gesetzt&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="10"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Ausgabetransaktionskennung fehlt&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="11"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Transportmittelkategorie abweichend vom aktuellen Verkehrsmittel&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;!-- CR-396 new validation codes for motics --&gt; &lt;xs:enumeration value="14"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;SCE-ID found in static entitlement without Motics&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="15"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Timestamp expired in static entitlement with Motics&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="16"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;SCE-ID in static entitlement with Motics does not match SCE-ID in certificate&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;!-- End CR-396 --&gt; &lt;xs:enumeration value="19"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;gesperrt (EN 1545-1 blocked (19))&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema loca-<br>tion | file:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/ext/1.13.0/XML-<br>Schema_KVP_DL_PV_Enums_ext-1.13.0.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Simple Type tns:Validation\_CODE\_Type

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Namespace           | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                |
| Annotations         | BOM 6-62<br>Der Validation_CODE klassifiziert den Grund der Erstellung<br>eines Kontrollnachweises ohne Transaktionsausführung mit dem Nutzermedium.<br>Zum Validieren siehe ValidationCodeEnumType in XML-Schema_KVP_DL_PV_Enums_ext-X.X.X.xsd                                                                                                                                                                                                                             |                                                                                |
| Diagram             | <pre> classDiagram     class Validation_CODE_Type     class ct_INT1["ct:INT1"]     Validation_CODE_Type -- &gt; ct_INT1   </pre>                                                                                                                                                                                                                                                                                                                                            |                                                                                |
| Type                | tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                |
| Type hierar-<br>chy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Validation_CODE_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                        |                                                                                |
| Facets              | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 255                                                                            |
|                     | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0                                                                              |
| Used by             | Simple Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | tns:ValidationCodeEnumType                                                     |
|                     | Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tns:TXKNAWA_Type/tns:logValidationCode, tns:TXKNAWB_Type/tns:logValidationCode |
| Source              | <pre> &lt;xs:simpleType name="Validation_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;BOM 6-62 Der Validation_CODE klassifiziert den Grund der Erstellung eines Kontrollnachweises ohne Transaktionsausführung mit dem Nutzermedium. Zum Validieren siehe ValidationCodeEnumType in XML-Schema_KVP_DL_PV_Enums_ext-X.X.X.xsd&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"/&gt; &lt;/xs:simpleType&gt; </pre> |                                                                                |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|

## Simple Type tns:Amount65535

|                 |                                                                                                                                                                                             |                                     |  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                   |                                     |  |
| Diagram         |                                                                                                                                                                                             |                                     |  |
| Type            | tns:INT2                                                                                                                                                                                    |                                     |  |
| Type hierarchy  | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT2<ul style="list-style-type: none"><li>• tns:Amount65535</li></ul></li></ul></li></ul> |                                     |  |
| Facets          | maxInclusive                                                                                                                                                                                | 65535                               |  |
|                 | minInclusive                                                                                                                                                                                | 0                                   |  |
| Used by         | Element                                                                                                                                                                                     | tns:TX_PP_Type/tns:ppLeistungsPreis |  |
| Source          | <pre>&lt;xs:simpleType name="Amount65535"&gt;   &lt;xs:restriction base="ct:INT2"/&gt; &lt;/xs:simpleType&gt;</pre>                                                                         |                                     |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                    |                                     |  |

## Simple Type tns:Profil\_CODE\_Type

|                |                                                                                                                                                                                                                                                                 |                                   |                                    |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                       |                                   |                                    |
| Annotations    | Typ: klassifiziert Kunden, Objekte, etc. bzgl. tarifrelevanter Gruppen des OePV BOM 6_45                                                                                                                                                                        |                                   |                                    |
| Diagram        |                                                                                                                                                                              |                                   |                                    |
| Type           | restriction of tns:INT1                                                                                                                                                                                                                                         |                                   |                                    |
| Type hierarchy | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:Profil_CODE_Type</li></ul></li></ul></li></ul>                                                                      |                                   |                                    |
| Facets         | maxInclusive                                                                                                                                                                                                                                                    | 255                               |                                    |
|                | minInclusive                                                                                                                                                                                                                                                    | 0                                 |                                    |
|                | enumeration                                                                                                                                                                                                                                                     | 0                                 | nicht spezifiziert/unbestimmt      |
|                | enumeration                                                                                                                                                                                                                                                     | 1                                 | Erwachsener                        |
|                | enumeration                                                                                                                                                                                                                                                     | 2                                 | Kind                               |
|                | enumeration                                                                                                                                                                                                                                                     | 3                                 | Student                            |
|                | enumeration                                                                                                                                                                                                                                                     | 5                                 | Behinderter                        |
|                | enumeration                                                                                                                                                                                                                                                     | 6                                 | Sehbehinderter                     |
|                | enumeration                                                                                                                                                                                                                                                     | 7                                 | Hoergeschaedigter                  |
|                | enumeration                                                                                                                                                                                                                                                     | 8                                 | Arbeitsloser/Sozialhilfeempfaenger |
|                | enumeration                                                                                                                                                                                                                                                     | 9                                 | Personal                           |
|                | enumeration                                                                                                                                                                                                                                                     | 10                                | Militaeranhehoeriger               |
|                | enumeration                                                                                                                                                                                                                                                     | 19                                | Schueler                           |
|                | enumeration                                                                                                                                                                                                                                                     | 20                                | Azubi                              |
|                | enumeration                                                                                                                                                                                                                                                     | 25                                | Senior                             |
| Used by        | Element                                                                                                                                                                                                                                                         | tns:Mitnahme_Type/tns:mitnahmeTyp |                                    |
| Source         | <pre>&lt;xs:simpleType name="Profil_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: klassifiziert Kunden, Objekte, etc. bzgl. tarifrelevanter Gruppen des OePV BOM 6_45&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;!--</pre> |                                   |                                    |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <p>TODO: Fehler in BOM: Personal 7 Rechtschreibung + doppelt ?? Im anderen ist es richtig, Personal = 9, habe ich so uebernommen</p> <pre> --&gt; &lt;xs:restriction base="ct:INT1"&gt;   &lt;xs:enumeration value="0"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;nicht spezifiziert/unbestimmt&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="1"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Erwachsener&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="2"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Kind&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="3"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Student&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="5"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Behinderter&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="6"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Sehbehinderter&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="7"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Hoergeschaedigter&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="8"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Arbeitsloser/Sozialhilfeempfaenger&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="9"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Personal&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="10"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Militaeranhehoeriger&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="19"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Schueler&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="20"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Azubi&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="25"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Senior&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Simple Type tns:SelektionKriterien\_Type

|             |                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                         |
| Annotations | <p>Typ: Selektionskriterion in XML Datumform.</p> <p>BOM 1107 Tabelle 6-18, heisst dort 'XML'</p> |

|                 |                                                                                                                                                                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                              |
| Type            | tns:DateTime                                                                                                                                                                                                                                                                                                                  |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:dateTime</li> <li>tns:DateTime</li> <li>tns:SelektionKriterien_Type</li> </ul>                                                                                                                                                                                                      |
| Used by         | Elements<br>tns:TXANLN_Type/tns:transSelektionKriterien, tns:TXASBER_Type/tns:transSelektionKriterien, tns:TXAUSEFS_Type/tns:transSelektionKriterien                                                                                                                                                                          |
| Source          | <pre>&lt;xs:simpleType name="SelektionKriterien_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Selektionskriterion in XML Datumform. BOM 1107 Tabelle 6-18, heisst dort 'XML'&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:DateTime"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                      |

## Simple Type tns:Kudentyp\_CODE\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 |                                    |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                 |                                    |
| Annotations    | Der Kundentyp_CODE klassifiziert Kunden bzgl. typischer tarifrelevanter Kundengruppen des OePV. BOM 6-38                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 |                                    |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 |                                    |
| Type           | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                 |                                    |
| Type hierarchy | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:Kundentyp_CODE_Type</li></ul></li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                 |                                    |
| Facets         | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 255                                                                             |                                    |
|                | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0                                                                               |                                    |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0                                                                               | nicht spezifiziert/unbestimmt      |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                                                                               | Erwachsener                        |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                                                               | Kind                               |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                                                                               | Student                            |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5                                                                               | Behinderter                        |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6                                                                               | Sehbehinderter                     |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7                                                                               | Hoergeschaedigter                  |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8                                                                               | Arbeitsloser/Sozialhilfeempfaenger |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9                                                                               | Personal                           |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10                                                                              | Militaeranhehoeriger               |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 19                                                                              | Schueler                           |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20                                                                              | Azubi                              |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 25                                                                              | Senior                             |
| Used by        | Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | tns:TX_AFBLOG_Type/tns:afbLogFahrgastTyp, tns:TX_EFSLOG_Type/tns:efsFahrgastTyp |                                    |
| Source         | <pre>&lt;xs:simpleType name="Kundentyp_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der Kundentyp_CODE klassifiziert Kunden bzgl. typischer tarifrelevanter Kundengruppen des OePV. BOM 6-38&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;nicht spezifiziert/unbestimmt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                                                                 |                                    |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:enumeration value="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Erwachsener&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="2"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Kind&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="3"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Student&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="5"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Behinderter&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="6"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Sehbehinderter&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="7"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hoergeschaedigter&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="8"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Arbeitsloser/Sozialhilfeempfaenger&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="9"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Personal&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="10"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Militaeranhehoeriger&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="19"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Schueler&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="20"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Azubi&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="25"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Senior&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Simple Type tns:ServiceKlasse\_CODE\_Type

|                |                                                                                                                                                                      |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                            |
| Annotations    | Der ServiceKlasse_CODE klassifiziert Servicequalitaeten der Transportdienstleistung.<br>Haeufigstes Beispiel ist die Unterscheidung in 1. und 2. Klasse.<br>BOM 6-49 |
| Diagram        | <pre> classDiagram     class ServiceKlasse_CODE_Type     class tns_INT1["tns:INT1"]     ServiceKlasse_CODE_Type -- &gt; tns_INT1 </pre>                              |
| Type           | restriction of tns:INT1                                                                                                                                              |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> </ul>                                                                                                     |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----|--|--------------|---|--|-------------|---|-------------------------------|-------------|---|-----------|-------------|---|-----------|
|                      | <ul style="list-style-type: none"><li>• tns:INT1</li><li>• tns:ServiceKlasse_CODE_Type</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |
| Facets               | <table><tr><td>maxInclusive</td><td>255</td><td></td></tr><tr><td>minInclusive</td><td>0</td><td></td></tr><tr><td>enumeration</td><td>0</td><td>nicht spezifiziert/unbestimmt</td></tr><tr><td>enumeration</td><td>1</td><td>1. Klasse</td></tr><tr><td>enumeration</td><td>2</td><td>2. Klasse</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | maxInclusive                  | 255 |  | minInclusive | 0 |  | enumeration | 0 | nicht spezifiziert/unbestimmt | enumeration | 1 | 1. Klasse | enumeration | 2 | 2. Klasse |
| maxInclusive         | 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |
| minInclusive         | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |
| enumeration          | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | nicht spezifiziert/unbestimmt |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |
| enumeration          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1. Klasse                     |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |
| enumeration          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2. Klasse                     |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |
| Used by              | Elements tns:TX_AFBLOG_Type/tns:afbLogServiceKlasse, tns:TX_EFSLOG_Type/tns:efsLogServiceKlasse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |
| Source               | <pre>&lt;xs:simpleType name="ServiceKlasse_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der ServiceKlasse_CODE klassifiziert Servicequalitaeten der     Transportdienstleistung. Haeufigstes Beispiel ist die Unterscheidung in 1. und 2. Klasse. BOM     6-49&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;nicht spezifiziert/unbestimmt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;1. Klasse&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;2. Klasse&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                               |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |
| Schema loca-<br>tion | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |     |  |              |   |  |             |   |                               |             |   |           |             |   |           |

## Simple Type tns:ServiceKlasseExtra\_CODE\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |                               |
| Annotations    | Der ServiceKlasseExtra_CODE klassifiziert zusaetzliche Services/Servicequalitaeten im Zusammenhang mit der Transportdienstleistung. BOM 6-50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                               |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                               |
| Type           | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                               |
| Type hierarchy | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT1<ul style="list-style-type: none"><li>• tns:ServiceKlasseExtra_CODE_Type</li></ul></li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |                               |
| Facets         | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 255                                          |                               |
|                | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                            |                               |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0                                            | nicht spezifiziert/unbestimmt |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                            | Fruehstueck                   |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                            | Mittagessen                   |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                                            | Abendessen                    |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                                            | Buffet                        |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                                            | Imbiss                        |
| Used by        | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | tns:TX_EFSLOG_Type/tns:efsServiceKlasseExtra |                               |
| Source         | <pre>&lt;xs:simpleType name="ServiceKlasseExtra_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der ServiceKlasseExtra_CODE klassifiziert zusaetzliche Services/     Servicequalitaeten im Zusammenhang mit der Transportdienstleistung. BOM 6-50&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;nicht spezifiziert/unbestimmt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Fruehstueck&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Mittagessen&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Abendessen&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="4"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Buffet&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="5"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Imbiss&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                              |                               |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:annotation&gt; &lt;xs:restriction base="ct:INT1"&gt;   &lt;xs:enumeration value="0"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;nicht spezifiziert/unbestimmt&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="1"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Fruehstueck&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="2"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Mittagessen&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="3"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Abendessen&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="4"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Buffet&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt;   &lt;xs:enumeration value="5"&gt;     &lt;xs:annotation&gt;       &lt;xs:documentation&gt;Imbiss&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:enumeration&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### Simple Type tns:TransportmittelKategorie\_CODE\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                 |              |     |              |   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                       |              |     |              |   |
| Annotations     | Typ, der die Kompatibilitaet zur BOM Spez. herstellt. Siehe TransportTypeCode_Type. Entfaellt demnaechst.                                                                                                                                                                                                                                                                       |              |     |              |   |
| Diagram         | <pre> graph LR     A[TransportmittelKategorie_CODE_Type] -- restriction --&gt; B[tns:TransportTypeCode_Type] </pre>                                                                                                                                                                                                                                                             |              |     |              |   |
| Type            | tns:TransportTypeCode_Type                                                                                                                                                                                                                                                                                                                                                      |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt             <ul style="list-style-type: none"> <li>tns:INT1                 <ul style="list-style-type: none"> <li>tns:TransportTypeCode_Type                     <ul style="list-style-type: none"> <li>tns:TransportmittelKategorie_CODE_Type</li> </ul> </li> </ul> </li> </ul> </li> </ul>                            |              |     |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                          | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                                                                                                                                                                                                                                                                             |              |     |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                                                               |              |     |              |   |
| Used by         | Element tns:TX_EFSLOG_Type/tns:efsVerkehrsmittelKategorie                                                                                                                                                                                                                                                                                                                       |              |     |              |   |
| Source          | <pre> &lt;xs:simpleType name="TransportmittelKategorie_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ, der die Kompatibilitaet zur BOM Spez. herstellt. Siehe TransportTypeCode_Type. Entfaellt demnaechst.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:TransportTypeCode_Type"/&gt; &lt;/xs:simpleType&gt; </pre> |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                        |              |     |              |   |

### Simple Type tns:Transportserviceart\_CODE\_Type

|             |                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                                      |
| Annotations | Typ, der die Kompatibilitaet zur BOM Spez. herstellt. Siehe TransportTypeCode_Type. Entfaellt demnaechst.      |
| Diagram     | <pre> graph LR     A[Transportserviceart_CODE_Type] -- restriction --&gt; B[tns:TransportTypeCode_Type] </pre> |

|                 |                                                                                                                                                                                                                                                                                                                                                                              |              |     |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Type            | tns:TransportTypeCode_Type                                                                                                                                                                                                                                                                                                                                                   |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:TransportTypeCode_Type</li> <li>tns:Transportserviceart_CODE_Type</li> </ul>                                                                                                                                                                                                            |              |     |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                       | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                                                                                                                                                                                                                                                                          |              |     |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                                                            |              |     |              |   |
| Used by         | Element tns:TX_AFBLOG_Type/tns:afbLogVerkehrsmittelart                                                                                                                                                                                                                                                                                                                       |              |     |              |   |
| Source          | <pre>&lt;xs:simpleType name="Transportserviceart_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ, der die Kompatibilitaet zur BOM Spez. herstellt. Siehe     TransportTypeCode_Type. Entfaellt demnaechst.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:TransportTypeCode_Type"/&gt; &lt;/xs:simpleType&gt;</pre> |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                     |              |     |              |   |

## Complex Type(s)

### Complex Type tns:NmTransaktion\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                          |
| Annotations     | Typ: Datenstruktur Nm_Transaktion_ID                                                                                                                                                                                                                                                                                                                                                                                               |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Used by         | Element tns:AllgemeineTransaktionsdaten/tns:logNmTransaktion_ID                                                                                                                                                                                                                                                                                                                                                                    |
| Model           | tns:samSequenznummer , tns:SAM_ID.samNummer                                                                                                                                                                                                                                                                                                                                                                                        |
| Children        | tns:SAM_ID.samNummer, tns:samSequenznummer                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:complexType name="NmTransaktion_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Datenstruktur Nm_Transaktion_ID&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="samSequenznummer" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="SAM_ID.samNummer" type="ion:SAM_ID_Type"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                           |

### Complex Type tns:Mitnahme\_Type

|             |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                       |
| Annotations | Typ: Datenstruktur Ort_ID                                                                                                                                                                                                                                                                                                                                                                       |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                 |
| Used by     | Elements tns:TX_AFBLOG_Type/tns:afbLogMitnahme, tns:TX_EFSLOG_Type/tns:efsLogMitnahme                                                                                                                                                                                                                                                                                                           |
| Model       | tns:mitnahmeTyp , tns:mitnahmeAnzahl                                                                                                                                                                                                                                                                                                                                                            |
| Children    | tns:mitnahmeAnzahl, tns:mitnahmeTyp                                                                                                                                                                                                                                                                                                                                                             |
| Source      | <pre>&lt;xs:complexType name="Mitnahme_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Datenstruktur Ort_ID&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="mitnahmeTyp" type="tns:Profil_CODE_Type"/&gt;     &lt;xs:element name="mitnahmeAnzahl" type="ct:INT1"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

## Complex Type tns:Linie\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations     | Typ: Die Linie_ID kennzeichnet eine Linie eindeutig im gesamten Geltungsbereich der Kernapplikation                                                                                                                                                                                                                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Used by         | Element tns:LinieVariante_ID_Type/tns:linie_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Model           | tns:linienNummer , tns:linieDomaene_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children        | tns:linieDomaene_ID, tns:linienNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre> &lt;xs:complexType name="Linie_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Die Linie_ID kennzeichnet eine Linie eindeutig im gesamten     Geltungsbereich der Kernapplikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="linienNummer" type="ct:ReferenceNumberTwo"/&gt;     &lt;xs:element name="linieDomaene_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                      |

## Complex Type tns:LinieVariante\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Annotations     | Typ: Die LinieVariante_ID kennzeichnet eine Linienvariante eindeutig im gesamten Geltungsbereich der Kernapplikation                                                                                                                                                                                                                                                                                                                                                                                              |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Used by         | Element tns:TX_BERLOG_Type/tns:berLogLinieVariante_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Model           | tns:variantenNummer , tns:linie_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Children        | tns:linie_ID, tns:variantenNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source          | <pre> &lt;xs:complexType name="LinieVariante_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Die LinieVariante_ID kennzeichnet eine Linienvariante eindeutig im     gesamten Geltungsbereich der Kernapplikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="variantenNummer" type="ct:ReferenceNumberOne"/&gt;     &lt;xs:element name="linie_ID" type="tns:Linie_ID_Type"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                          |

## Complex Type tns:Fahrt\_ID\_Type

|             |                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                           |
| Annotations | Typ: Die Fahrt_ID kennzeichnet eine Fahrt eindeutig im gesamten Geltungsbereich der Kernapplikation |
| Diagram     |                                                                                                     |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Used by         | Element<br>tns:TX_BERLOG_Type/tns:berLogFahrt_ID                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Model           | tns:fahrtNummer , tns:fahrtBetreiber_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children        | tns:fahrtBetreiber_ID, tns:fahrtNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source          | <pre>&lt;xs:complexType name="Fahrt_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Die Fahrt_ID kennzeichnet eine Fahrt eindeutig im gesamten Geltungsbereich der Kernapplikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="fahrtNummer" type="ct:ReferenceNumberThree"/&gt;     &lt;xs:element name="fahrtBetreiber_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                   |

## Complex Type tns:EFSViaOrtsListe\_Type

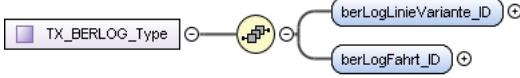
|                 |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                          |
| Annotations     | Typ:Liste der Orte, die bei einer Fahrt durchfahren werden                                                                                                                                                                                                                                                                                                                                         |
| Diagram         | <pre>classDiagram     class EFSViaOrtsListe_Type {         efsViaort_ID 0..3     }</pre>                                                                                                                                                                                                                                                                                                           |
| Used by         | Element<br>tns:TX_EFSLOG_Type/tns:efsViaOrte_IDs                                                                                                                                                                                                                                                                                                                                                   |
| Model           | tns:efsViaort_ID{0,3}                                                                                                                                                                                                                                                                                                                                                                              |
| Children        | tns:efsViaort_ID                                                                                                                                                                                                                                                                                                                                                                                   |
| Source          | <pre>&lt;xs:complexType name="EFSViaOrtsListe_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ:Liste der Orte, die bei einer Fahrt durchfahren werden&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="efsViaort_ID" type="ion:Ort_ID_Type" minOccurs="0" maxOccurs="3"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                           |

## Complex Type tns:TX\_PP\_Type

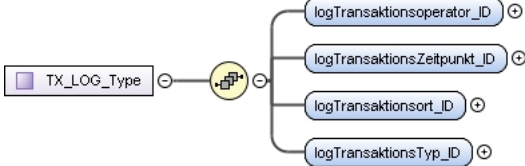
|                 |                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                        |
| Annotations     | Typ: Basisdaten fuer Preise                                                                                                                                                                                                                                                                                                                                                                      |
| Diagram         | <pre>classDiagram     class TX_PP_Type {         ppLeistungsPreis         ppMehrwertsteuer     }</pre>                                                                                                                                                                                                                                                                                           |
| Used by         | Elements<br>tns:TXANLN_Type/tns:txpp, tns:TXAUSEFS_Type/tns:txpp, tns:TXBEKODL_Type/tns:txpp                                                                                                                                                                                                                                                                                                     |
| Model           | tns:ppLeistungsPreis , tns:ppMehrwertsteuer                                                                                                                                                                                                                                                                                                                                                      |
| Children        | tns:ppLeistungsPreis, tns:ppMehrwertsteuer                                                                                                                                                                                                                                                                                                                                                       |
| Source          | <pre>&lt;xs:complexType name="TX_PP_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Preise&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ppLeistungsPreis" type="tns:Amount65535"/&gt;     &lt;xs:element name="ppMehrwertsteuer" type="ct:INT2"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                         |

## Complex Type tns:TX\_BERLOG\_Type

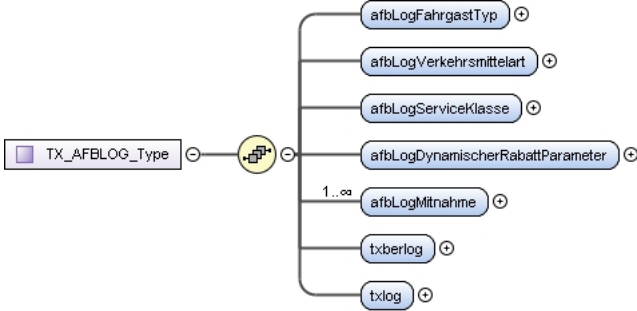
|             |                                                                         |
|-------------|-------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                               |
| Annotations | Typ:Basisdatensatz zur Anzeige von Log-Informationen einer Berechtigung |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                           |
| Used by         | Elements tns:TX_AFBLOG_Type/tns:txberlog, tns:TX_EFSLOG_Type/tns:txberlog                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model           | tns:berLogLinieVariante_ID , tns:berLogFahrt_ID                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Children        | tns:berLogFahrt_ID, tns:berLogLinieVariante_ID                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source          | <pre> &lt;xs:complexType name="TX_BERLOG_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ:Basisdatensatz zur Anzeige von Log-Informationen einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="berLogLinieVariante_ID" type="tns:LinieVariante_ID_Type"/&gt;     &lt;xs:element name="berLogFahrt_ID" type="tns:Fahrt_ID_Type"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                   |

## Complex Type tns:TX\_LOG\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Annotations     | Typ:Basisdatensatz zur Anzeige von Log-Informationen einer Transaktion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Used by         | Elements tns:TX_AFBLOG_Type/tns:txlog, tns:TX_EFSLOG_Type/tns:txlog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model           | tns:logTransaktionsoperator_ID , tns:logTransaktionsZeitpunkt_ID , tns:logTransaktionsort_ID , tns:logTransaktionsTyp_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Children        | tns:logTransaktionsTyp_ID, tns:logTransaktionsZeitpunkt_ID, tns:logTransaktionsoperator_ID, tns:logTransaktionsort_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source          | <pre> &lt;xs:complexType name="TX_LOG_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ:Basisdatensatz zur Anzeige von Log-Informationen einer Transaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="logTransaktionsoperator_ID" type="ka:Organisation_ID"/&gt;     &lt;xs:element name="logTransaktionsZeitpunkt_ID" type="ct:DateTimeCompact"/&gt;     &lt;xs:element name="logTransaktionsort_ID" type="ion:Ort_ID_Type"/&gt;     &lt;xs:element name="logTransaktionsTyp_ID" type="ion:NmTransaktionsTyp_CODE"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Complex Type tns:TX\_AFBLOG\_Type

|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                           |
| Annotations | Typ:Basisdatensatz zur Anzeige von Log-Informationen einer AFB                      |
| Diagram     |  |
| Used by     | Element tns:TXANLN_Type/tns:txafblog                                                |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | tns:afbLogFahrgastTyp, tns:afbLogVerkehrsmittelart, tns:afbLogServiceKlasse, tns:afbLogDynamischerRabattParameter, tns:afbLogMitnahme+, tns:txberlog, tns:txlog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Children        | tns:afbLogDynamischerRabattParameter, tns:afbLogFahrgastTyp, tns:afbLogMitnahme, tns:afbLogServiceKlasse, tns:afbLogVerkehrsmittelart, tns:txberlog, tns:txlog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source          | <pre> &lt;xs:complexType name="TX_AFBLOG_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ:Basisdatensatz zur Anzeige von Log-Informationen einer AFB&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="afbLogFahrgastTyp" type="tns:Kundentyp_CODE_Type"/&gt;     &lt;xs:element name="afbLogVerkehrsmittelart" type="tns:Transportserviceart_CODE_Type"/&gt;     &lt;xs:element name="afbLogServiceKlasse" type="tns:ServiceKlasse_CODE_Type"/&gt;     &lt;xs:element name="afbLogDynamischerRabattParameter" type="ct:OctetString4"/&gt;     &lt;!-- SST 1107 "List of: Mitnahme" 6.5 Tabelle 6-87 --&gt;     &lt;xs:element name="afbLogMitnahme" type="tns:Mitnahme_Type" minOccurs="1" maxOccurs="unbounded"/&gt;     &lt;xs:element name="txberlog" type="tns:TX_BERLOG_Type"/&gt;     &lt;xs:element name="txlog" type="tns:TX_LOG_Type"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

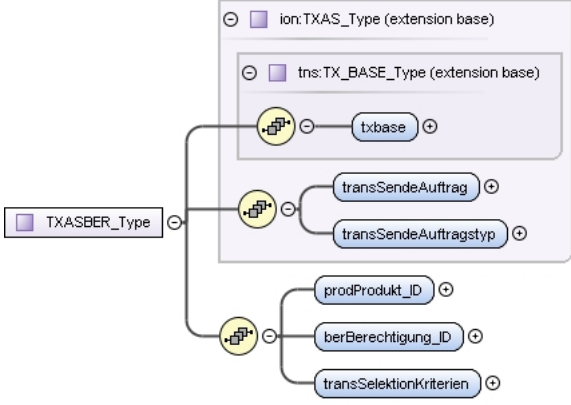
## Complex Type tns:TX\_EFSLOG\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Annotations     | Typ:Basisdatensatz zur Anzeige von Log-Informationen eines EFS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Used by         | Element tns:TXAUSEFS_Type/tns:txefslog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Model           | tns:efsFahrgastTyp, tns:efsVerkehrsmittelKategorie, tns:efsLogServiceKlasse, tns:efsServiceKlasseExtra, tns:efsStartort_ID, tns:efsZielort_ID, tns:efsViaOrte_IDs, tns:efsLogMitnahme+, tns:txberlog, tns:txlog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Children        | tns:efsFahrgastTyp, tns:efsLogMitnahme, tns:efsLogServiceKlasse, tns:efsServiceKlasseExtra, tns:efsStartort_ID, tns:efsVerkehrsmittelKategorie, tns:efsViaOrte_IDs, tns:efsZielort_ID, tns:txberlog, tns:txlog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Source          | <pre> &lt;xs:complexType name="TX_EFSLOG_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ:Basisdatensatz zur Anzeige von Log-Informationen eines EFS&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="efsFahrgastTyp" type="tns:Kundentyp_CODE_Type"/&gt;     &lt;xs:element name="efsVerkehrsmittelKategorie" type="tns:TransportmittelKategorie_CODE_Type"/&gt;     &lt;xs:element name="efsLogServiceKlasse" type="tns:ServiceKlasse_CODE_Type"/&gt;     &lt;xs:element name="efsServiceKlasseExtra" type="tns:ServiceKlasseExtra_CODE_Type"/&gt;     &lt;xs:element name="efsStartort_ID" type="tns:ion:Ort_ID_Type"/&gt;     &lt;xs:element name="efsZielort_ID" type="tns:ion:Ort_ID_Type"/&gt;     &lt;xs:element name="efsViaOrte_IDs" type="tns:EFSViaOrtsListe_Type"/&gt;     &lt;!-- SST 1107 "List of: Mitnahme" 6.5 Tabelle 6-87 --&gt;     &lt;xs:element name="efsLogMitnahme" type="tns:Mitnahme_Type" minOccurs="1" maxOccurs="unbounded"/&gt;     &lt;xs:element name="txberlog" type="tns:TX_BERLOG_Type"/&gt;     &lt;xs:element name="txlog" type="tns:TX_LOG_Type"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Complex Type tns:TX\_ABKEY\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                      |
| Annotations     | Typ: Ableitungsdaten fuer eine Multiberechtigung                                                                                                                                                                                                                                                                                                               |
| Diagram         |                                                                                                                                                                                                                                                                               |
| Used by         | Elements tns:TXAMBER_Type/tns:tx_abkey, tns:TXEMBER_Type/tns:tx_abkey, tns:TXRM-BER_Type/tns:tx_abkey                                                                                                                                                                                                                                                          |
| Model           | tns:berAbleitungsdaten                                                                                                                                                                                                                                                                                                                                         |
| Children        | tns:berAbleitungsdaten                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre> &lt;xs:complexType name="TX_ABKEY_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ableitungsdaten fuer eine Multiberechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="berAbleitungsdaten" type="ct:OctetString10"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                       |

## Complex Type tns:TXASBER\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Annotations     | Typ:Anzeige Leistungsnachweise einer Berechtigung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type            | extension of tns:TXAS_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAS_Type</li> <li>tns:TXASBER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Used by         | Elements tns:TXASBERAFB, tns:TXASBEREFS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Model           | txbase , transSendeAuftrag , transSendeAuftragstyp , tns:prodProdukt_ID , tns:berBerechtigung_ID , tns:transSelektionKriterien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children        | tns:berBerechtigung_ID, tns:prodProdukt_ID, tns:transSelektionKriterien, transSendeAuftrag, transSendeAuftragstyp, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre> &lt;xs:complexType name="TXASBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ:Anzeige Leistungsnachweise einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TXAS_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="prodProdukt_ID" type="ion:EFMProdukt_ID_Type"/&gt;         &lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;         &lt;xs:element name="transSelektionKriterien" type="tns:SelektionKriterien_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Complex Type tns:TXANLN\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Annotations     | Typ:Anzeige Leistungsnachweise einer Berechtigung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXANLN_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Used by         | Element tns:TXANLN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Model           | txbase, tns:prodAbrechnungsVerfahren, tns:berBezahlArt, tns:prodProdukt_ID, tns:berBerechtigung_ID, tns:transSelektionKriterien, tns:txpp, tns:txafblog+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Children        | tns:berBerechtigung_ID, tns:berBezahlArt, tns:prodAbrechnungsVerfahren, tns:prodProdukt_ID, tns:transSelektionKriterien, tns:txafblog, tns:txpp, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source          | <pre> &lt;xs:complexType name="TXANLN_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ:Anzeige Leistungsnachweise einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="prodAbrechnungsVerfahren" type="ion:Abrechnungsverfahren_CODE_Type"/&gt;         &lt;xs:element name="berBezahlArt" type="ion:Bezahlart_CODE_Type"/&gt;         &lt;xs:element name="prodProdukt_ID" type="ion:EFMProdukt_ID_Type"/&gt;         &lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;         &lt;xs:element name="transSelektionKriterien" type="tns:SelektionKriterien_Type"/&gt;         &lt;xs:element name="txpp" type="tns:TX_PP_Type"/&gt;         &lt;xs:element name="txafblog" type="tns:TX_AFBLOG_Type" minOccurs="1" maxOccurs="unbounded"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Complex Type tns:TXAUSEFS\_Type

|             |                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                                                                    |
| Annotations | Typ:Stellt dem kontofuehrenden KVP alle zu einer EFS-Berechtigung bei einem PV erfassten Daten zur Anzeige fuer Servicezwecke zur Verfuegung |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAUSEFS_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by         | Element tns:TXAUSEFS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Model           | txbase , tns:prodAbrechnungsVerfahren , tns:berBezahlMittel , tns:berBezahlArt , tns:prodProdukt_ID , tns:berBerechtigung_ID , tns:transSelektionKriterien , tns:txpp , tns:txefslog+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children        | tns:berBerechtigung_ID, tns:berBezahlArt, tns:berBezahlMittel, tns:prodAbrechnungsVerfahren, tns:prodProdukt_ID, tns:transSelektionKriterien, tns:txefslog, tns:txpp, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source          | <pre> &lt;xs:complexType name="TXAUSEFS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ:Stellt dem kontofuehrenden KVP alle zu einer EFS-Berechtigung bei einem PV     erfassten Daten zur Anzeige fuer Servicezwecke zur Verfuegung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="prodAbrechnungsVerfahren" type="ion:Abrechnungsverfahren_CODE_Type"/&gt;         &lt;xs:element name="berBezahlMittel" type="ct:OctetString10"/&gt;         &lt;xs:element name="berBezahlArt" type="ion:Bezahlart_CODE_Type"/&gt;         &lt;xs:element name="prodProdukt_ID" type="ion:EFMProdukt_ID_Type"/&gt;         &lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;         &lt;xs:element name="transSelektionKriterien" type="tns:SelektionKriterien_Type"/&gt;         &lt;xs:element name="txpp" type="tns:TX_PP_Type"/&gt;         &lt;xs:element name="txefslog" type="tns:TX_EFSLOG_Type" minOccurs="1" maxOccurs="unbounded"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Complex Type tns:TXADM\_Type

|                |                                                                                            |
|----------------|--------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                  |
| Annotations    | Typ: Antwort auf Anfrage wegen Defektem Medium                                             |
| Diagram        |                                                                                            |
| Type           | extension of tns:TX_BASE_Type                                                              |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXADM_Type</li> </ul> |
| Used by        | Element tns:TXADM                                                                          |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | txbase , tns:transMediennummer , tns:transappInstanz_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Children        | tns:transMediennummer, tns:transappInstanz_ID, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source          | <pre> &lt;xs:complexType name="TXADM_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Antwort auf Anfrage wegen Defektem Medium&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="transMediennummer" type="ct:OctetString10"/&gt;         &lt;xs:element name="transappInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Complex Type tns:TXABER\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                  |         |            |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|---------|------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                  |         |            |
| Annotations     | Typ: Ausgabe einer Berechtigung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                  |         |            |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                  |         |            |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                  |         |            |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXABER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                  |         |            |
| Used by         | <table> <tr> <td>Complex Type</td><td>tns:TXAMBER_Type</td></tr> <tr> <td>Element</td><td>tns:TXABER</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Complex Type | tns:TXAMBER_Type | Element | tns:TXABER |
| Complex Type    | tns:TXAMBER_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                  |         |            |
| Element         | tns:TXABER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                  |         |            |
| Model           | txbase , tns:tx_ber , tns:berechtigungTarifbereich , tns:berechtigungTarifbereichZusatz{0,1} , tns:ausgabeTransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                  |         |            |
| Children        | tns:ausgabeTransaktionBerechtigung, tns:berNmTransaktionMAC, tns:berechtigungTarifbereich, tns:berechtigungTarifbereichZusatz, tns:tx_ber, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                  |         |            |
| Source          | <pre> &lt;xs:complexType name="TXABER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ausgabe einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="tx_ber" type="ion:TX_BER_Type"/&gt;         &lt;xs:element name="berechtigungTarifbereich" type="xs:hexBinary"/&gt;         &lt;!-- Wegen TXABER in TXANTWORT in PE-Spez ist dieses Element optional --&gt;         &lt;xs:element name="berechtigungTarifbereichZusatz" type="xs:hexBinary" minOccurs="0"/&gt;         &lt;xs:element name="ausgabeTransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |              |                  |         |            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                  |         |            |

## Complex Type tns:TXEBER\_Type

|           |                           |
|-----------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
|-----------|---------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                  |         |            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|---------|------------|
| Annotations     | Typ: Erfassung einer Berechtigungstransaktion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                  |         |            |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                  |         |            |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                  |         |            |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXEBER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                  |         |            |
| Used by         | <table> <tr> <td>Complex Type</td><td>tns:TXEMBER_Type</td></tr> <tr> <td>Element</td><td>tns:TXEBER</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Complex Type | tns:TXEMBER_Type | Element | tns:TXEBER |
| Complex Type    | tns:TXEMBER_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                  |         |            |
| Element         | tns:TXEBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                  |         |            |
| Model           | txbase , tns:fahrttransaktion , tns:berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                  |         |            |
| Children        | tns:berNmTransaktionMAC, tns:fahrttransaktion, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                  |         |            |
| Source          | <pre> &lt;xs:complexType name="TXEBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Erfassung einer Berechtigungstransaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |              |                  |         |            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                  |         |            |

## Complex Type tns:TXAEBER\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |             |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |             |
| Annotations    | Typ: Aenderung einer Berechtigung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |             |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |             |
| Type           | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |             |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAEBER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |             |
| Used by        | <table> <tr> <td>Element</td><td>tns:TXAEBER</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Element | tns:TXAEBER |
| Element        | tns:TXAEBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |             |
| Model          | txbase , tns:tx_ber , tns:berechtigungTarifbereich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |             |
| Children       | tns:berechtigungTarifbereich, tns:tx_ber, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |             |
| Source         | <pre> &lt;xs:complexType name="TXAEBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Aenderung einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="tx_ber" type="ion:TX_BER_Type"/&gt;         &lt;xs:element name="berechtigungTarifbereich" type="xs:hexBinary"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |         |             |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|

## Complex Type tns:TXAENBER\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Annotations     | Typ: Aenderung der Nutzertarifparameter einer Berechtigung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAENBER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Used by         | Element tns:TXAENBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | txbase , tns:fahrttransaktion , tns:berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Children        | tns:berNmTransaktionMAC, tns:fahrttransaktion, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source          | <pre> &lt;xs:complexType name="TXAENBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Aenderung der Nutzertarifparameter einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Complex Type tns:TXRBER\_Type

|                |                                                                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                       |
| Annotations    | Typ: Ruecknahme einer Berechtigung                                                                                                                                                              |
| Diagram        |                                                                                                                                                                                                 |
| Type           | extension of tns:TX_BASE_Type                                                                                                                                                                   |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXRBER_Type</li> </ul>                                                                                                     |
| Used by        | Complex Type tns:TXRMBER_Type<br>Element tns:TXRBER                                                                                                                                             |
| Model          | txbase , tns:ruecknahmeTransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                        |
| Children       | tns:berNmTransaktionMAC, tns:ruecknahmeTransaktionBerechtigung, txbase                                                                                                                          |
| Source         | <pre> &lt;xs:complexType name="TXRBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ruecknahme einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre> |

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|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:complexContent&gt;   &lt;xs:extension base="ion:TX_BASE_Type"&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="ruecknahmeTransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;       &lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:extension&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                            |

## Complex Type tns:TXAMBER\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations     | Typ: Ausgabemeldung einer Multiberechtigung                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type            | extension of tns:TXABER_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXABER_Type</li> <li>tns:TXAMBER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                          |
| Used by         | Element tns:TXAMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | txbase, tns:tx_ber, tns:berechtigungTarifbereich, tns:berechtigungTarifbereichZusatz{0,1}, tns:ausgabeTransaktionBerechtigung, tns:berNmTransaktionMAC, tns:tx_abkey                                                                                                                                                                                                                                                                                                                           |
| Children        | tns:ausgabeTransaktionBerechtigung, tns:berNmTransaktionMAC, tns:berechtigungTarifbereich, tns:berechtigungTarifbereichZusatz, tns:tx_abkey, tns:tx_ber, txbase                                                                                                                                                                                                                                                                                                                                |
| Source          | <pre> &lt;xs:complexType name="TXAMBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ausgabemeldung einer Multiberechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TXABER_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="tx_abkey" type="tns:TX_ABKEY_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                       |

## Complex Type tns:TXEMBER\_Type

|             |                                        |
|-------------|----------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2              |
| Annotations | Typ: Erfassung einer Multiberechtigung |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Type            | extension of tns:TXEBER_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXEBER_Type</li> <li>tns:TXEMBER_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                     |
| Used by         | Element tns:TXEMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Model           | txbase , tns:fahrttransaktion , tns:berNmTransaktionMAC , tns:tx_abkey                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children        | tns:berNmTransaktionMAC, tns:fahrttransaktion, tns:tx_abkey, txbase                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Source          | <pre> &lt;xs:complexType name="TXEMBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Erfassung einer Multiberechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TXEBER_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="tx_abkey" type="tns:TX_ABKEY_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                  |

## Complex Type tns:TXRMBER\_Type

|                |                                                                                                                                                                                                       |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                             |
| Annotations    | Typ: Ruecknahme einer Multiberechtigung                                                                                                                                                               |
| Diagram        |                                                                                                                                                                                                       |
| Type           | extension of tns:TXRBER_Type                                                                                                                                                                          |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXRBER_Type</li> <li>tns:TXRMBER_Type</li> </ul>                                                                                 |
| Used by        | Element tns:TXRMBER                                                                                                                                                                                   |
| Model          | txbase , tns:ruecknahmeTransaktionBerechtigung , tns:berNmTransaktionMAC , tns:tx_abkey                                                                                                               |
| Children       | tns:berNmTransaktionMAC, tns:ruecknahmeTransaktionBerechtigung, tns:tx_abkey, txbase                                                                                                                  |
| Source         | <pre> &lt;xs:complexType name="TXRMBER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ruecknahme einer Multiberechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre> |

|                 |                                                                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:annotation&gt; &lt;xs:complexContent&gt;   &lt;xs:extension base="tns:TXRBER_Type"&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="tx_abkey" type="tns:TX_ABKEY_Type"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:extension&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                   |

## Complex Type tns:TXASKON\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Annotations     | Typ: Anforderung eines neuen Kontingentes fuer einen PV-Schluessel im SAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Diagram         | <pre> classDiagram     class ionTXAS_Type["ion:TXAS_Type (extension base)"]     class tnsTX_BASE_Type["tns:TX_BASE_Type (extension base)"]     class TXASKON_Type["TXASKON_Type"]     class txbase     class transSendeAuftrag     class transSendeAuftragstyp     class samSAM_ID     class samSchluessel_ID     class samLoadKeyZaehler     class samNutzungsLimitNeu      ionTXAS_Type -- &gt; tnsTX_BASE_Type     tnsTX_BASE_Type -- &gt; TXASKON_Type     TXASKON_Type -- txbase     TXASKON_Type -- transSendeAuftrag     TXASKON_Type -- transSendeAuftragstyp     TXASKON_Type -- samSAM_ID     TXASKON_Type -- samSchluessel_ID     TXASKON_Type -- samLoadKeyZaehler     TXASKON_Type -- samNutzungsLimitNeu </pre>                            |
| Type            | extension of tns:TXAS_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAS_Type</li> <li>tns:TXASKON_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Used by         | Element tns:TXASKON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Model           | txbase , transSendeAuftrag , transSendeAuftragstyp , tns:samSAM_ID , tns:samSchluessel_ID , tns:samLoadKeyZaehler , tns:samNutzungsLimitNeu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Children        | tns:samLoadKeyZaehler, tns:samNutzungsLimitNeu, tns:samSAM_ID, tns:samSchluessel_ID, transSendeAuftrag, transSendeAuftragstyp, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Source          | <pre> &lt;xs:complexType name="TXASKON_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Anforderung eines neuen Kontingentes fuer einen PV-Schluessel im SAM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TXAS_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="samSAM_ID" type="ion:SAM_ID_Type"/&gt;         &lt;xs:element name="samSchluessel_ID" type="ion:SymSchluessel_ID_Type"/&gt;         &lt;xs:element name="samLoadKeyZaehler" type="ct:INT4"/&gt;         &lt;xs:element name="samNutzungsLimitNeu" type="ct:INT4"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Complex Type tns:TXUEBERKON\_Type

|             |                                                                       |
|-------------|-----------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                             |
| Annotations | Typ: Genehmigung eines neuen Kontingentes fuer einen PV-Schluessel im |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | SAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXUEBERKON_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by         | Element tns:TXUEBERKON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Model           | txbase , tns:samSAM_ID , tns:samSchluessel_ID , tns:samLoadKeyZaehler , tns:samNutzungsLimitGen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Children        | tns:samLoadKeyZaehler, tns:samNutzungsLimitGen, tns:samSAM_ID, tns:samSchluessel_ID, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Source          | <pre> &lt;xs:complexType name="TXUEBERKON_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Genehmigung eines neuen Kontingentes fuer einen PV-Schluessel im SAM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="samSAM_ID" type="ion:SAM_ID_Type"/&gt;         &lt;xs:element name="samSchluessel_ID" type="ion:SymSchluessel_ID_Type"/&gt;         &lt;xs:element name="samLoadKeyZaehler" type="ct:INT4"/&gt;         &lt;xs:element name="samNutzungsLimitGen" type="ct:INT4"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Complex Type tns:TXBEKODL\_Type

|                |                                                                                                                                                                                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                             |
| Annotations    | Typ: Transaktionsdatensatz (vom PV an den KVP) fuer eine Belastung des Kundenkontos nach Berechnung des Leistungspreises beim PV (aufgrund uebermittelter Fahrttransaktionen vom DL). |
| Diagram        |                                                                                                                                                                                       |
| Type           | extension of tns:TX_BASE_Type                                                                                                                                                         |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXBEKODL_Type</li> </ul>                                                                                         |
| Used by        | Element tns:TXBEKODL                                                                                                                                                                  |
| Model          | txbase , tns:berBerechtigung_ID , tns:txpp , tns:fahrttransaktion+ , tns:berNmTransaktionMAC                                                                                          |
| Children       | tns:berBerechtigung_ID, tns:berNmTransaktionMAC, tns:fahrttransaktion, tns:txpp, txbase                                                                                               |
| Source         | <pre> &lt;xs:complexType name="TXBEKODL_Type"&gt;   &lt;xs:annotation&gt; </pre>                                                                                                      |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:documentation&gt;Typ: Transaktionsdatensatz (vom PV an den KVP) fuer eine Belastung des Kundenkontos nach Berechnung des Leistungspreises beim PV (aufgrund uebermittelter Fahrtransaktionen vom DL).&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;xs:complexContent&gt;   &lt;xs:extension base="ion:TX_BASE_Type"&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;       &lt;xs:element name="txpp" type="tns:TX_PP_Type"/&gt;       &lt;xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type" maxOccurs="unbounded"/&gt;       &lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:extension&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Complex Type tns:TXBEWEBKOKVP\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Annotations     | Gemeinsamer Typ: Belastung POB/PEB/WEB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXBEWEBKOKVP_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by         | Elements tns:TXBEKOKVP, tns:TXBEWEBKVP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Model           | txbase, tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Children        | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source          | <pre> &lt;xs:complexType name="TXBEWEBKOKVP_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Gemeinsamer Typ: Belastung POB/PEB/WEB&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="belastungstransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Complex Type tns:TXGKO\_Type

|             |                               |
|-------------|-------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2     |
| Annotations | Typ: Gutschrift POB/PEB       |
| Diagram     |                               |
| Type        | extension of tns:TX_BASE_Type |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type hierarchy  | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TXGKO_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Used by         | Element tns:TXGKO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Model           | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Children        | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source          | <pre> &lt;xs:complexType name="TXGKO_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Gutschrift POB/PEB&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="belastungstransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Complex Type tns:TXGWEB\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Annotations     | Typ: Gutschrift WEB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Type hierarchy  | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TXGWEB_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Used by         | Element tns:TXGWEB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Model           | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Children        | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source          | <pre> &lt;xs:complexType name="TXGWEB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Gutschrift WEB&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="belastungstransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Complex Type tns:TXKNAWA\_Type

|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                          |
| Annotations | Typ: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder ungültigen Applikation |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXKNAWA_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Used by         | Element tns:TXKNAWA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Model           | txbase , tns:logTransaktionsOperator_ID , tns:logTerminal_ID , tns:logTransaktionsZeitpunkt , tns:logTransaktionsOrt_ID , tns:logValidationCode , tns:applInstanz_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Children        | tns:applInstanz_ID, tns:logTerminal_ID, tns:logTransaktionsOperator_ID, tns:logTransaktionsOrt_ID, tns:logTransaktionsZeitpunkt, tns:logValidationCode, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source          | <pre> &lt;xs:complexType name="TXKNAWA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder ungeltigen Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="logTransaktionsOperator_ID" type="ct:ReferenceNumberTwo"/&gt;         &lt;xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type"/&gt;         &lt;xs:element name="logTransaktionsZeitpunkt" type="ct:DateTimeCompact"/&gt;         &lt;xs:element name="logTransaktionsOrt_ID" type="ion:Ort_ID_Type"/&gt;         &lt;xs:element name="logValidationCode" type="tns:Validation_CODE_Type"/&gt;         &lt;xs:element name="applInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Complex Type tns:TXKNAWB\_Type

|             |                                                                                                                                                                 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                                                                                                                                       |
| Annotations | Typ: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder ungeltigen Berechtigung oder einer gueltigen statischen Berechtigung (z.B. Barcode) |
| Diagram     |                                                                                                                                                                 |
| Type        | extension of tns:TX_BASE_Type                                                                                                                                   |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type hierarchy  | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TXKNAWB_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Used by         | Element tns:TXKNAWB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Model           | txbase , tns:logTransaktionsOperator_ID , tns:logTerminal_ID , tns:logTransaktionsZeitpunkt , tns:logTransaktionsOrt_ID , tns:logValidationCode , tns:berBerechtigung_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Children        | tns:berBerechtigung_ID, tns:logTerminal_ID, tns:logTransaktionsOperator_ID, tns:logTransaktionsOrt_ID, tns:logTransaktionsZeitpunkt, tns:logValidationCode, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Source          | <pre> &lt;xs:complexType name="TXKNAWB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder ungultigen Berechtigung oder einer gueltigen statischen Berechtigung (z.B. Barcode)&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="logTransaktionsOperator_ID" type="ct:ReferenceNumberTwo"/&gt;         &lt;xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type"/&gt;         &lt;xs:element name="logTransaktionsZeitpunkt" type="ct:DateTimeCompact"/&gt;         &lt;xs:element name="logTransaktionsOrt_ID" type="ion:Ort_ID_Type"/&gt;         &lt;xs:element name="logValidationCode" type="tns:Validation_CODE_Type"/&gt;         &lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Complex Type tns:TXLPEB\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Annotations     | Typ: Laden eines PEB-Kontos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Type hierarchy  | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TXLPEB_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Used by         | Element tns:TXLPEB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Model           | txbase , tns:ezahlungsbelegBerechtigung , tns:berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children        | tns:berNmTransaktionMAC, tns:ezahlungsbelegBerechtigung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source          | <pre> &lt;xs:complexType name="TXLPEB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Laden eines PEB-Kontos&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="ezahlungsbelegBerechtigung" type="ion:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Complex Type tns:TXSANFB\_Type

|           |                           |
|-----------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
|-----------|---------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                   |         |             |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|---------|-------------|
| Annotations     | Typ: Sperranforderung fuer eine Berechtigung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                   |         |             |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                   |         |             |
| Type            | extension of tns:TX_SANF_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                   |         |             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFB_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                   |         |             |
| Used by         | <table> <tr> <td>Complex Type</td><td>tns:TXSAANFB_Type</td></tr> <tr> <td>Element</td><td>tns:TXSANFB</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Complex Type | tns:TXSAANFB_Type | Element | tns:TXSANFB |
| Complex Type    | tns:TXSAANFB_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                   |         |             |
| Element         | tns:TXSANFB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                   |         |             |
| Model           | txbase , sperrSperrgrund , tns:berBerechtigung_ID , tns:prodProdukt_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                   |         |             |
| Children        | sperrSperrgrund, tns:berBerechtigung_ID, tns:prodProdukt_ID, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |                   |         |             |
| Source          | <pre> &lt;xs:complexType name="TXSANFB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperranforderung fuer eine Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_SANF_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/&gt;         &lt;xs:element name="prodProdukt_ID" type="ion:EFMPprodukt_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |              |                   |         |             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                   |         |             |

## Complex Type tns:TXSANFA\_Type

|                |                                                                                                                           |              |                   |         |             |
|----------------|---------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|---------|-------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                 |              |                   |         |             |
| Annotations    | Typ: Sperranforderung fuer eine Applikation                                                                               |              |                   |         |             |
| Diagram        |                                                                                                                           |              |                   |         |             |
| Type           | extension of tns:TX_SANF_Type                                                                                             |              |                   |         |             |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFA_Type</li> </ul>    |              |                   |         |             |
| Used by        | <table> <tr> <td>Complex Type</td><td>tns:TXSAANFA_Type</td></tr> <tr> <td>Element</td><td>tns:TXSANFA</td></tr> </table> | Complex Type | tns:TXSAANFA_Type | Element | tns:TXSANFA |
| Complex Type   | tns:TXSAANFA_Type                                                                                                         |              |                   |         |             |
| Element        | tns:TXSANFA                                                                                                               |              |                   |         |             |
| Model          | txbase , sperrSperrgrund , tns:appInstanz_ID                                                                              |              |                   |         |             |
| Children       | sperrSperrgrund, tns:appInstanz_ID, txbase                                                                                |              |                   |         |             |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source          | <pre> &lt;xs:complexType name="TXSANFA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperranforderung fuer eine Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_SANF_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                            |

## Complex Type tns:TXSAANFA\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                               |
| Annotations     | Typ: Sperraufhebungsanforderung fuer eine Applikation                                                                                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                         |
| Type            | extension of tns:TXSANFA_Type                                                                                                                                                                                                                                                                                                                           |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type             <ul style="list-style-type: none"> <li>tns:TX_SANF_Type                 <ul style="list-style-type: none"> <li>tns:TXSANFA_Type                     <ul style="list-style-type: none"> <li>tns:TXSAANFA_Type</li> </ul> </li> </ul> </li> </ul> </li> </ul>                         |
| Used by         | Element tns:TXSAANFA                                                                                                                                                                                                                                                                                                                                    |
| Model           | txbase , sperrSperrgrund , tns:applInstanz_ID                                                                                                                                                                                                                                                                                                           |
| Children        | sperrSperrgrund, tns:applInstanz_ID, txbase                                                                                                                                                                                                                                                                                                             |
| Source          | <pre> &lt;xs:complexType name="TXSAANFA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperraufhebungsanforderung fuer eine Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TXSANFA_Type"/&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                |

## Complex Type tns:TXSAANFB\_Type

|             |                                                        |
|-------------|--------------------------------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2                              |
| Annotations | Typ: Sperraufhebungsanforderung fuer eine Berechtigung |

|                 |                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                          |
| Type            | extension of tns:TXSANFB_Type                                                                                                                                                                                                                                                                                                                            |
| Type hierarchy  | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TX_SANF_Type</li> <li>• tns:TXSANFB_Type</li> <li>• tns:TXSAANFB_Type</li> </ul>                                                                                                                                                                                                |
| Used by         | Element tns:TXSAANFB                                                                                                                                                                                                                                                                                                                                     |
| Model           | txbase , sperrSperrgrund , tns:berBerechtigung_ID , tns:prodProdukt_ID                                                                                                                                                                                                                                                                                   |
| Children        | sperrSperrgrund, tns:berBerechtigung_ID, tns:prodProdukt_ID, txbase                                                                                                                                                                                                                                                                                      |
| Source          | <pre> &lt;xs:complexType name="TXSAANFB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperraufhebungsanforderung fuer eine Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TXSANFB_Type"/&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                 |

## Complex Type tns:TXSMITB\_Type

|                |                                                                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                       |
| Annotations    | Typ: Sperrmitteilung Berechtigung                                                                                                                                                               |
| Diagram        |                                                                                                                                                                                                 |
| Type           | extension of tns:TX_SMIT_Type                                                                                                                                                                   |
| Type hierarchy | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TX_SMIT_Type</li> <li>• tns:TXSMITB_Type</li> </ul>                                                                    |
| Used by        | Element tns:TXSMITB                                                                                                                                                                             |
| Model          | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:berSperrkandidat                                                                                                                       |
| Children       | sperrAnforderungBezug, sperrEntscheidung, tns:berSperrkandidat, txbase                                                                                                                          |
| Source         | <pre> &lt;xs:complexType name="TXSMITB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrmitteilung Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre> |

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|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:annotation&gt; &lt;xs:complexContent&gt;   &lt;xs:extension base="ion:TX_SMIT_Type"&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="berSperrkandidat" type="ion:Berechtigung_ID_Type"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:extension&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                   |

## Complex Type tns:TXSMITO\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations     | Typ: Sperrmitteilung Organisation                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITO_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                         |
| Used by         | Element tns:TXSMITO                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | txbase, sperrAnforderungBezug, sperrEntscheidung, tns:orgSperrkandidat                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:orgSperrkandidat, txbase                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre> &lt;xs:complexType name="TXSMITO_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrmitteilung Organisation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                       |

## Complex Type tns:TXSMITS\_Type

|             |                           |
|-------------|---------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Sperrmitteilung SAM  |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITS_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                             |
| Used by         | Element tns:TXSMITS                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:samSperrkandidat                                                                                                                                                                                                                                                                                                                                                                                                          |
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:samSperrkandidat, txbase                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source          | <pre> &lt;xs:complexType name="TXSMITS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrmitteilung SAM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="samSperrkandidat" type="ion:SAM_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                           |

## Complex Type tns:TXSFREIMITB\_Type

|                |                                                                                                                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                   |
| Annotations    | Typ: Sperrfreigabemitteilung Berechtigung                                                                                                                                                                   |
| Diagram        |                                                                                                                                                                                                             |
| Type           | extension of tns:TX_SMIT_Type                                                                                                                                                                               |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITB_Type</li> </ul>                                                                                  |
| Used by        | Element tns:TXSFREIMITB                                                                                                                                                                                     |
| Model          | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:berSperrkandidat                                                                                                                                   |
| Children       | sperrAnforderungBezug, sperrEntscheidung, tns:berSperrkandidat, txbase                                                                                                                                      |
| Source         | <pre> &lt;xs:complexType name="TXSFREIMITB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre> |

|                 |                                                                                                                                                                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:complexContent&gt;   &lt;xs:extension base="ion:TX_SMIT_Type"&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="berSperrkandidat" type="ion:Berechtigung_ID_Type"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:extension&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                            |

## Complex Type tns:TXSFREIMITO\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Typ: Sperrfreigabemitteilung Organisation                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITO_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                 |
| Used by         | Element tns:TXSFREIMITO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:orgSperrkandidat                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:orgSperrkandidat, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source          | <pre> &lt;xs:complexType name="TXSFREIMITO_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung Organisation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                                   |

## Complex Type tns:TXSFREIMITS\_Type

|             |                                  |
|-------------|----------------------------------|
| Namespace   | http://vdv/ka/kvp-dl-pv/2        |
| Annotations | Typ: Sperrfreigabemitteilung SAM |
| Diagram     |                                  |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type <ul style="list-style-type: none"> <li>tns:TX_SMIT_Type <ul style="list-style-type: none"> <li>tns:TXSFREIMITS_Type</li> </ul> </li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                 |
| Used by         | Element tns:TXSFREIMITS                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:samSperrkandidat                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Children        | sperrAnforderungBezug, sperrEntscheidung, tns:samSperrkandidat, txbase                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre> &lt;xs:complexType name="TXSFREIMITS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung SAM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="samSperrkandidat" type="ion:SAM_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd                                                                                                                                                                                                                                                                                                                                                                       |

## Complex Type tns:TXTRANSABBRUCH\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/kvp-dl-pv/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations    | Typ: Daten fuer unvollstaendig ausgefuehrte NM-Transaktion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Type           | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type <ul style="list-style-type: none"> <li>tns:TXTRANSABBRUCH_Type</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Used by        | Element tns:TXTRANSABBRUCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Model          | txbase , tns:AllgemeineTransaktionsdaten , tns:MKAH-PV-NM-MAC_ID{0,1} , tns:MKAH-PV-Nutzungszaehler{0,1} , tns:MKKVP--NM-MAC_ID{0,1} , tns:MKKVP-Nutzungszaehler{0,1}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Children       | tns:AllgemeineTransaktionsdaten, tns:MKAH-PV-NM-MAC_ID, tns:MKAH-PV-Nutzungszaehler, tns:MKKVP--NM-MAC_ID, tns:MKKVP-Nutzungszaehler, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source         | <pre> &lt;xs:complexType name="TXTRANSABBRUCH_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Daten fuer unvollstaendig ausgefuehrte NM-Transaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element ref="tns:AllgemeineTransaktionsdaten"/&gt;         &lt;xs:element name="MKAH-PV-NM-MAC_ID" type="ion:SymSchluessel_ID_Type" minOccurs="0" maxOccurs="1"/&gt;         &lt;xs:element name="MKAH-PV-Nutzungszaehler" type="ct:ReferenceNumberFour" minOccurs="0" maxOccurs="1"/&gt;         &lt;xs:element name="MKKVP--NM-MAC_ID" type="ion:SymSchluessel_ID_Type" minOccurs="0" maxOccurs="1"/&gt;         &lt;xs:element name="MKKVP-Nutzungszaehler" type="ct:ReferenceNumberFour" minOccurs="0" maxOccurs="1"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |

|                 |                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre>                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

**Namespace: "http://vdv/ka/common/types/2"**

## Schema(s)

### Imported schema XML - Schema\_Common\_Types . xsd

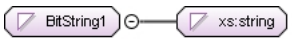
|                 |                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                   |
| Properties      | attribute form default: unqualified                                                                                            |
|                 | element form default: unqualified                                                                                              |
|                 | version: 1.13.0                                                                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd |

## Simple Type(s)

### Simple Type tns:INT1

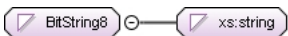
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Annotations     | Integer der den positiven Zahlenraum eines Bytes umfasst                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                |
| Type            | restriction of xs:unsignedInt                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Facets          | maxInclusive 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                 | minInclusive 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Used by         | Simple Types<br>tns:Abrechnungsverfahren_CODE_Type, tns:AuftragsTyp_CODE, tns:Bezahlart_CODE_Type, tns:CommonServiceResultCode, tns:KommunikationsPartnerRolle, tns:Kundentyp_CODE_Type, tns:NmTransaktionsTyp_CODE, tns:OrtsTyp_CODE_Type, tns:Profil_CODE_Type, tns:ReferenceNumberOne, tns:SequenceNumberOne, tns:ServiceKlasseExtra_CODE_Type, tns:ServiceKlasse_CODE_Type, tns:StatusCode, tns:TerminalTyp_CODE_Type, tns:TransportTypeCode_Type, tns:Validation_CODE_Type |
|                 | Elements<br>tns:AllgemeineTransaktionsdaten/tns:logTransaktionsTyp.code, tns:ION_TX_HEADER_Type/transSignaturTyp, tns:ION_TX_HEADER_Type/transStatus, tns:ION_TX_HEADER_Type/transTransaktionsTyp, tns:ION_TX_HEADER_Type/transWiederholungsZaehler, tns:Mitnahme_Type/tns:mitnahmeAnzahl, tns:SymSchluessel_ID_Type/schluesselNummer, tns:SymSchluessel_ID_Type/schluesselVersion, tns:TXA_Type/transAblehnungGrund, tns:TX_SANF_Type/sperrSperrgrund                          |
| Source          | <pre>&lt;xs:simpleType name="INT1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum eines Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:unsignedInt"&gt;     &lt;xs:minInclusive value="0"/&gt;     &lt;xs:maxInclusive value="255"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>                                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                                                                                                  |

### Simple Type tns:BitString1

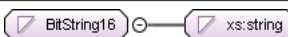
|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/types/2                                                        |
| Annotations | String mit Laenge von 1 Zeichen, das nur "0" oder "1" enthalten darf                |
| Diagram     |  |
| Type        | restriction of xs:string                                                            |
| Facets      | length 1                                                                            |
|             | pattern [0-1]                                                                       |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source          | <pre>&lt;xs:simpleType name="BitString1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;String mit Laenge von 1 Zeichen, das nur "0" oder "1" enthalten darf&lt;/   &lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:length value="1" fixed="true"/&gt;     &lt;xs:pattern value="[0-1]"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                                       |

## Simple Type tns:BitString8

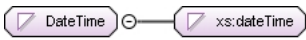
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |   |         |                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---------|------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                                                                               |        |   |         |                                          |
| Annotations     | String mit Laenge von 8 Zeichen, die nur "0" oder "1" enthalten duerfen                                                                                                                                                                                                                                                                                                                                                                                    |        |   |         |                                          |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                           |        |   |         |                                          |
| Type            | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |   |         |                                          |
| Facets          | <table> <tr> <td>length</td><td>8</td></tr> <tr> <td>pattern</td><td>[0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]</td></tr> </table>                                                                                                                                                                                                                                                                                                                           | length | 8 | pattern | [0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1] |
| length          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |   |         |                                          |
| pattern         | [0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]                                                                                                                                                                                                                                                                                                                                                                                                                   |        |   |         |                                          |
| Source          | <pre>&lt;xs:simpleType name="BitString8"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;String mit Laenge von 8 Zeichen, die nur "0" oder "1" enthalten duerfen&lt;/   &lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:length value="8" fixed="true"/&gt;     &lt;xs:pattern value="[0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |        |   |         |                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                                                                             |        |   |         |                                          |

## Simple Type tns:BitString16

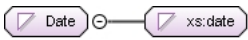
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |    |         |                                                                             |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|---------|-----------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |    |         |                                                                             |
| Annotations     | String mit Laenge von 16 Zeichen, die nur "0" oder "1" enthalten duerfen                                                                                                                                                                                                                                                                                                                                                                                                                         |        |    |         |                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                               |        |    |         |                                                                             |
| Type            | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |    |         |                                                                             |
| Facets          | <table> <tr> <td>length</td><td>16</td></tr> <tr> <td>pattern</td><td>[0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]</td></tr> </table>                                                                                                                                                                                                                                                                                                                             | length | 16 | pattern | [0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1] |
| length          | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |    |         |                                                                             |
| pattern         | [0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]                                                                                                                                                                                                                                                                                                                                                                                                                      |        |    |         |                                                                             |
| Used by         | Element tns:ION_TX_HEADER_Type/transVersion                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |    |         |                                                                             |
| Source          | <pre>&lt;xs:simpleType name="BitString16"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;String mit Laenge von 16 Zeichen, die nur "0" oder "1" enthalten duerfen&lt;/   &lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:length value="16" fixed="true"/&gt;     &lt;xs:pattern value="[0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |        |    |         |                                                                             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                                                                                                                   |        |    |         |                                                                             |

## Simple Type tns:DateTime

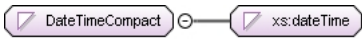
|           |                              |
|-----------|------------------------------|
| Namespace | http://vdv/ka/common/types/2 |
|-----------|------------------------------|

|                 |                                                                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | Datum mit Uhrzeit (nutzt den Standard)                                                                                                                                                                                                                            |
| Diagram         |                                                                                                                                                                                  |
| Type            | xs:dateTime                                                                                                                                                                                                                                                       |
| Used by         | Element tns:ION_TX_HEADER_Type/transTransaktionsZeitpunkt<br>Simple Type tns:SelektionKriterien_Type                                                                                                                                                              |
| Source          | <pre>&lt;xs:simpleType name="DateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Datum mit Uhrzeit (nutzt den Standard)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:dateTime"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                    |

## Simple Type tns:Date

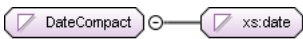
|                 |                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                               |
| Annotations     | Datum ohne Uhrzeit (nutzt den Standard)                                                                                                                                                                                                                    |
| Diagram         |                                                                                                                                                                           |
| Type            | xs:date                                                                                                                                                                                                                                                    |
| Used by         | Element tns:TXDEABER_Req_Type/prodAkzeptanzEnde                                                                                                                                                                                                            |
| Source          | <pre>&lt;xs:simpleType name="Date"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Datum ohne Uhrzeit (nutzt den Standard)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:date"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                             |

## Simple Type tns:DateTimeCompact

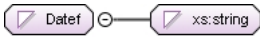
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations | Datum mit Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der Wertebereich eingeschränkt, so dass ueber eine binaere Darstellung im Nutzermedium 4 Byte ausreichend sind.<br>1990-01-01T:00:00:00 entspricht "keiner Angabe".<br>Der erste gueltige Wert ist 1990-01-02T00:00:02, da angenommen wird, dass DateTimeCompact sich aus DateCompact und TimeCompact (siehe BOM Spez.) zusammensetzt.<br>Achtung: es wird lokale Zeit verwendet (keine Zeitzone) um ungueltige Werte bei Abschneiden einer Zeitzoneinformation zu vermeiden!                                                                                                                                                      |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Type        | restriction of xs:dateTime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Facets      | maxInclusive 2117-12-31T23:59:58<br>minInclusive 1990-01-01T00:00:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Used by     | Elements tns:AllgemeineTransaktionsdaten/tns:logTransaktionsZeitpunkt, tns:TXKNAWA_Type/tns:logTransaktionsZeitpunkt, tns:TXKNAWB_Type/tns:logTransaktionsZeitpunkt, tns:TX_BER_Type/berGueltigkeitsbeginn, tns:TX_BER_Type/berGueltigkeitsende, tns:TX_LOG_Type/tns:logTransaktionsZeitpunkt_ID                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source      | <pre>&lt;xs:simpleType name="DateTimeCompact"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Datum mit Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der Wertebereich eingeschränkt, so dass ueber eine binaere Darstellung im Nutzermedium 4 Byte ausreichend sind. 1990-01-01T:00:00:00 entspricht "keiner Angabe". Der erste gueltige Wert ist 1990-01-02T00:00:02, da angenommen wird, dass DateTimeCompact sich aus DateCompact und TimeCompact (siehe BOM Spez.) zusammensetzt. Achtung: es wird lokale Zeit verwendet (keine Zeitzone) um ungueltige Werte bei Abschneiden einer Zeitzoneinformation zu vermeiden!&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;</pre> |

|                 |                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:restriction base="xs:dateTime"&gt;   &lt;xs:minInclusive value="1990-01-01T00:00:00"/&gt;   &lt;xs:maxInclusive value="2117-12-31T23:59:58"/&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                      |

## Simple Type tns:DateCompact

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |            |              |            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |            |              |            |
| Annotations     | Datum ohne Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der Wertebereich eingeschaenkt, so dass ueber eine binaere Darstellung im Nutzermedium 2 Byte ausreichend sind. 1990-01-01 entspricht "keiner Angabe". Der erste gueltige Wert ist 1990-01-02 (siehe BOM Spez.).                                                                                                                                                                                                                                                                                                                                                      |              |            |              |            |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |            |              |            |
| Type            | restriction of xs:date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |            |              |            |
| Facets          | <table> <tr> <td>maxInclusive</td><td>2117-12-31</td></tr> <tr> <td>minInclusive</td><td>1990-01-01</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | maxInclusive | 2117-12-31 | minInclusive | 1990-01-01 |
| maxInclusive    | 2117-12-31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |            |              |            |
| minInclusive    | 1990-01-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |            |              |            |
| Source          | <pre> &lt;xs:simpleType name="DateCompact"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Datum ohne Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der Wertebereich eingeschaenkt, so dass ueber eine binaere Darstellung im Nutzermedium 2 Byte ausreichend sind. 1990-01-01 entspricht "keiner Angabe". Der erste gueltige Wert ist 1990-01-02 (siehe BOM Spez.).&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:date"&gt;     &lt;xs:minInclusive value="1990-01-01"/&gt;     &lt;xs:maxInclusive value="2117-12-31"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |              |            |              |            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |            |              |            |

## Simple Type tns:Datef

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |   |         |                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---------|------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |   |         |                                          |
| Annotations     | BCD codierte Darstellung eines Datums als "Hexstring" in der Form yyyymmdd. "00000000" ist fuer "keine Angabe". Die Einschraenkung von 00010101 bis 99991231 wie in der BOM gefordert wird ueber das Pattern abgebildet.                                                                                                                                                                                                                                                                                                                                                                         |        |   |         |                                          |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |   |         |                                          |
| Type            | restriction of xs:string                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |   |         |                                          |
| Facets          | <table> <tr> <td>length</td><td>8</td></tr> <tr> <td>pattern</td><td>[0-9][0-9][0-9][0-9][0-1][0-9][0-3][0-9]</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | length | 8 | pattern | [0-9][0-9][0-9][0-9][0-1][0-9][0-3][0-9] |
| length          | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |   |         |                                          |
| pattern         | [0-9][0-9][0-9][0-9][0-1][0-9][0-3][0-9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |   |         |                                          |
| Source          | <pre> &lt;xs:simpleType name="Datef"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;BCD codierte Darstellung eines Datums als "Hexstring" in der Form yyyymmdd. "00000000" ist fuer "keine Angabe". Die Einschraenkung von 00010101 bis 99991231 wie in der BOM gefordert wird ueber das Pattern abgebildet.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:length value="8" fixed="true"/&gt;     &lt;xs:pattern value="[0-9][0-9][0-9][0-9][0-1][0-9][0-3][0-9]"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |        |   |         |                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |   |         |                                          |

## Simple Type tns:INT2

|           |                              |
|-----------|------------------------------|
| Namespace | http://vdv/ka/common/types/2 |
|-----------|------------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Annotations     | Integer der den positiven Zahlenraum von zwei Bytes umfasst                                                                                                                                                                                                                                                                                                                                      |                                                                |
| Diagram         |                                                                                                                                                                                                                                                                                                                 |                                                                |
| Type            | restriction of xs:unsignedInt                                                                                                                                                                                                                                                                                                                                                                    |                                                                |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                     | 65535                                                          |
|                 | minInclusive                                                                                                                                                                                                                                                                                                                                                                                     | 0                                                              |
| Used by         | Simple Types                                                                                                                                                                                                                                                                                                                                                                                     | tns:Amount65535, tns:ReferenceNumberTwo, tns:SequenceNumberTwo |
|                 | Element                                                                                                                                                                                                                                                                                                                                                                                          | tns:TX_PP_Type/tns:ppMehrwertsteuer                            |
| Source          | <pre>&lt;xs:simpleType name="INT2"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von zwei Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:unsignedInt"&gt;     &lt;xs:minInclusive value="0"/&gt;     &lt;xs:maxInclusive value="65535"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                                                |
| Schema location | file:C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                    |                                                                |

### Simple Type tns:INT3

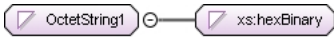
|                 |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                        |                                                   |
| Annotations     | Integer der den positiven Zahlenraum von drei Bytes umfasst                                                                                                                                                                                                                                                                                                                                         |                                                   |
| Diagram         |                                                                                                                                                                                                                                                                                                                    |                                                   |
| Type            | restriction of xs:unsignedInt                                                                                                                                                                                                                                                                                                                                                                       |                                                   |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                        | 16777215                                          |
|                 | minInclusive                                                                                                                                                                                                                                                                                                                                                                                        | 0                                                 |
| Used by         | Simple Types                                                                                                                                                                                                                                                                                                                                                                                        | tns:ReferenceNumberThree, tns:SequenceNumberThree |
| Source          | <pre>&lt;xs:simpleType name="INT3"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von drei Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:unsignedInt"&gt;     &lt;xs:minInclusive value="0"/&gt;     &lt;xs:maxInclusive value="16777215"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                                   |
| Schema location | file:C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                       |                                                   |

### Simple Type tns:INT4

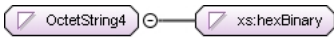
|             |                                                                                                                                                                                                                                                               |                                                                                                                                                                          |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/types/2                                                                                                                                                                                                                                  |                                                                                                                                                                          |
| Annotations | Integer der den positiven Zahlenraum von vier Bytes umfasst                                                                                                                                                                                                   |                                                                                                                                                                          |
| Diagram     |                                                                                                                                                                            |                                                                                                                                                                          |
| Type        | restriction of xs:unsignedInt                                                                                                                                                                                                                                 |                                                                                                                                                                          |
| Facets      | maxInclusive                                                                                                                                                                                                                                                  | 4294967295                                                                                                                                                               |
|             | minInclusive                                                                                                                                                                                                                                                  | 0                                                                                                                                                                        |
| Used by     | Simple Types                                                                                                                                                                                                                                                  | tns:ReferenceNumberFour, tns:SequenceNumberFour, tns:SperrlistenZyklusNummer_Type                                                                                        |
|             | Elements                                                                                                                                                                                                                                                      | tns:TXASKON_Type/tns:samLoadKeyZaehler, tns:TXASKON_Type/tns:samNutzungsLimitNeu, tns:TXUEBERKON_Type/tns:samLoadKeyZaehler, tns:TXUEBERKON_Type/tns:samNutzungsLimitGen |
| Source      | <pre>&lt;xs:simpleType name="INT4"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von vier Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:unsignedInt"&gt;</pre> |                                                                                                                                                                          |

|                 |                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:minInclusive value="0"/&gt; &lt;xs:maxInclusive value="4294967295"/&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd             |

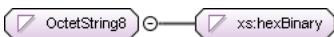
## Simple Type tns:OctetString1

|                 |                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                         |
| Annotations     | Hexstring mit einer maximalen Laenge von 1 Byte (2 Zeichen)                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                                     |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                          |
| Facets          | length 1                                                                                                                                                                                                                                                                                                                                                             |
| Source          | <pre> &lt;xs:simpleType name="OctetString1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 1 Byte (2 Zeichen)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="1" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                       |

## Simple Type tns:OctetString4

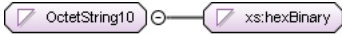
|                 |                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                         |
| Annotations     | Hexstring mit einer maximalen Laenge von 4 Byte (8 Zeichen)                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                                   |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                          |
| Facets          | length 4                                                                                                                                                                                                                                                                                                                                                             |
| Used by         | Element tns:TX_AFBLOG_Type/tns:afbLogDynamischerRabattParameter                                                                                                                                                                                                                                                                                                      |
| Source          | <pre> &lt;xs:simpleType name="OctetString4"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 4 Byte (8 Zeichen)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="4" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                       |

## Simple Type tns:OctetString8

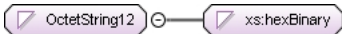
|             |                                                                                                                                                                                                                           |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/types/2                                                                                                                                                                                              |
| Annotations | Hexstring mit einer maximalen Laenge von 8 Byte (16 Zeichen)                                                                                                                                                              |
| Diagram     |                                                                                                                                        |
| Type        | restriction of xs:hexBinary                                                                                                                                                                                               |
| Facets      | length 8                                                                                                                                                                                                                  |
| Used by     | Elements tns:appNmTransaktionMAC_Type/appMAC_AH, tns:appNmTransaktionMAC_Type/appMAC_KVP, tns:berNmTransaktionMAC_Type/berMAC_KVP, tns:berNmTransaktionMAC_Type/berMAC_PV                                                 |
| Source      | <pre> &lt;xs:simpleType name="OctetString8"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 8 Byte (16 Zeichen)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre> |

|                 |                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&lt;xs:restriction base="xs:hexBinary"&gt;   &lt;xs:length value="8" fixed="true"/&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                   |

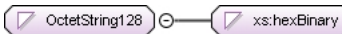
## Simple Type tns:OctetString10

|                 |                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                           |
| Annotations     | Hexstring mit einer maximalen Laenge von 10 Byte (20 Zeichen)                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                                       |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                            |
| Facets          | length 10                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Elements<br>tns:TXADM_Type/tns:transMediennummer, tns:TXAUSEFS_Type/tns:berBezahlMittel, tns:TX_ABKEY_Type/tns:berAbleitungsdaten, tns:TX_BER_Type/berBezahlMittel                                                                                                                                                                                                     |
| Source          | <pre>&lt;xs:simpleType name="OctetString10"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 10 Byte (20 Zeichen)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="10" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                         |

## Simple Type tns:OctetString12

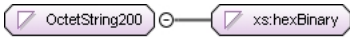
|                 |                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                           |
| Annotations     | Hexstring mit einer maximalen Laenge von 12 Byte (24 Zeichen)                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                                     |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                            |
| Facets          | length 12                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Element<br>tns:ASymSchluessel_ID_Type/signaturSchluessel                                                                                                                                                                                                                                                                                                               |
| Source          | <pre>&lt;xs:simpleType name="OctetString12"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 12 Byte (24 Zeichen)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="12" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                         |

## Simple Type tns:OctetString128

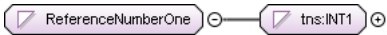
|             |                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                               |
| Annotations | Hexstring mit einer maximalen Laenge von 128 Byte (256 Zeichen)                                                                                                                                                                                                                                                                                                            |
| Diagram     |                                                                                                                                                                                                                                                                                         |
| Type        | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                                |
| Facets      | length 128                                                                                                                                                                                                                                                                                                                                                                 |
| Source      | <pre>&lt;xs:simpleType name="OctetString128"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 128 Byte (256 Zeichen)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="128" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |

|                 |                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:annotation&gt; &lt;xs:restriction base="xs:hexBinary"&gt;   &lt;xs:length value="128" fixed="true"/&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                              |

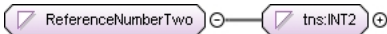
## Simple Type tns:OctetString200

|                 |                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                 |
| Annotations     | Hexstring mit einer maximalen Laenge von 200 Byte (400 Zeichen)                                                                                                                                                                                                                                                                                                              |
| Diagram         |                                                                                                                                                                                                                                                                                             |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                                  |
| Facets          | length 200                                                                                                                                                                                                                                                                                                                                                                   |
| Source          | <pre> &lt;xs:simpleType name="OctetString200"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 200 Byte (400 Zeichen)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="200" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                               |

## Simple Type tns:ReferenceNumberOne

|                 |                                                                                                                                                                                                                                                                                                 |              |     |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                    |              |     |              |   |
| Annotations     | Integer der den positiven Zahlenraum von einem Byte umfasst                                                                                                                                                                                                                                     |              |     |              |   |
| Diagram         |                                                                                                                                                                                                              |              |     |              |   |
| Type            | tns:INT1                                                                                                                                                                                                                                                                                        |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:ReferenceNumberOne</li> </ul>                                                                                                                                                                              |              |     |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td> <td>255</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>                                                                                                                                                                                      | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                                                                                                                                                                                             |              |     |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                               |              |     |              |   |
| Used by         | Element tns:LinieVariante_ID_Type/tns:variantenNummer                                                                                                                                                                                                                                           |              |     |              |   |
| Source          | <pre> &lt;xs:simpleType name="ReferenceNumberOne"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von einem Byte umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT1"/&gt; &lt;/xs:simpleType&gt; </pre> |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                  |              |     |              |   |

## Simple Type tns:ReferenceNumberTwo

|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/common/types/2                                                        |
| Annotations    | Integer der den positiven Zahlenraum von zwei Bytes umfasst                         |
| Diagram        |  |
| Type           | tns:INT2                                                                            |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> </ul>  |

|                 |                                                                                                                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>• tns:ReferenceNumberTwo</li> </ul>                                                                                                                                                                                                                                                               |
| Facets          | maxInclusive 65535                                                                                                                                                                                                                                                                                                                       |
|                 | minInclusive 0                                                                                                                                                                                                                                                                                                                           |
| Used by         | Simple Type tns:Organisation_ID                                                                                                                                                                                                                                                                                                          |
|                 | Elements tns:AllgemeineTransaktionsdaten/tns:logTransaktionsOperator_ID, tns:EFMProdukt_ID_Type/produktNummer, tns:Linie_ID_Type/tns:linienNummer, tns:SymSchluessel_ID_Type/schluesselInhaber_ID, tns:TXKNAWA_Type/tns:logTransaktionsOperator_ID, tns:TXKNAWB_Type/tns:logTransaktionsOperator_ID, tns:Terminal_ID_Type/terminalNummer |
| Source          | <pre>&lt;xs:simpleType name="ReferenceNumberTwo"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von zwei Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT2"/&gt; &lt;/xs:simpleType&gt;</pre>                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                           |

## Simple Type tns:ReferenceNumberThree

|                 |                                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                    |
| Annotations     | Integer der den positiven Zahlenraum von drei Bytes umfasst                                                                                                                                                                                                                                     |
| Diagram         |                                                                                                                                                                                                                |
| Type            | tns:INT3                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>• xs:unsignedInt</li> <li>• tns:INT3</li> <li>• tns:ReferenceNumberThree</li> </ul>                                                                                                                                                                      |
| Facets          | maxInclusive 16777215                                                                                                                                                                                                                                                                           |
|                 | minInclusive 0                                                                                                                                                                                                                                                                                  |
| Used by         | Elements tns:Fahrt_ID_Type/tns:fahrtNummer, tns:Ort_ID_Type/ortNummer                                                                                                                                                                                                                           |
|                 | Simple Type tns:SAM_ID_Type                                                                                                                                                                                                                                                                     |
| Source          | <pre>&lt;xs:simpleType name="ReferenceNumberThree"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von drei Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT3"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                  |

## Simple Type tns:ReferenceNumberFour

|                |                                                                                                                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/common/types/2                                                                                                                                                                                      |
| Annotations    | Integer der den positiven Zahlenraum von vier Bytes umfasst                                                                                                                                                       |
| Diagram        |                                                                                                                                |
| Type           | tns:INT4                                                                                                                                                                                                          |
| Type hierarchy | <ul style="list-style-type: none"> <li>• xs:unsignedInt</li> <li>• tns:INT4</li> <li>• tns:ReferenceNumberFour</li> </ul>                                                                                         |
| Facets         | maxInclusive 4294967295                                                                                                                                                                                           |
|                | minInclusive 0                                                                                                                                                                                                    |
| Used by        | Elements tns:Berechtigung_ID_Type/berechtigungNummer, tns:NmApplikationInstanz_ID_Type/NmAppInstanznummer, tns:TXTRANSABBRUCH_Type/tns:MKAH-PV-Nutzungszaehler, tns:TXTRANSABBRUCH_Type/tns:MKKVP-Nutzungszaehler |

|                 |                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source          | <pre>&lt;xs:simpleType name="ReferenceNumberFour"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von vier Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT4"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                 |

## Simple Type tns:SequenceNumberOne

|                 |                                                                                                                                                                                                                                                                                                                                        |              |     |              |   |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                           |              |     |              |   |
| Annotations     | Integer der den positiven Zahlenraum von einem Byte umfasst<br>Fachlich eine aufsteigende Sequenznummer.                                                                                                                                                                                                                               |              |     |              |   |
| Diagram         |                                                                                                                                                                                                                                                       |              |     |              |   |
| Type            | tns:INT1                                                                                                                                                                                                                                                                                                                               |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:SequenceNumberOne</li> </ul>                                                                                                                                                                                                                      |              |     |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                 | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                                                                                                                                                                                                                                    |              |     |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                      |              |     |              |   |
| Source          | <pre>&lt;xs:simpleType name="SequenceNumberOne"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von einem Byte umfasst Fachlich eine aufsteigende Sequenznummer.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT1"/&gt; &lt;/xs:simpleType&gt;</pre> |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                         |              |     |              |   |

## Simple Type tns:SequenceNumberTwo

|                 |                                                                                                                                                                                                                                                                                                                                        |              |       |              |   |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                           |              |       |              |   |
| Annotations     | Integer der den positiven Zahlenraum von zwei Bytes umfasst<br>Fachlich eine aufsteigende Sequenznummer.                                                                                                                                                                                                                               |              |       |              |   |
| Diagram         |                                                                                                                                                                                                                                                     |              |       |              |   |
| Type            | tns:INT2                                                                                                                                                                                                                                                                                                                               |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:SequenceNumberTwo</li> </ul>                                                                                                                                                                                                                      |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                               | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                                                                                                                                                                                                                  |              |       |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                      |              |       |              |   |
| Used by         | Element tns:AllgemeineTransaktionsdaten/tns:logApplikationSeqNummer                                                                                                                                                                                                                                                                    |              |       |              |   |
| Source          | <pre>&lt;xs:simpleType name="SequenceNumberTwo"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von zwei Bytes umfasst Fachlich eine aufsteigende Sequenznummer.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT2"/&gt; &lt;/xs:simpleType&gt;</pre> |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                         |              |       |              |   |

## Simple Type tns:SequenceNumberThree

|           |                              |
|-----------|------------------------------|
| Namespace | http://vdv/ka/common/types/2 |
|-----------|------------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                          |              |          |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Annotations     | Integer der den positiven Zahlenraum von drei Bytes umfasst<br>Fachlich eine aufsteigende Sequenznummer.                                                                                                                                                                                                                                 |              |          |              |   |
| Diagram         |                                                                                                                                                                                                                                                         |              |          |              |   |
| Type            | tns:INT3                                                                                                                                                                                                                                                                                                                                 |              |          |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:SequenceNumberThree</li> </ul>                                                                                                                                                                                                                      |              |          |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>16777215</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                              | maxInclusive | 16777215 | minInclusive | 0 |
| maxInclusive    | 16777215                                                                                                                                                                                                                                                                                                                                 |              |          |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                        |              |          |              |   |
| Source          | <pre>&lt;xs:simpleType name="SequenceNumberThree"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von drei Bytes umfasst Fachlich eine aufsteigende Sequenznummer.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT3"/&gt; &lt;/xs:simpleType&gt;</pre> |              |          |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                           |              |          |              |   |

## Simple Type tns:SequenceNumberFour

|                 |                                                                                                                                                                                                                                                                                                                                          |              |            |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                             |              |            |              |   |
| Annotations     | Integer der den positiven Zahlenraum von vier Bytes umfasst.<br>Fachlich eine aufsteigende Sequenznummer.                                                                                                                                                                                                                                |              |            |              |   |
| Diagram         |                                                                                                                                                                                                                                                        |              |            |              |   |
| Type            | tns:INT4                                                                                                                                                                                                                                                                                                                                 |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:SequenceNumberFour</li> </ul>                                                                                                                                                                                                                       |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                            | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                                                                                                                                                                                                                                               |              |            |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                        |              |            |              |   |
| Used by         | Elements tns:IONTransaktion_ID_Type/transSequenznummer, tns:NmTransaktion_ID_Type/tns:samSequenznummer                                                                                                                                                                                                                                   |              |            |              |   |
| Source          | <pre>&lt;xs:simpleType name="SequenceNumberFour"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von vier Bytes umfasst. Fachlich eine aufsteigende Sequenznummer.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT4"/&gt; &lt;/xs:simpleType&gt;</pre> |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd                                                                                                                                                                                                           |              |            |              |   |

**Namespace: "http://vdv/ka/common/2"**

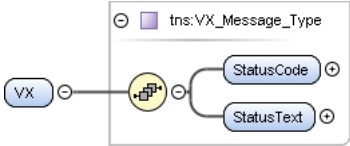
**Schema(s)**

**Imported schema XML - Schema\_KA\_Common.xsd**

|                         |                                                                                                                                                                                         |                         |             |                       |             |          |        |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------|-----------------------|-------------|----------|--------|
| Namespace               | http://vdv/ka/common/2                                                                                                                                                                  |                         |             |                       |             |          |        |
| Properties              | <table> <tr> <td>attribute form default:</td><td>unqualified</td></tr> <tr> <td>element form default:</td><td>unqualified</td></tr> <tr> <td>version:</td><td>1.13.0</td></tr> </table> | attribute form default: | unqualified | element form default: | unqualified | version: | 1.13.0 |
| attribute form default: | unqualified                                                                                                                                                                             |                         |             |                       |             |          |        |
| element form default:   | unqualified                                                                                                                                                                             |                         |             |                       |             |          |        |
| version:                | 1.13.0                                                                                                                                                                                  |                         |             |                       |             |          |        |
| Schema location         | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd                                                                   |                         |             |                       |             |          |        |

## Element(s)

### Element tns:VX

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace            | http://vdv/ka/common/2                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Annotations          | KA VX Nachricht<br>Eine VX Nachricht wird bei einer asynchronen Anwendungskommunikation als Bestaetigung einer Dienstanfrage gesendet.<br>Durch die VX Nachricht wird dem anfragenden System der Status der iniitalen Datenuebermittlung mitgeteilt.                                                                                                                                                                                                |
| Diagram              |                                                                                                                                                                                                                                                                                                                                                                    |
| Type                 | tns:VX_Message_Type                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Properties           | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Model                | StatusCode , StatusText                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Children             | StatusCode, StatusText                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Instance             | <pre>&lt;tns:VX xmlns:tns="http://vdv/ka/common/2"&gt;   &lt;StatusCode&gt;{1,1}&lt;/StatusCode&gt;   &lt;StatusText&gt;{1,1}&lt;/StatusText&gt; &lt;/tns:VX&gt;</pre>                                                                                                                                                                                                                                                                              |
| Source               | <pre>&lt;xs:element name="VX" type="tns:VX_Message_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;KA VX Nachricht Eine VX Nachricht wird bei einer asynchronen     Anwendungskommunikation als Bestaetigung einer Dienstanfrage gesendet. Durch die VX Nachricht wird     dem anfragenden System der Status der iniitalen Datenuebermittlung mitgeteilt.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema loca-<br>tion | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd                                                                                                                                                                                                                                                                                                                               |

## Simple Type(s)

### Simple Type tns:Organisation\_ID

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---|
| Namespace           | http://vdv/ka/common/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |
| Annotations         | Type: Eindeutiger Identifier einer Organisation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |
| Diagram             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |
| Type                | tns:ReferenceNumberTwo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |
| Type hierar-<br>chy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |
| Facets              | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | maxInclusive | 65535                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | minInclusive | 0 |
| maxInclusive        | 65535                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |
| minInclusive        | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |
| Used by             | <table> <tr> <td>Elements</td><td>tns:Berechtigung_ID_Type/kvp_ID, tns:EFMPprodukt_ID_Type/organisationID, tns:Fahrt_ID_Type/tns:fahrtBetreiber_ID, tns:IONTransaktion_ID_Type/transSender_ID, tns:ION_TX_HEAD-ER_Type/transEmpfaenger_ID, tns:Linie_ID_Type/tns:linieDomaene_ID, tns:NmApplikationIn-<br/>stanz_ID_Type/kvp_ID, tns:Ort_ID_Type/ortDomaene_ID, tns:TXSFREIMITO_Type/tns:orgSper-<br/>rkandidat, tns:TXSMITO_Type/tns:orgSperrkandidat, tns:TXSNAWA_Req_Type/orgSperrkandidat,<br/>tns:TXSNAWB_Req_Type/orgSperrkandidat, tns:TX_LOG_Type/tns:logTransaktionsoperator_ID,<br/>tns:Terminal_ID_Type/terminalOwner_ID</td></tr> </table> | Elements     | tns:Berechtigung_ID_Type/kvp_ID, tns:EFMPprodukt_ID_Type/organisationID, tns:Fahrt_ID_Type/tns:fahrtBetreiber_ID, tns:IONTransaktion_ID_Type/transSender_ID, tns:ION_TX_HEAD-ER_Type/transEmpfaenger_ID, tns:Linie_ID_Type/tns:linieDomaene_ID, tns:NmApplikationIn-<br>stanz_ID_Type/kvp_ID, tns:Ort_ID_Type/ortDomaene_ID, tns:TXSFREIMITO_Type/tns:orgSper-<br>rkandidat, tns:TXSMITO_Type/tns:orgSperrkandidat, tns:TXSNAWA_Req_Type/orgSperrkandidat,<br>tns:TXSNAWB_Req_Type/orgSperrkandidat, tns:TX_LOG_Type/tns:logTransaktionsoperator_ID,<br>tns:Terminal_ID_Type/terminalOwner_ID |              |   |
| Elements            | tns:Berechtigung_ID_Type/kvp_ID, tns:EFMPprodukt_ID_Type/organisationID, tns:Fahrt_ID_Type/tns:fahrtBetreiber_ID, tns:IONTransaktion_ID_Type/transSender_ID, tns:ION_TX_HEAD-ER_Type/transEmpfaenger_ID, tns:Linie_ID_Type/tns:linieDomaene_ID, tns:NmApplikationIn-<br>stanz_ID_Type/kvp_ID, tns:Ort_ID_Type/ortDomaene_ID, tns:TXSFREIMITO_Type/tns:orgSper-<br>rkandidat, tns:TXSMITO_Type/tns:orgSperrkandidat, tns:TXSNAWA_Req_Type/orgSperrkandidat,<br>tns:TXSNAWB_Req_Type/orgSperrkandidat, tns:TX_LOG_Type/tns:logTransaktionsoperator_ID,<br>tns:Terminal_ID_Type/terminalOwner_ID                                                          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |
| Source              | <pre>&lt;xs:simpleType name="Organisation_ID"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Type: Eindeutiger Identifier einer Organisation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:ReferenceNumberTwo"/&gt; &lt;/xs:simpleType&gt;</pre>                                                                                                                                                                                                                                                                                                                                                            |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |   |

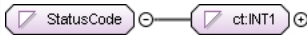
|                 |                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;/xs:simpleType&gt;</code>                                                                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd |

## Simple Type `tns:KommunikationsParterRolle`

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                          |           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------|
| Namespace      | http://vdv/ka/common/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |           |
| Annotations    | Rolle des Kommunikationspartners: 1=KVP, 2=DL, 3=PV, 4=AH, 5=KOSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |           |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                          |           |
| Type           | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          |           |
| Type hierarchy | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:KommunikationsParterRolle</li></ul></li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                          |           |
| Facets         | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 255                                                                                      |           |
|                | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0                                                                                        |           |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0                                                                                        | Unbekannt |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                                                                                        | KVP       |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                                                                        | DL        |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                                                                                        | PV        |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4                                                                                        | AH        |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5                                                                                        | KOSES     |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 254                                                                                      | ZVM       |
| Used by        | Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tns:IONTransaktion_ID_Type/transSenderRolle, tns:ION_TX_HEADER_Type/transEmpfaengerRolle |           |
| Source         | <pre>&lt;xs:simpleType name="KommunikationsParterRolle"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Rolle des Kommunikationspartners: 1=KVP, 2=DL, 3=PV, 4=AH, 5=KOSES&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Unbekannt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;KVP&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;DL&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;PV&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="4"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;AH&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="5"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;KOSES&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="254"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;ZVM&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                                                                          |           |

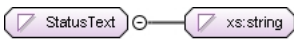
|                 |                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------|
| Schema location | file://tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd |
|-----------------|---------------------------------------------------------------------------------------------------------------------|

## Simple Type tns:StatusCode

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|-----|--|--------------|---|--|-------------|---|-------------------------------------------------------------------------------------------------------------------|-------------|---|--------------------------------------------------------------------------------------------------------------------|-------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---|---------------------------------------------------------------------------------------------------------------------------------------|-------------|---|------------------------------------------------------------------------------------------------|-------------|---|---------------------------------------------------------------------|-------------|---|-----------------------------------------------------------------|-------------|---|------------------------------------------------------------------------------------------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/common/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| Annotations    | Status Codes einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| Type           | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| Type hierarchy | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:StatusCode</li></ul></li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| Facets         | <table><tr><td>maxInclusive</td><td>255</td><td></td></tr><tr><td>minInclusive</td><td>0</td><td></td></tr><tr><td>enumeration</td><td>0</td><td>Die Nachricht wurde erfolgreich entgegengenommen und alle notwendigen Informationen zur Weiterleitung liegen vor.</td></tr><tr><td>enumeration</td><td>1</td><td>Ungueltige Nachricht. Die Sender ID oder die Routing Information kann nicht aus dem SOAP Header extrahiert werden.</td></tr><tr><td>enumeration</td><td>2</td><td>Ungleiche Sender ID. Die Sender ID, die im SOAP Header uebertragen wurde passt nicht zu der Sender ID, die in der VM zum Zertifikat des Senders hinterlegt wurde.</td></tr><tr><td>enumeration</td><td>3</td><td>Unbekannter oder gesperrter Empfaenger oder zu den Routing Informationen ist in der VM keine technische Empfaengeradresse hinterlegt.</td></tr><tr><td>enumeration</td><td>4</td><td>Verbindungsproblem zum Empfaenger. Es konnte keine Verbindung zum Empfaenger aufgebaut werden.</td></tr><tr><td>enumeration</td><td>5</td><td>Timeout. Der Empfaenger antwortet nicht in einer vorgegebenen Zeit.</td></tr><tr><td>enumeration</td><td>6</td><td>Die asynchrone Nachricht kann nicht zwischengespeichert werden.</td></tr><tr><td>enumeration</td><td>7</td><td>Die Organisations-ID des Senders ist gesperrt oder der Vermittlungsstelle nicht bekannt.</td></tr><tr><td>enumeration</td><td>255</td><td>Technisches Problem. Es liegt ein technisches Problem vor. Die Nachricht konnte nicht erfolgreich entgegengenommen werden.</td></tr></table> |                                                                                                                                                                   |  | maxInclusive | 255 |  | minInclusive | 0 |  | enumeration | 0 | Die Nachricht wurde erfolgreich entgegengenommen und alle notwendigen Informationen zur Weiterleitung liegen vor. | enumeration | 1 | Ungueltige Nachricht. Die Sender ID oder die Routing Information kann nicht aus dem SOAP Header extrahiert werden. | enumeration | 2 | Ungleiche Sender ID. Die Sender ID, die im SOAP Header uebertragen wurde passt nicht zu der Sender ID, die in der VM zum Zertifikat des Senders hinterlegt wurde. | enumeration | 3 | Unbekannter oder gesperrter Empfaenger oder zu den Routing Informationen ist in der VM keine technische Empfaengeradresse hinterlegt. | enumeration | 4 | Verbindungsproblem zum Empfaenger. Es konnte keine Verbindung zum Empfaenger aufgebaut werden. | enumeration | 5 | Timeout. Der Empfaenger antwortet nicht in einer vorgegebenen Zeit. | enumeration | 6 | Die asynchrone Nachricht kann nicht zwischengespeichert werden. | enumeration | 7 | Die Organisations-ID des Senders ist gesperrt oder der Vermittlungsstelle nicht bekannt. | enumeration | 255 | Technisches Problem. Es liegt ein technisches Problem vor. Die Nachricht konnte nicht erfolgreich entgegengenommen werden. |
| maxInclusive   | 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| minInclusive   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| enumeration    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Die Nachricht wurde erfolgreich entgegengenommen und alle notwendigen Informationen zur Weiterleitung liegen vor.                                                 |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| enumeration    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ungueltige Nachricht. Die Sender ID oder die Routing Information kann nicht aus dem SOAP Header extrahiert werden.                                                |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| enumeration    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ungleiche Sender ID. Die Sender ID, die im SOAP Header uebertragen wurde passt nicht zu der Sender ID, die in der VM zum Zertifikat des Senders hinterlegt wurde. |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| enumeration    | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unbekannter oder gesperrter Empfaenger oder zu den Routing Informationen ist in der VM keine technische Empfaengeradresse hinterlegt.                             |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| enumeration    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Verbindungsproblem zum Empfaenger. Es konnte keine Verbindung zum Empfaenger aufgebaut werden.                                                                    |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| enumeration    | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Timeout. Der Empfaenger antwortet nicht in einer vorgegebenen Zeit.                                                                                               |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| enumeration    | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Die asynchrone Nachricht kann nicht zwischengespeichert werden.                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| enumeration    | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Die Organisations-ID des Senders ist gesperrt oder der Vermittlungsstelle nicht bekannt.                                                                          |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| enumeration    | 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Technisches Problem. Es liegt ein technisches Problem vor. Die Nachricht konnte nicht erfolgreich entgegengenommen werden.                                        |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| Used by        | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | tns:VX_Message_Type/StatusCode                                                                                                                                    |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |
| Source         | <pre>&lt;xs:simpleType name="StatusCode"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Status Codes einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Die Nachricht wurde erfolgreich entgegengenommen und alle notwendigen Informationen zur Weiterleitung liegen vor.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Ungueltige Nachricht. Die Sender ID oder die Routing Information kann nicht aus dem SOAP Header extrahiert werden.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Ungleiche Sender ID. Die Sender ID, die im SOAP Header uebertragen wurde passt nicht zu der Sender ID, die in der VM zum Zertifikat des Senders hinterlegt wurde.&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;</pre>                                                                                                                                                                                                                                         |                                                                                                                                                                   |  |              |     |  |              |   |  |             |   |                                                                                                                   |             |   |                                                                                                                    |             |   |                                                                                                                                                                   |             |   |                                                                                                                                       |             |   |                                                                                                |             |   |                                                                     |             |   |                                                                 |             |   |                                                                                          |             |     |                                                                                                                            |

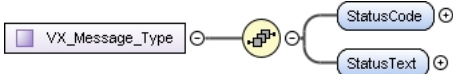
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:documentation&gt;Unbekannter oder gesperrter Empfaenger oder zu den Routing Informationen ist in der VM keine technische Empfaengeradresse hinterlegt.&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="4"&gt; &lt;xs:annotation&gt; &lt;xs:documentation&gt;Verbindungsproblem zum Empfaenger. Es konnte keine Verbindung zum Empfaenger aufgebaut werden.&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="5"&gt; &lt;xs:annotation&gt; &lt;xs:documentation&gt;Timeout. Der Empfaenger antwortet nicht in einer vorgegebenen Zeit.&lt;/ xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="6"&gt; &lt;xs:annotation&gt; &lt;xs:documentation&gt;Die asynchrone Nachricht kann nicht zwischengespeichert werden.&lt;/ xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="7"&gt; &lt;xs:annotation&gt; &lt;xs:documentation&gt;Die Organisations-ID des Senders ist gesperrt oder der Vermittlungsstelle nicht bekannt.&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="255"&gt; &lt;xs:annotation&gt; &lt;xs:documentation&gt;Technisches Problem. Es liegt ein technisches Problem vor. Die Nachricht konnte nicht erfolgreich entgegengenommen werden.&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Simple Type tns:StatusText

|                 |                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/2                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Textuelle Beschreibung des "Status Codes" einer KA VX Nachricht                                                                                                                                                                                                                                                                         |
| Diagram         |                                                                                                                                                                                                                                                      |
| Type            | restriction of xs:string                                                                                                                                                                                                                                                                                                                |
| Facets          | maxLength 255                                                                                                                                                                                                                                                                                                                           |
| Used by         | Element tns:VX_Message_Type/StatusText                                                                                                                                                                                                                                                                                                  |
| Source          | <pre> &lt;xs:simpleType name="StatusText"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Textuelle Beschreibung des "Status Codes" einer KA VX Nachricht&lt;/   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:maxLength value="255"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd                                                                                                                                                                                                                   |

## Complex Type(s)

### Complex Type tns:VX\_Message\_Type

|             |                                                                                         |
|-------------|-----------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/2                                                                  |
| Annotations | Type: Struktur einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten) |
| Diagram     |      |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Used by         | Element tns:VX                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Model           | StatusCode , StatusText                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Children        | StatusCode, StatusText                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source          | <pre>&lt;xs:complexType name="VX_Message_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Type: Struktur einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="StatusCode" type="tns:StatusCode"/&gt;     &lt;xs:element name="StatusText" type="tns:StatusText"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd                                                                                                                                                                                                                                                                                                                                       |

**Namespace: "http://vdv/ka/ion/2"**

## Schema(s)

### Imported schema XML - Schema\_ION.xsd

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                          |
| Properties      | attribute form default: unqualified                                                                          |
|                 | element form default: unqualified                                                                            |
|                 | version: 1.13.0                                                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

## Element(s)

### Element tns:TXB

|                |                                                                                                                                                |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                                            |
| Annotations    | Element: Bestaetigung einer ION-Transaktion                                                                                                    |
| Diagram        |                                                                                                                                                |
| Type           | tns:TXB_Type                                                                                                                                   |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> <li>tns:TXB_Type</li> </ul>                              |
| Properties     | content: complex                                                                                                                               |
| Model          | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit                                                                              |
| Children       | transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                      |
| Instance       | <pre>&lt;tns:TXB xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;transOrigID&gt;{1,1}&lt;/transOrigID&gt;</pre> |

|                 |                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&lt;transOrigSignatur&gt;{0,1}&lt;/transOrigSignatur&gt; &lt;transOriginalZeit&gt;{1,1}&lt;/transOriginalZeit&gt; &lt;/tns:TXB&gt;</pre>                                                                                      |
| Source          | <pre>&lt;xs:element name="TXB" type="tns:TXB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Bestaetigung einer ION-Transaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                       |

## Element tns:TXA

|                 |                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Element: Ablehnung einer ION-Transaktion                                                                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                      |
| Type            | tns:TXA_Type                                                                                                                                                                                                                                                                                                                                         |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> <li>tns:TXA_Type</li> </ul>                                                                                                                                                                                                                                    |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                     |
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , transAblehnungGrund                                                                                                                                                                                                                                                              |
| Children        | transAblehnungGrund, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                       |
| Instance        | <pre>&lt;tns:TXA xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;transOrigID&gt;{1,1}&lt;/transOrigID&gt;   &lt;transOrigSignatur&gt;{0,1}&lt;/transOrigSignatur&gt;   &lt;transOriginalZeit&gt;{1,1}&lt;/transOriginalZeit&gt;   &lt;transAblehnungGrund&gt;{1,1}&lt;/transAblehnungGrund&gt; &lt;/tns:TXA&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXA" type="tns:TXA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Ablehnung einer ION-Transaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                         |

## Element tns:TXBRequest

|             |                                                    |
|-------------|----------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                |
| Annotations | Element: Mitteilung eines Verarbeitungsstatus (OK) |

|                 |                                                                                                                                                                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                     |
| Type            | tns:TXB_Type                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> <li>tns:TXB_Type</li> </ul>                                                                                                                                                                                   |
| Properties      | content: complex                                                                                                                                                                                                                                                                                    |
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit                                                                                                                                                                                                                                   |
| Children        | transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                           |
| Instance        | <pre>&lt;tns:TXBRequest xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;transOrigID&gt;{1,1}&lt;/transOrigID&gt;   &lt;transOrigSignatur&gt;{0,1}&lt;/transOrigSignatur&gt;   &lt;transOriginalZeit&gt;{1,1}&lt;/transOriginalZeit&gt; &lt;/tns:TXBRequest&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXBRequest" type="tns:TXB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Mitteilung eines Verarbeitungsstatus (OK)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                        |

## Element tns:TXARequest

|                |                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                               |
| Annotations    | Element: Mitteilung eines Verarbeitungsstatus (Fehlerhaft im Drittsystem)                                         |
| Diagram        |                                                                                                                   |
| Type           | tns:TXA_Type                                                                                                      |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> <li>tns:TXA_Type</li> </ul> |
| Properties     | content: complex                                                                                                  |

|                 |                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , transAblehnungGrund                                                                                                                                                                                                                                                                            |
| Children        | transAblehnungGrund, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                                     |
| Instance        | <pre>&lt;tns:TXARequest xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;transOrigID&gt;{1,1}&lt;/transOrigID&gt;   &lt;transOrigSignatur&gt;{0,1}&lt;/transOrigSignatur&gt;   &lt;transOriginalZeit&gt;{1,1}&lt;/transOriginalZeit&gt;   &lt;transAblehnungGrund&gt;{1,1}&lt;/transAblehnungGrund&gt; &lt;/tns:TXARequest&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXARequest" type="tns:TXA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Mitteilung eines Verarbeitungsstatus (Fehlerhaft im Drittsystem)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                       |

## Element tns:TXDEABER

|                 |                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                     |
| Annotations     | Element: Dienstanfrage: "Loeschen einer Produkt-Akzeptanz von allen akzeptierenden Organisationen"                                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                                                                                         |
| Type            | tns:TXDEABER_Req_Type                                                                                                                                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXDEABER_Req_Type</li> </ul>                                                                                                                                                                                                       |
| Properties      | content: complex                                                                                                                                                                                                                                                                                        |
| Model           | txbase , prodAkzeptanzEnde , prodProdukt_ID                                                                                                                                                                                                                                                             |
| Children        | prodAkzeptanzEnde, prodProdukt_ID, txbase                                                                                                                                                                                                                                                               |
| Instance        | <pre>&lt;tns:TXDEABER xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;prodAkzeptanzEnde&gt;{1,1}&lt;/prodAkzeptanzEnde&gt;   &lt;prodProdukt_ID&gt;{1,1}&lt;/prodProdukt_ID&gt; &lt;/tns:TXDEABER&gt;</pre>                                                              |
| Source          | <pre>&lt;xs:element name="TXDEABER" type="tns:TXDEABER_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Dienstanfrage: "Loeschen einer Produkt-Akzeptanz von allen akzeptierenden Organisationen"&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                            |

## Element tns:TXSMITA

|             |                                      |
|-------------|--------------------------------------|
| Namespace   | http://vdv/ka/ion/2                  |
| Annotations | Element: Sperrmitteilung Applikation |

|                 |                                                                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                 |
| Type            | tns:TXSMITA_Type                                                                                                                                                                                                                                                                                                |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITA_Type</li> </ul>                                                                                                                                                                                          |
| Properties      | content: complex<br>nillable: false                                                                                                                                                                                                                                                                             |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , appSperrkandidat                                                                                                                                                                                                                                           |
| Children        | appSperrkandidat, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                              |
| Instance        | <pre>&lt;tns:TXSMITA xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;appSperrkandidat&gt;{1,1}&lt;/appSperrkandidat&gt; &lt;/tns:TXSMITA&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSMITA" type="tns:TXSMITA_Type" nillable="false"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrmitteilung Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                    |

## Element tns:TXSFREIMITA

|                |                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                    |
| Annotations    | Element: Sperrfreigabemitteilung Applikation                                                                           |
| Diagram        |                                                                                                                        |
| Type           | tns:TXSFREIMITA_Type                                                                                                   |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITA_Type</li> </ul> |

|                 |                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>• tns:TXSFREIMITA_Type</li> </ul>                                                                                                                                                                                                                                                |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                        |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , appSperrkandidat                                                                                                                                                                                                                                                   |
| Children        | appSperrkandidat, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                      |
| Instance        | <pre>&lt;tns:TXSFREIMITA xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;appSperrkandidat&gt;{1,1}&lt;/appSperrkandidat&gt; &lt;/tns:TXSFREIMITA&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSFREIMITA" type="tns:TXSFREIMITA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrfreigabemitteilung Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                            |

## Element tns:TXSANFSYMK

|                 |                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                  |
| Annotations     | Element: Sperranforderung fuer einen symmetrischen Schluessel                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                                                                      |
| Type            | tns:TXSANFSYMK_Type                                                                                                                                                                                                                                  |
| Type hierarchy  | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TX_SANF_Type</li> <li>• tns:TXSANFSYMK_Type</li> </ul>                                                                                                                      |
| Properties      | content: complex                                                                                                                                                                                                                                     |
| Model           | txbase , sperrSperrgrund , keySperrkandidatsym                                                                                                                                                                                                       |
| Children        | keySperrkandidatsym, sperrSperrgrund, txbase                                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:TXSANFSYMK xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;keySperrkandidatsym&gt;{1,1}&lt;/keySperrkandidatsym&gt; &lt;/tns:TXSANFSYMK&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSANFSYMK" type="tns:TXSANFSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperranforderung fuer einen symmetrischen Schluessel&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                         |

## Element tns:TXSANFASYMK

|             |                                                                |
|-------------|----------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                            |
| Annotations | Element: Sperranforderung fuer einen asymmetrischen Schluessel |

|                 |                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                         |
| Type            | tns:TXSANFASYMK_Type                                                                                                                                                                                                                                                    |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFASYMK_Type</li> </ul>                                                                                                                                              |
| Properties      | content: complex                                                                                                                                                                                                                                                        |
| Model           | txbase , sperrSperrgrund , keySperrkandidatsym                                                                                                                                                                                                                          |
| Children        | keySperrkandidatsym, sperrSperrgrund, txbase                                                                                                                                                                                                                            |
| Instance        | <pre> &lt;tns:TXSANFASYMK xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;keySperrkandidatsym&gt;{1,1}&lt;/keySperrkandidatsym&gt; &lt;/tns:TXSANFASYMK&gt; </pre>                |
| Source          | <pre> &lt;xs:element name="TXSANFASYMK" type="tns:TXSANFASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperranforderung fuer einen asymmetrischen Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                            |

## Element tns:TXSAANFSYMK

|                |                                                                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                                                     |
| Annotations    | Element: Sperraufhebungsanforderung fuer einen symmetrischen Schluessel                                                                                 |
| Diagram        |                                                                                                                                                         |
| Type           | tns:TXSAANFSYMK_Type                                                                                                                                    |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFSYMK_Type</li> <li>tns:TXSAANFSYMK_Type</li> </ul> |
| Properties     | content: complex                                                                                                                                        |

|                 |                                                                                                                                                                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | txbase , sperrSperrgrund , keySperrkandidatsym                                                                                                                                                                                                               |
| Children        | keySperrkandidatsym, sperrSperrgrund, txbase                                                                                                                                                                                                                 |
| Instance        | <pre>&lt;tns:TXSAANFASYMK xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;keySperrkandidatsym&gt;{1,1}&lt;/keySperrkandidatsym&gt; &lt;/tns:TXSAANFASYMK&gt;</pre>     |
| Source          | <pre>&lt;xs:element name="TXSAANFASYMK" type="tns:TXSAANFASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperraufhebungsanforderung fuer einen symmetrischen Schluessel&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                 |

## Element tns:TXSAANFASYMK

|                 |                                                                                                                                                                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                           |
| Annotations     | Element: Sperraufhebungsanforderung fuer einen asymmetrischen Schluessel                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                                               |
| Type            | tns:TXSAANFASYMK_Type                                                                                                                                                                                                                                         |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFASYMK_Type</li> <li>tns:TXSAANFASYMK_Type</li> </ul>                                                                                                     |
| Properties      | content: complex                                                                                                                                                                                                                                              |
| Model           | txbase , sperrSperrgrund , keySperrkandidatasym                                                                                                                                                                                                               |
| Children        | keySperrkandidatasym, sperrSperrgrund, txbase                                                                                                                                                                                                                 |
| Instance        | <pre>&lt;tns:TXSAANFASYMK xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;keySperrkandidatasym&gt;{1,1}&lt;/keySperrkandidatasym&gt; &lt;/tns:TXSAANFASYMK&gt;</pre>    |
| Source          | <pre>&lt;xs:element name="TXSAANFASYMK" type="tns:TXSAANFASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperraufhebungsanforderung fuer einen asymmetrischen Schluessel&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                  |

## Element tns:TXSFREIMITSYM

|             |                                                    |
|-------------|----------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                |
| Annotations | Element: Sperrfreigabemitteilung symmetrischer Key |

|                 |                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                     |
| Type            | tns:TXSFREIMITSYMK_Type                                                                                                                                                                                                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITSYMK_Type</li> </ul>                                                                                                                                                                                                       |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                    |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                                                                                                                                                                                                                            |
| Children        | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                               |
| Instance        | <pre>&lt;tns:TXSFREIMITSYMK xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;keySperrkandidatsym&gt;{1,1}&lt;/keySperrkandidatsym&gt; &lt;/tns:TXSFREIMITSYMK&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSFREIMITSYMK" type="tns:TXSFREIMITSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrfreigabemitteilung symmetrischer Key&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                        |

## Element tns:TXSFREIMITASYMK

|                |                                                                                                                                |
|----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                            |
| Annotations    | Element: Sperrfreigabemitteilung asymmetrischer Key                                                                            |
| Diagram        |                                                                                                                                |
| Type           | tns:TXSFREIMITASYMK_Type                                                                                                       |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITASYMK_Type</li> </ul> |
| Properties     | content: complex                                                                                                               |
| Model          | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                       |

|                 |                                                                                                                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children        | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                 |
| Instance        | <pre>&lt;tns:TXSFREIMITASYMK xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;keySperrkandidatsym&gt;{1,1}&lt;/keySperrkandidatsym&gt; &lt;/tns:TXSFREIMITASYMK&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSFREIMITASYMK" type="tns:TXSFREIMITASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrfreigabemitteilung asymmetrischer Key&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                          |

## Element tns:TXSMITSYMK

|                 |                                                                                                                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                         |
| Annotations     | Element: Sperrmitteilung symmetrischer Schluessel                                                                                                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                                                                                                                             |
| Type            | tns:TXSMITSYMK_Type                                                                                                                                                                                                                                                                                                         |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITSYMK_Type</li> </ul>                                                                                                                                                                                                   |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                            |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                                                                                                                                                                                                                    |
| Children        | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                       |
| Instance        | <pre>&lt;tns:TXSMITSYMK xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;keySperrkandidatsym&gt;{1,1}&lt;/keySperrkandidatsym&gt; &lt;/tns:TXSMITSYMK&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSMITSYMK" type="tns:TXSMITSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrmitteilung symmetrischer Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                |

## Element tns:TXSMITASYMK

|             |                                                    |
|-------------|----------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                |
| Annotations | Element: Sperrmitteilung asymmetrischer Schluessel |

|                 |                                                                                                                                                                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                               |
| Type            | tns:TXSMITASYMK_Type                                                                                                                                                                                                                                                                                                          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITASYMK_Type</li> </ul>                                                                                                                                                                                                    |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                              |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatasy                                                                                                                                                                                                                                                      |
| Children        | keySperrkandidatasy, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                         |
| Instance        | <pre>&lt;tns:TXSMITASYMK xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrAnforderungBezug&gt;{1,1}&lt;/sperrAnforderungBezug&gt;   &lt;sperrEntscheidung&gt;{1,1}&lt;/sperrEntscheidung&gt;   &lt;keySperrkandidatasy&gt;{1,1}&lt;/keySperrkandidatasy&gt; &lt;/tns:TXSMITASYMK&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSMITASYMK" type="tns:TXSMITASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperrmitteilung asymmetrischer Schluesel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                  |

## Element tns:TXSNAWA

|                |                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                               |
| Annotations    | Element: Dienstanfrage "Sperrnachweis Applikation"                                                                |
| Diagram        |                                                                                                                   |
| Type           | tns:TXSNAWA_Req_Type                                                                                              |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXSNAWA_Req_Type</li> </ul>                  |
| Properties     | content: complex                                                                                                  |
| Model          | txbase , (samSperrkandidat   orgSperrkandidat) , zyklusNummer , sperrtransaktionApplikation , appNmTransaktionMAC |
| Children       | appNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrtransaktionApplikation, txbase, zyklusNummer        |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Instance        | <pre>&lt;tns:TXSNAWA xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;samSperrkandidat&gt;{1,1}&lt;/samSperrkandidat&gt;   &lt;orgSperrkandidat&gt;{1,1}&lt;/orgSperrkandidat&gt;   &lt;zyklusNummer&gt;{1,1}&lt;/zyklusNummer&gt;   &lt;sperrtransaktionApplikation&gt;{1,1}&lt;/sperrtransaktionApplikation&gt;   &lt;appNmTransaktionMAC&gt;{1,1}&lt;/appNmTransaktionMAC&gt; &lt;/tns:TXSNAWA&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSNAWA" type="tns:TXSNAWA_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Dienstanfrage "Sperrnachweis Applikation"&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                              |

## Element tns:TXSNAWB

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Annotations     | Element: Dienstanfrage "Sperrnachweis Berechtigung"                                                                                                                                                                                                                                                                                                                                                                                         |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type            | tns:TXSNAWB_Req_Type                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXSNAWB_Req_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | txbase , (samSperrkandidat   orgSperrkandidat) , zyklusNummer , sperrtransaktionBerechtigung , berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                          |
| Children        | berNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrtransaktionBerechtigung, txbase, zyklusNummer                                                                                                                                                                                                                                                                                                                                 |
| Instance        | <pre>&lt;tns:TXSNAWB xmlns:tns="http://vdv/ka/ion/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;samSperrkandidat&gt;{1,1}&lt;/samSperrkandidat&gt;   &lt;orgSperrkandidat&gt;{1,1}&lt;/orgSperrkandidat&gt;   &lt;zyklusNummer&gt;{1,1}&lt;/zyklusNummer&gt;   &lt;sperrtransaktionBerechtigung&gt;{1,1}&lt;/sperrtransaktionBerechtigung&gt;   &lt;berNmTransaktionMAC&gt;{1,1}&lt;/berNmTransaktionMAC&gt; &lt;/tns:TXSNAWB&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSNAWB" type="tns:TXSNAWB_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Dienstanfrage "Sperrnachweis Berechtigung"&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                |

## Simple Type(s)

### Simple Type tns:PrintableString

|           |                          |
|-----------|--------------------------|
| Namespace | http://vdv/ka/ion/2      |
| Diagram   |                          |
| Type      | restriction of xs:string |

|                 |                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Facets          | pattern [ -p]*                                                                                                                                                                            |
| Used by         | Element tns:TXAS_Type/transSendeAuftrag                                                                                                                                                   |
| Source          | <pre>&lt;xs:simpleType name="PrintableString"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:pattern value="[ -p]*"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                              |

## Simple Type tns:CommonServiceResultCode

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                                                   |
| Annotations    | Dienstuebergreifende Ergebniscodes. In BOM Ablehnungstype_Code bis auf Fall "0". Dieser Typ ist nicht direkt eingebunden und dient der Vollstaendigkeit der Schnittstelle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |                                                                                                   |
| Diagram        | <pre>graph LR     CommonServiceResultCode -- restriction --&gt; ctINT1[ct:INT1]</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |                                                                                                   |
| Type           | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                                                                                   |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:CommonServiceResultCode</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                                                                                   |
| Facets         | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 255 |                                                                                                   |
|                | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0   |                                                                                                   |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2   | Daten des SOAP Headers stimmen nicht mit den Transaktionsdaten der fachlichen Nachricht ueberein. |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3   | Falsche Senderrolle                                                                               |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4   | Organisations-ID des Senders ist unbekannt                                                        |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5   | Die Organisation wurde durch den AH gesperrt                                                      |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8   | Transaktion betrifft gesperrtes Objekt                                                            |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9   | Falsche Referenz                                                                                  |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 254 | Service/Transaktion wird nicht unterstuetzt                                                       |
| Source         | <pre>&lt;xs:simpleType name="CommonServiceResultCode"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Dienstuebergreifende Ergebniscodes. In BOM Ablehnungstype_Code bis auf Fall "0". Dieser Typ ist nicht direkt eingebunden und dient der Vollstaendigkeit der Schnittstelle.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;!-- &lt;xs:enumeration value="0"&gt; &lt;xs:annotation&gt; &lt;xs:documentation&gt;Erfolgreich&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; --&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Daten des SOAP Headers stimmen nicht mit den Transaktionsdaten der fachlichen Nachricht ueberein.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Falsche Senderrolle&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="4"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Organisations-ID des Senders ist unbekannt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="5"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Die Organisation wurde durch den AH gesperrt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="8"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Transaktion betrifft gesperrtes Objekt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |     |                                                                                                   |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="9"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Falsche Referenz&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="254"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Service/Transaktion wird nicht unterstuetzt&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                            |

## Simple Type tns:NmTransaktionsTyp\_CODE

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                      |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------|-----|--|--------------|---|--|-------------|---|--------------|-------------|---|----------------------------------------------------|-------------|---|------------|-------------|----|----|-------------|----|----|-------------|----|---------------------------|-------------|----|--------------------------|-------------|----|-------------|-------------|----|------------------------------------------------|-------------|----|---------------------------------------------------|-------------|----|----|-------------|----|----|-------------|----|-------|-------------|----|------------------------------------------------------|-------------|----|-----------|-------------|----|--------------------------------------------------------------------------------------|-------------|----|----------------------------------------|-------------|----|-----------------------------|-------------|----|---------------------|-------------|----|---------------------|-------------|----|-----------------------------------------|-------------|----|------------------------------------------------------------|-------------|----|---------|-------------|----|-----------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                      |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| Annotations    | Der NmTransaktionstyp_CODE klassifiziert Arten von Transaktionen, die mit Wertobjekten auf dem Nutzermedium auftreten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                      |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| Diagram        | <pre> classDiagram     class NmTransaktionsTyp_CODE     class ct_INT1["ct:INT1"]     NmTransaktionsTyp_CODE -- &gt; ct_INT1 </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                      |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| Type           | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:NmTransaktionsTyp_CODE</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| Facets         | <table border="1"> <tbody> <tr><td>maxInclusive</td><td>255</td><td></td></tr> <tr><td>minInclusive</td><td>0</td><td></td></tr> <tr><td>enumeration</td><td>0</td><td>Keine Angabe</td></tr> <tr><td>enumeration</td><td>1</td><td>Ausgabetransaktion – Applikation oder Berechtigung</td></tr> <tr><td>enumeration</td><td>2</td><td>Entwertung</td></tr> <tr><td>enumeration</td><td>11</td><td>CI</td></tr> <tr><td>enumeration</td><td>12</td><td>CO</td></tr> <tr><td>enumeration</td><td>15</td><td>Einzahlung - Berechtigung</td></tr> <tr><td>enumeration</td><td>16</td><td>CI nach Fahrtfortsetzung</td></tr> <tr><td>enumeration</td><td>18</td><td>NTP Aendern</td></tr> <tr><td>enumeration</td><td>20</td><td>Sperrtransaktion Applikation oder Berechtigung</td></tr> <tr><td>enumeration</td><td>21</td><td>Entsperrtransaktion Applikation oder Berechtigung</td></tr> <tr><td>enumeration</td><td>22</td><td>BI</td></tr> <tr><td>enumeration</td><td>23</td><td>BO</td></tr> <tr><td>enumeration</td><td>24</td><td>INOUT</td></tr> <tr><td>enumeration</td><td>25</td><td>Rueckgabetransaktion – Applikation oder Berechtigung</td></tr> <tr><td>enumeration</td><td>27</td><td>Kontrolle</td></tr> <tr><td>enumeration</td><td>28</td><td>Belastungstransaktion – Berechtigung und Gutschriften bei Rueckzahlung (POB/PEB/WEB)</td></tr> <tr><td>enumeration</td><td>29</td><td>Belastungstransaktion WEB mit Autoload</td></tr> <tr><td>enumeration</td><td>30</td><td>WEB Buchung(Laden/Entladen)</td></tr> <tr><td>enumeration</td><td>31</td><td>WEB-CI mit Autoload</td></tr> <tr><td>enumeration</td><td>32</td><td>WEB-CO mit Autoload</td></tr> <tr><td>enumeration</td><td>33</td><td>Kontrolle nach CI; BIBO oder Entwertung</td></tr> <tr><td>enumeration</td><td>34</td><td>Check personal (CPKontrolldatensatz fuer Kontrollterminal)</td></tr> <tr><td>enumeration</td><td>35</td><td>Auto CO</td></tr> <tr><td>enumeration</td><td>36</td><td>manuelles CO (nachtraeglich durch den Nutzer)</td></tr> </tbody> </table> |                                                                                      | maxInclusive | 255 |  | minInclusive | 0 |  | enumeration | 0 | Keine Angabe | enumeration | 1 | Ausgabetransaktion – Applikation oder Berechtigung | enumeration | 2 | Entwertung | enumeration | 11 | CI | enumeration | 12 | CO | enumeration | 15 | Einzahlung - Berechtigung | enumeration | 16 | CI nach Fahrtfortsetzung | enumeration | 18 | NTP Aendern | enumeration | 20 | Sperrtransaktion Applikation oder Berechtigung | enumeration | 21 | Entsperrtransaktion Applikation oder Berechtigung | enumeration | 22 | BI | enumeration | 23 | BO | enumeration | 24 | INOUT | enumeration | 25 | Rueckgabetransaktion – Applikation oder Berechtigung | enumeration | 27 | Kontrolle | enumeration | 28 | Belastungstransaktion – Berechtigung und Gutschriften bei Rueckzahlung (POB/PEB/WEB) | enumeration | 29 | Belastungstransaktion WEB mit Autoload | enumeration | 30 | WEB Buchung(Laden/Entladen) | enumeration | 31 | WEB-CI mit Autoload | enumeration | 32 | WEB-CO mit Autoload | enumeration | 33 | Kontrolle nach CI; BIBO oder Entwertung | enumeration | 34 | Check personal (CPKontrolldatensatz fuer Kontrollterminal) | enumeration | 35 | Auto CO | enumeration | 36 | manuelles CO (nachtraeglich durch den Nutzer) |
| maxInclusive   | 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                      |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| minInclusive   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                      |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Keine Angabe                                                                         |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ausgabetransaktion – Applikation oder Berechtigung                                   |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Entwertung                                                                           |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CI                                                                                   |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CO                                                                                   |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Einzahlung - Berechtigung                                                            |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CI nach Fahrtfortsetzung                                                             |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NTP Aendern                                                                          |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sperrtransaktion Applikation oder Berechtigung                                       |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Entsperrtransaktion Applikation oder Berechtigung                                    |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | BI                                                                                   |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | BO                                                                                   |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | INOUT                                                                                |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rueckgabetransaktion – Applikation oder Berechtigung                                 |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Kontrolle                                                                            |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Belastungstransaktion – Berechtigung und Gutschriften bei Rueckzahlung (POB/PEB/WEB) |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Belastungstransaktion WEB mit Autoload                                               |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | WEB Buchung(Laden/Entladen)                                                          |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | WEB-CI mit Autoload                                                                  |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | WEB-CO mit Autoload                                                                  |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Kontrolle nach CI; BIBO oder Entwertung                                              |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Check personal (CPKontrolldatensatz fuer Kontrollterminal)                           |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Auto CO                                                                              |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |
| enumeration    | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | manuelles CO (nachtraeglich durch den Nutzer)                                        |              |     |  |              |   |  |             |   |              |             |   |                                                    |             |   |            |             |    |    |             |    |    |             |    |                           |             |    |                          |             |    |             |             |    |                                                |             |    |                                                   |             |    |    |             |    |    |             |    |       |             |    |                                                      |             |    |           |             |    |                                                                                      |             |    |                                        |             |    |                             |             |    |                     |             |    |                     |             |    |                                         |             |    |                                                            |             |    |         |             |    |                                               |

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------|
|         | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 37                                        | Ausgabe EFS ueber Aktionsliste             |
|         | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 38                                        | Entsperrtransaktion EFS ueber Aktionsliste |
|         | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 39                                        | Rückgabetransaktion EFS ueber Aktionsliste |
| Used by | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tns:TX_LOG_Type/tns:logTransaktionsTyp_ID |                                            |
| Source  | <pre>&lt;xs:simpleType name="NmTransaktionsTyp_CODE"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der NmTransaktionstyp_CODE klassifiziert Arten von Transaktionen, die mit Wertobjekten auf dem Nutzermedium auftreten&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Keine Angabe&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Ausgabetransaktion - Applikation oder Berechtigung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Entwertung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="11"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;CI&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="12"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;C0&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="15"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Einzahlung - Berechtigung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="16"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;CI nach Fahrtfortsetzung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="18"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;NTP Aendern&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="20"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Sperrtransaktion Applikation oder Berechtigung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="21"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Entsperrtransaktion Applikation oder Berechtigung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="22"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;BI&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="23"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;B0&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="24"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;INOUT&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="25"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Rueckgabetransaktion - Applikation oder Berechtigung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                           |                                            |

```

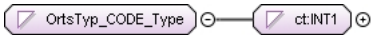
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<xs:enumeration value="27">
  <xs:annotation>
    <xs:documentation>Kontrolle</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="28">
  <xs:annotation>
    <xs:documentation>Belastungstransaktion - Berechtigung und Gutschriften bei Rueckzahlung
(POB/PEB/WEB)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
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  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
    <xs:documentation>WEB Buchung(Laden/Entladen)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
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</xs:enumeration>
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  <xs:annotation>
    <xs:documentation>WEB-CO mit Autoload</xs:documentation>
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  <xs:annotation>
    <xs:documentation>Kontrolle nach CI; BIBO oder Entwertung</xs:documentation>
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</xs:enumeration>
<xs:enumeration value="34">
  <xs:annotation>
    <xs:documentation>Check personal (CPKontrolldatensatz fuer Kontrollterminal)</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="35">
  <xs:annotation>
    <xs:documentation>Auto CO</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="36">
  <xs:annotation>
    <xs:documentation>manuelles CO (nachtraeglich durch den Nutzer)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
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  </xs:annotation>
</xs:enumeration>
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  <xs:annotation>
    <xs:documentation>Rueckgabetransaktion EFS ueber Aktionsliste</xs:documentation>
  </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```

|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| Schema location | file://tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|------------------------------------------------------------------------------------------------------------|

## Simple Type tns:OrtsTyp\_CODE\_Type

|             |                                                                                                                                                                                                                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                      |
| Annotations | Classifies locations, see Spec BOM, table 6-69.<br>Die direkte Referenz auf die Aufzaehlung wurde im Rahmen von CR-239 entfernt und damit die automatische Validierung auf die Beschraenkung der Aufzaehlungselemente entfernt, um Codes erweitern zu koennen. Der sematische Check muss in der Software |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
|                 | mit Hilfe der Aufzaehlung OrtsTypeEnum_Type im entsprechenden Schema (XML-Schema_ION_Enums_ext-1.x.x.xsd) umgesetzt werden.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |
| Type            | tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:OrtsTyp_CODE_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 255                    |
|                 | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                      |
| Used by         | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tns:Ort_ID_Type/ortTyp |
| Source          | <pre>&lt;xs:simpleType name="OrtsTyp_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Classifies locations, see Spec BOM, table 6-69. Die direkte Referenz auf die     Aufzaehlung wurde im Rahmen von CR-239 entfernt und damit die automatische Validierung auf die     Beschraenkung der Aufzaehlungselemente entfernt, um Codes erweitern zu koennen. Der sematische     Check muss in der Software mit Hilfe der Aufzaehlung OrtsTypeEnum_Type im entsprechenden Schema     (XML-Schema_ION_Enums_ext-1.x.x.xsd) umgesetzt werden.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"/&gt; &lt;/xs:simpleType&gt;</pre> |                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |

### Simple Type tns:AuftragsTyp\_CODE

|                 |                                                                                                                                                                                                                                                                                                                        |                                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                    |                                     |
| Annotations     | Der Code des Auftrages als Aufzaehlung.                                                                                                                                                                                                                                                                                |                                     |
| Diagram         |                                                                                                                                                                                                                                     |                                     |
| Type            | tns:INT1                                                                                                                                                                                                                                                                                                               |                                     |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:AuftragsTyp_CODE</li> </ul>                                                                                                                                                                                                       |                                     |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                           | 255                                 |
|                 | minInclusive                                                                                                                                                                                                                                                                                                           | 0                                   |
| Used by         | Element                                                                                                                                                                                                                                                                                                                | tns:TXAS_Type/transSendeAuftragstyp |
| Source          | <pre>&lt;xs:simpleType name="AuftragsTyp_CODE"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der Code des Auftrages als Aufzaehlung.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;!-- TODO: bitte als Aufzaehlung!!! --&gt;   &lt;xs:restriction base="ct:INT1"/&gt; &lt;/xs:simpleType&gt;</pre> |                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                           |                                     |

### Simple Type tns:Abrechnungsverfahren\_CODE\_Type

|                |                                                                                                                                |  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------|--|
| Namespace      | http://vdv/ka/ion/2                                                                                                            |  |
| Annotations    | Der Abrechnungsverfahren_CODE klassifiziert das Verfahren der Fahrpreisabrechnung.                                             |  |
| Diagram        |                                             |  |
| Type           | restriction of tns:INT1                                                                                                        |  |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Abrechnungsverfahren_CODE_Type</li> </ul> |  |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                        |              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 255                                                                                                                                    |              |
|                 | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                                                                                                                                      |              |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0                                                                                                                                      | Keine Angabe |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                                                                                                                                      | Pre-Paid     |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                                                                                      | Post-Paid    |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                                                                                                                                      | Trip-Paid    |
| Used by         | Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tns:TXANLN_Type/tns:prodAbrechnungsVerfahren, tns:TXAUSEFS_Type/tns:prodAbrechnungsVerfahren, tns:TX_BER_Type/prodAbrechnungsVerfahren |              |
| Source          | <pre>&lt;xs:simpleType name="Abrechnungsverfahren_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der Abrechnungsverfahren_CODE klassifiziert das Verfahren der     Fahrpreisabrechnung.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Keine Angabe&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Pre-Paid&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Post-Paid&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Trip-Paid&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                                                                                                                        |              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                        |              |

## Simple Type tns:Bezahlart\_CODE\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                    |  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|
| Namespace      | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                    |  |
| Annotations    | <p>Der BezahlArt_CODE klassifiziert Arten der Bezahlung (von Wertobjekten der Kernapplikation).</p> <p>Die direkte Referenz auf die Aufzaehlung wurde im Rahmen von CR-239 entfernt und damit die automatische Validierung auf die Beschraenkung der Aufzaehlungselemente entfernt, um Codes erweitern zu koennen. Der sematische Check muss in der Software mit Hilfe der Aufzaehlung BezahlartEnum_Type im entsprechenden Schema (XML-Schema_ION_Enums_ext-1.x.x.xsd) umgesetzt werden.</p>            |                                                                                                    |  |
| Diagram        | <pre>classDiagram     class Bezahlart_CODE_Type     class ct_INT1     Bezahlart_CODE_Type -- &gt; ct_INT1</pre>                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                    |  |
| Type           | tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                    |  |
| Type hierarchy | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT1<ul style="list-style-type: none"><li>• tns:Bezahlart_CODE_Type</li></ul></li></ul></li></ul>                                                                                                                                                                                                                                                                                                      |                                                                                                    |  |
| Facets         | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 255                                                                                                |  |
|                | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0                                                                                                  |  |
| Used by        | Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | tns:TXANLN_Type/tns:berBezahlArt, tns:TXAUSEFS_Type/tns:berBezahlArt, tns:TX_BER_Type/berBezahlArt |  |
| Source         | <pre>&lt;xs:simpleType name="Bezahlart_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der BezahlArt_CODE klassifiziert Arten der Bezahlung (von Wertobjekten der     Kernapplikation). Die direkte Referenz auf die Aufzaehlung wurde im Rahmen von CR-239 entfernt     und damit die automatische Validierung auf die Beschraenkung der Aufzaehlungselemente entfernt,     um Codes erweitern zu koennen. Der sematische Check muss in der Software mit Hilfe der Aufzaehlung</pre> |                                                                                                    |  |

|                 |                                                                                                                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <p>BezahlartEnum_Type im entsprechenden Schema (XML-Schema_ION_Enums_ext-1.x.x.xsd) umgesetzt werden.&lt;/xs:documentation&gt;<br/> &lt;/xs:annotation&gt;<br/> &lt;xs:restriction base="ct:INT1"/&gt;<br/> &lt;/xs:simpleType&gt;</p> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                           |

## Simple Type tns:TerminalTyp\_CODE\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |     |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |     |              |   |
| Annotations     | <p>Classifies terminals. From EN 1545: DeviceTypeCode. See Spec BOM table 6-85. Der TerminalTyp_CODE klassifiziert Terminals. Die direkte Referenz auf die Aufzaehlung wurde im Rahmen von CR-239 entfernt und damit die automatische Validierung auf die Beschraenkung der Aufzaehlungselemente entfernt, um Codes erweitern zu koennen. Der sematische Check muss in der Software mit Hilfe der Aufzaehlung TerminalTypeEnum_Type im entsprechenden Schema (XML-Schema_ION_Enums_ext-1.x.x.xsd) umgesetzt werden.</p>                                                                                                                                                                                                                                |              |     |              |   |
| Diagram         | <pre> graph LR     TerminalTyp_CODE_Type[TerminalTyp_CODE_Type] --- restriction  ct:INT1[ct:INT1] </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |     |              |   |
| Type            | tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:TerminalTyp_CODE_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |     |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |     |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |     |              |   |
| Used by         | Element tns:Terminal_ID_Type/terminalTyp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |     |              |   |
| Source          | <pre> &lt;xs:simpleType name="TerminalTyp_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Classifies terminals. From EN 1545: DeviceTypeCode. See Spec BOM table 6-85. Der TerminalTyp_CODE klassifiziert Terminals. Die direkte Referenz auf die Aufzaehlung wurde im Rahmen von CR-239 entfernt und damit die automatische Validierung auf die Beschraenkung der Aufzaehlungselemente entfernt, um Codes erweitern zu koennen. Der sematische Check muss in der Software mit Hilfe der Aufzaehlung TerminalTypeEnum_Type im entsprechenden Schema (XML-Schema_ION_Enums_ext-1.x.x.xsd) umgesetzt werden.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"/&gt; &lt;/xs:simpleType&gt; </pre> |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |     |              |   |

## Simple Type tns:SAM\_ID\_Type

|                |                                                                                                                                                                                                                                                                                            |              |          |              |   |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Namespace      | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                        |              |          |              |   |
| Annotations    | Type: Eindeutiger Identifizierer eines Secure Application Module (SAM)                                                                                                                                                                                                                     |              |          |              |   |
| Diagram        | <pre> graph LR     SAM_ID_Type[SAM_ID_Type] --- restriction  ct:ReferenceNumberThree[ct:ReferenceNumberThree] </pre>                                                                                                                                                                       |              |          |              |   |
| Type           | tns:ReferenceNumberThree                                                                                                                                                                                                                                                                   |              |          |              |   |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:ReferenceNumberThree</li> <li>tns:SAM_ID_Type</li> </ul>                                                                                                                                              |              |          |              |   |
| Facets         | <table> <tr> <td>maxInclusive</td><td>16777215</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                | maxInclusive | 16777215 | minInclusive | 0 |
| maxInclusive   | 16777215                                                                                                                                                                                                                                                                                   |              |          |              |   |
| minInclusive   | 0                                                                                                                                                                                                                                                                                          |              |          |              |   |
| Used by        | Elements tns:NmTransaktion_ID_Type/tns:SAM_ID.samNummer, tns:TXASKON_Type/tns:samSAM_ID, tns:TXSFREIMITS_Type/tns:samSperrkandidat, tns:TXSMITS_Type/tns:samSperrkandidat, tns:TXSNAWA_Req_Type/samSperrkandidat, tns:TXSNAWB_Req_Type/samSperrkandidat, tns:TXUEBERKON_Type/tns:samSAM_ID |              |          |              |   |
| Source         | <pre> &lt;xs:simpleType name="SAM_ID_Type"&gt; </pre>                                                                                                                                                                                                                                      |              |          |              |   |

|                 |                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:annotation&gt;   &lt;xs:documentation&gt;Type: Eindeutiger Identifizierer eines Secure Application Module (SAM)&lt;/ xs:documentation&gt; &lt;/xs:annotation&gt; &lt;xs:restriction base="ct:ReferenceNumberThree"/&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                       |

## Simple Type tns:Mitteilung\_CODE\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |   |             |   |             |   |             |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---|-------------|---|-------------|---|-------------|---|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |   |             |   |             |   |             |   |
| Annotations     | Typ: Mitteilung Codes BOM 6_40                                                                                                                                                                                                                                                                                                                                                                                                                              |             |   |             |   |             |   |             |   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |   |             |   |             |   |             |   |
| Type            | restriction of xs:unsignedInt                                                                                                                                                                                                                                                                                                                                                                                                                               |             |   |             |   |             |   |             |   |
| Facets          | <table> <tr><td>enumeration</td><td>1</td></tr> <tr><td>enumeration</td><td>2</td></tr> <tr><td>enumeration</td><td>3</td></tr> <tr><td>enumeration</td><td>4</td></tr> </table>                                                                                                                                                                                                                                                                            | enumeration | 1 | enumeration | 2 | enumeration | 3 | enumeration | 4 |
| enumeration     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |   |             |   |             |   |             |   |
| enumeration     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |   |             |   |             |   |             |   |
| enumeration     | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |   |             |   |             |   |             |   |
| enumeration     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |   |             |   |             |   |             |   |
| Used by         | Element tns:TX_SMIT_Type/sperrEntscheidung                                                                                                                                                                                                                                                                                                                                                                                                                  |             |   |             |   |             |   |             |   |
| Source          | <pre> &lt;xs:simpleType name="Mitteilung_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Mitteilung Codes BOM 6_40&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:unsignedInt"&gt;     &lt;xs:enumeration value="1"/&gt;     &lt;xs:enumeration value="2"/&gt;     &lt;xs:enumeration value="3"/&gt;     &lt;xs:enumeration value="4"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |             |   |             |   |             |   |             |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                |             |   |             |   |             |   |             |   |

## Simple Type tns:TransSignatur\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                          |
| Annotations     | Typ fuer die Signatur auf der Transaktion (altes Verfahren)                                                                                                                                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                              |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                                  |
| Facets          | length 128                                                                                                                                                                                                                                                                                                                                                                   |
| Used by         | Elements tns:ION_TX_HEADER_Type/transSignatur, tns:TX_RET_Type/transOrigSignatur                                                                                                                                                                                                                                                                                             |
| Source          | <pre> &lt;xs:simpleType name="TransSignatur_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ fuer die Signatur auf der Transaktion (altes Verfahren)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="128" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                 |

## Simple Type tns:SperrlistenZyklusNummer\_Type

|             |                                                                                                                                                                                                                                                                                                                                         |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                     |
| Annotations | <p>Die sperrlistenZyklusNummer ist eine streng Monoton aufsteigende Sequenznummer.</p> <p>Sie wird in einem festen konfigurierbaren Turnus zu einem bestimmten Zeitpunkt inkrementiert (z.B. 1 mal taeglich um 1:00 Uhr).</p> <p>Zu einer SperrlistenZyklusNummer werden alle Sperrobjektzustaende, die zu diesem Zeitpunkt im Kose</p> |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |            |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
|                 | <p>System erfasst wurden, assoziiert.<br/>Sie gilt Systemweit und ist nicht an Organisationen oder Rollen gebunden.</p> <p>Wird eine Differenzsperrliste unter Angabe der sperrlistenZyklusNummer angefordert, so werden alle Sperrobjektaenderungen zwischen dieser ZyklusNummer und der aktuellen ZyklusNummer uebertragen.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |            |              |   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |            |              |   |
| Type            | tns:INT4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:SperrlistenZyklusNummer_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |            |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |            |              |   |
| Used by         | Elements tns:TXSNAWA_Req_Type/zyklusNummer, tns:TXSNAWB_Req_Type/zyklusNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |            |              |   |
| Source          | <pre>&lt;xs:simpleType name="SperrlistenZyklusNummer_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Die sperrlistenZyklusNummer ist eine streng Monoton aufsteigende Sequenznummer. Sie wird in einem festen konfigurierbaren Turnus zu einem bestimmten Zeitpunkt inkrementiert (z.B. 1 mal taeglich um 1:00 Uhr). Zu einer SperrlistenZyklusNummer werden alle Sperrobjektzustaende, die zu diesem Zeitpunkt im Kose System erfasst wurden, assoziiert. Sie gilt Systemweit und ist nicht an Organisationen oder Rollen gebunden. Wird eine Differenzsperrliste unter Angabe der sperrlistenZyklusNummer angefordert, so werden alle Sperrobjektaenderungen zwischen dieser ZyklusNummer und der aktuellen ZyklusNummer uebertragen.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;     &lt;xs:restriction base="ct:INT4"/&gt;   &lt;/xs:simpleType&gt;</pre> |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |            |              |   |

## Complex Type(s)

### Complex Type tns:Ort\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations     | Typ: Datenstruktur Ort_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Used by         | Elements tns:AllgemeineTransaktionsdaten/tns:logTransaktionsOrt_ID, tns:EFSViaOrtsListe_Type/tns:efsViaort_ID, tns:TXKNAWA_Type/tns:logTransaktionsOrt_ID, tns:TXKNAWB_Type/tns:logTransaktionsOrt_ID, tns:TX_EFSLOG_Type/tns:efsStartort_ID, tns:TX_EFSLOG_Type/tns:efsZielort_ID, tns:TX_LOG_Type/tns:logTransaktionsort_ID                                                                                                                                                                                            |
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:complexType name="Ort_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Datenstruktur Ort_ID&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ortTyp" type="tns:OrtsTyp_CODE_Type"/&gt;     &lt;xs:element name="ortNummer" type="ct:ReferenceNumberThree"/&gt;     &lt;!-- Wilk Hoffmann: korrigiert --&gt;     &lt;xs:element name="ortDomaene_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                             |

### Complex Type tns:Terminal\_ID\_Type

|           |                     |
|-----------|---------------------|
| Namespace | http://vdv/ka/ion/2 |
|-----------|---------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | Typ: Datenstruktur Terminal_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Used by         | Elements tns:AllgemeineTransaktionsdaten/tns:logTerminal_ID, tns:TXKNAWA_Type/tns:logTerminal_ID, tns:TXKNAWB_Type/tns:logTerminal_ID                                                                                                                                                                                                                                                                                                                                                                  |
| Model           | terminalTyp , terminalNummer , terminalOwner_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children        | terminalNummer, terminalOwner_ID, terminalTyp                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source          | <pre> &lt;xs:complexType name="Terminal_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Datenstruktur Terminal_ID&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="terminalTyp" type="tns:TerminalTyp_CODE_Type"/&gt;     &lt;xs:element name="terminalNummer" type="ct:ReferenceNumberTwo"/&gt;     &lt;xs:element name="terminalOwner_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                           |

## Complex Type tns:NmApplikationInstanz\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Annotations     | Typ: ID einer Applikationsinstanz auf dem Nutzermedium                                                                                                                                                                                                                                                                                                                                                                                                    |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Used by         | Elements tns:TXADM_Type/tns:transappInstanz_ID, tns:TXKNAWA_Type/tns:appInstanz_ID, tns:TXSAN-FA_Type/tns:appInstanz_ID, tns:TXSMITA_Type/appSperrkandidat                                                                                                                                                                                                                                                                                                |
| Model           | NmAppInstanznummer , kvp_ID                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children        | NmAppInstanznummer, kvp_ID                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source          | <pre> &lt;xs:complexType name="NmApplikationInstanz_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: ID einer Applikationsinstanz auf dem Nutzermedium&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="NmAppInstanznummer" type="ct:ReferenceNumberFour"/&gt;     &lt;xs:element name="kvp_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                              |

## Complex Type tns:Berechtigung\_ID\_Type

|             |                                                                                                                                                                                                                                                                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                              |
| Annotations | Typ: ID einer Berechtigung                                                                                                                                                                                                                                                                                                                       |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                  |
| Used by     | Elements tns:TXANLN_Type/tns:berBerechtigung_ID, tns:TXASBER_Type/tns:berBerechtigung_ID, tns:TXAUSEFS_Type/tns:berBerechtigung_ID, tns:TXBEKODL_Type/tns:berBerechtigung_ID, tns:TXKNAWB_Type/tns:berBerechtigung_ID, tns:TXSANFB_Type/tns:berBerechtigung_ID, tns:TXSFREIMITB_Type/tns:berSperrkandidat, tns:TXSMITB_Type/tns:berSperrkandidat |
| Model       | berechtigungNummer , kvp_ID                                                                                                                                                                                                                                                                                                                      |
| Children    | berechtigungNummer, kvp_ID                                                                                                                                                                                                                                                                                                                       |
| Source      | <pre> &lt;xs:complexType name="Berechtigung_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: ID einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre>                                                                                                                                                 |

|                 |                                                                                                                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:annotation&gt; &lt;xs:sequence&gt;   &lt;xs:element name="berechtigungNummer" type="ct:ReferenceNumberFour"/&gt;   &lt;xs:element name="kvp_ID" type="ka:Organisation_ID"/&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                     |

## Complex Type tns:EFMProdukt\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Annotations     | Typ: Datenstruktur EFMProdukt_ID, bestehend aus Produktverantwortlichen und Produktnummer (zusammen eindeutig)                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Used by         | Elements<br>tns:TXANLN_Type/tns:prodProdukt_ID, tns:TXASBER_Type/tns:prodProdukt_ID, tns:TX-AUSEFS_Type/tns:prodProdukt_ID, tns:TXDEABER_Req_Type/prodProdukt_ID, tns:TXSANF-B_Type/tns:prodProdukt_ID                                                                                                                                                                                                                                                                                                                                    |
| Model           | produktNummer{0,1} , organisationID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children        | organisationID, produktNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source          | <pre> &lt;xs:complexType name="EFMProdukt_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Datenstruktur EFMProdukt_ID, bestehend aus Produktverantwortlichen und     Produktnummer (zusammen eindeutig)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="produktNummer" type="ct:ReferenceNumberTwo" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="organisationID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Complex Type tns:Transaktionsdatensatz\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Annotations     | Typ: Transaktionsdatensatz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by         | Elements<br>tns:TXABER_Type/tns:ausgabeTransaktionBerechtigung, tns:TXAENBER_Type/tns:fahrttransaktion, tns:TXBEKODL_Type/tns:fahrttransaktion, tns:TXBEWEBKOKVP_Type/tns:belastungstransaktion-Berechtigung, tns:TXEBER_Type/tns:fahrttransaktion, tns:TXGKO_Type/tns:belastungstransaktion-Berechtigung, tns:TXGWEB_Type/tns:belastungstransaktionBerechtigung, tns:TXLPEB_Type/tns:einzahlungsbelegBerechtigung, tns:TXRBER_Type/tns:ruecknahmeTransaktionBerechtigung, tns:TXSNAWA_Req_Type/sperrtransaktionApplikation, tns:TXSNAWB_Req_Type/sperrtransaktionBerechtigung |
| Model           | Transaktionsdaten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Children        | Transaktionsdaten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source          | <pre> &lt;xs:complexType name="Transaktionsdatensatz_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Transaktionsdatensatz&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Transaktionsdaten" type="xs:hexBinary"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>                                                                                                                                                                                                                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Complex Type tns:SymSchluessel\_ID\_Type

|             |                     |
|-------------|---------------------|
| Namespace   | http://vdv/ka/ion/2 |
| Annotations | Typ: Schluessel ID  |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Used by         | Elements<br>tns:TXASKON_Type/tns:samSchluessel_ID, tns:TXSANFSYMK_Type/keySperrkandidatsym, tns:TXSFREIMITSYMK_Type/keySperrkandidatsym, tns:TXSMITSYMK_Type/keySperrkandidatsym, tns:TXTRANSABBRUCH_Type/tns:MKAH-PV-NM-MAC_ID, tns:TXTRANSABBRUCH_Type/tns:MKKVP--NM-MAC_ID, tns:TXUEBERKON_Type/tns:samSchluessel_ID, tns:appNmTransaktionMAC_Type/appMAC_AH_Schluessel_ID, tns:appNmTransaktionMAC_Type/appMAC_KVP_Schluessel_ID, tns:berNmTransaktionMAC_Type/berMAC_KVP_Schluessel_ID, tns:berNmTransaktionMAC_Type/berMAC_PV_Schluessel_ID |
| Model           | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children        | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:complexType name="SymSchluessel_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Schluessel ID&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="schluesselNummer" type="ct:INT1"/&gt;     &lt;xs:element name="schluesselVersion" type="ct:INT1"/&gt;     &lt;xs:element name="schluesselInhaber_ID" type="ct:ReferenceNumberTwo"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Complex Type tns:ASymSchluessel\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                        |
| Annotations     | Type: Identifizierungsmerkmal, das den Schluessel eindeutig bestimmt.                                                                                                                                                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                            |
| Used by         | Elements<br>tns:TXSANFASYMK_Type/keySperrkandidatsym, tns:TXSFREIMITASYMK_Type/keySperrkandidatsym, tns:TXSMITASYMK_Type/keySperrkandidatsym                                                                                                                                                                                                                                               |
| Model           | signaturSchluessel                                                                                                                                                                                                                                                                                                                                                                         |
| Children        | signaturSchluessel                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:complexType name="ASymSchluessel_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Type: Identifizierungsmerkmal, das den Schluessel eindeutig bestimmt.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="signaturSchluessel" type="ct:OctetString12"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                               |

## Complex Type tns:appNmTransaktionMAC\_Type

|             |                                                                             |
|-------------|-----------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                         |
| Annotations | Typ: MAC-Sicherung fuer Applikations-Transaktionen                          |
| Diagram     |                                                                             |
| Used by     | Element<br>tns:TXSNAWA_Req_Type/appNmTransaktionMAC                         |
| Model       | appMAC_AH , appMAC_KVP , appMAC_AH_Schluessel_ID , appMAC_KVP_Schluessel_ID |
| Children    | appMAC_AH, appMAC_AH_Schluessel_ID, appMAC_KVP, appMAC_KVP_Schluessel_ID    |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source          | <pre> &lt;xs:complexType name="appNmTransaktionMAC_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: MAC-Sicherung fuer Applikations-Transaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="appMAC_AH" type="ct:OctetString8"/&gt;     &lt;xs:element name="appMAC_KVP" type="ct:OctetString8"/&gt;     &lt;xs:element name="appMAC_AH_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type"/&gt;     &lt;xs:element name="appMAC_KVP_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Complex Type tns:berNmTransaktionMAC\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations     | Typ: MAC-Sicherung fuer Berechtigungs-Transaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Diagram         | <pre> graph LR     berNmTransaktionMAC_Type[berNmTransaktionMAC_Type] -- sequence --&gt; berMAC_PV[berMAC_PV]     berNmTransaktionMAC_Type -- sequence --&gt; berMAC_KVP[berMAC_KVP]     berNmTransaktionMAC_Type -- sequence --&gt; berMAC_PV_Schluesssel_ID[berMAC_PV_Schluesssel_ID]     berNmTransaktionMAC_Type -- sequence --&gt; berMAC_KVP_Schluesssel_ID[berMAC_KVP_Schluesssel_ID] </pre>                                                                                                                                                                                                                      |
| Used by         | <p>Elements</p> <p>tns:TXABER_Type/tns:berNmTransaktionMAC, tns:TXAENBER_Type/tns:berNmTransaktionMAC, tns:TXBEKODL_Type/tns:berNmTransaktionMAC, tns:TXBEWEBKOKVP_Type/tns:berNmTransaktionMAC, tns:TXEBER_Type/tns:berNmTransaktionMAC, tns:TXGKO_Type/tns:berNmTransaktionMAC, tns:TXGWEB_Type/tns:berNmTransaktionMAC, tns:TXLPEB_Type/tns:berNmTransaktionMAC, tns:TXRBER_Type/tns:berNmTransaktionMAC, tns:TXSNAWB_Req_Type/berNmTransaktionMAC</p>                                                                                                                                                                |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesssel_ID , berMAC_KVP_Schluesssel_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Children        | berMAC_KVP, berMAC_KVP_Schluesssel_ID, berMAC_PV, berMAC_PV_Schluesssel_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source          | <pre> &lt;xs:complexType name="berNmTransaktionMAC_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: MAC-Sicherung fuer Berechtigungs-Transaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="berMAC_PV" type="ct:OctetString8"/&gt;     &lt;xs:element name="berMAC_KVP" type="ct:OctetString8"/&gt;     &lt;xs:element name="berMAC_PV_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type"/&gt;     &lt;xs:element name="berMAC_KVP_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Complex Type tns:IONTransaktion\_ID\_Type

|             |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                          |
| Annotations | <p>Typ: ID fuer Transaktionen, die ueber das ION (Interoperables Netzwerk) durchgefuehrt werden.</p> <p>Aufgabe dieses Elements ist es, eine Korrelation zwischen der Dienstanfrage und der ursprunglichen Dienstanfrage herzustellen.</p> <p>transSequenznummer wird initial vom Dienstafrufer vergeben und wird unveraendert fuer die Dauer der Kommunikation genutzt.</p> |
| Diagram     | <pre> graph LR     IONTransaktion_ID_Type[IONTransaktion_ID_Type] -- sequence --&gt; transSequenznummer[transSequenznummer]     IONTransaktion_ID_Type -- sequence --&gt; transSenderRolle[transSenderRolle]     IONTransaktion_ID_Type -- sequence --&gt; transSender_ID[transSender_ID] </pre>                                                                             |
| Used by     | <p>Elements</p> <p>tns:ION_TX_HEADER_Type/transTransaktion_ID, tns:TX_RET_Type/transOrigID, tns:TX_SMIT_Type/sperrAnforderungBezug</p>                                                                                                                                                                                                                                       |
| Model       | transSequenznummer , transSenderRolle , transSender_ID                                                                                                                                                                                                                                                                                                                       |
| Children    | transSenderRolle, transSender_ID, transSequenznummer                                                                                                                                                                                                                                                                                                                         |
| Source      | <pre> &lt;xs:complexType name="IONTransaktion_ID_Type"&gt; </pre>                                                                                                                                                                                                                                                                                                            |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:annotation&gt;   &lt;xs:documentation&gt;Typ: ID fuer Transaktionen, die ueber das ION (Interoperables Netzwerk)   durchgefuehrt werden. Aufgabe dieses Elements ist es, eine Korrelation zwischen der Dienstantwort   und der ursprunglichen Dienstanfrage herzustellen. transSequenznummer wird initial vom   Dienstaufrufer vergeben und wird unveraendert fuer die Dauer der Kommunikation genutzt.&lt;/   &lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;xs:sequence&gt;   &lt;xs:element name="transSequenznummer" type="ct:SequenceNumberFour"/&gt;   &lt;xs:element name="transSenderRolle" type="ka:KommunikationsParterRolle"/&gt;   &lt;xs:element name="transSender_ID" type="ka:Organisation_ID"/&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Complex Type tns:ION\_TX\_HEADER\_Type

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Annotations | Routing relevante Daten des Nachrichtenkopfs von VDV KA Transaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by     | Element tns:TX_BASE_Type/txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Model       | transAuftrag{0,1}, transEmpfaenger_ID, transEmpfaengerRolle, transStatus{0,1}, transTransaktion_ID, transTransaktionsTyp{0,1}, transTransaktionsZeitpunkt, transVersion{0,1}, transWiederholungsZaehler{0,1}, transSignaturTyp{0,1}, transSignaturZertifikat{0,1}, transSignatur{0,1}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Children    | transAuftrag, transEmpfaengerRolle, transEmpfaenger_ID, transSignatur, transSignaturTyp, transSignaturZertifikat, transStatus, transTransaktion_ID, transTransaktionsTyp, transTransaktionsZeitpunkt, transVersion, transWiederholungsZaehler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source      | <pre> &lt;xs:complexType name="ION_TX_HEADER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Routing relevante Daten des Nachrichtenkopfs von VDV KA Transaktionen&lt;/   &lt;/xs:documentation&gt; &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="transAuftrag" type="xs:string" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="transEmpfaenger_ID" type="ka:Organisation_ID"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Eindeutige OrganisationsId des Nachrichtenempfaengers&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="transEmpfaengerRolle" type="ka:KommunikationsParterRolle"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Rolle des Nachrichtenempfaengers&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="transStatus" type="ct:INT1" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="transTransaktion_ID" type="tns:IONTransaktion_ID_Type"/&gt;     &lt;xs:element name="transTransaktionsTyp" type="ct:INT1" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="transTransaktionsZeitpunkt" type="ct:DateTime"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Zeitpunkt der Dienstanfrage gemaess den Angaben der Dienstaufrufers.         Achtung: Aufgrund von potentiell unsynchronisierten, lokalen Uhren der Kommunikationspartnern ist         moeglicherweise die Aussagekraft dieses Feldes sehr gering.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt; </pre> |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="transVersion" type="ct:BitString16" minOccurs="0" maxOccurs="1"/&gt; &lt;xs:element name="transWiederholungsZaehler" type="ct:INT1" minOccurs="0" maxOccurs="1"/&gt; &lt;xs:element name="transSignaturTyp" type="ct:INT1" minOccurs="0" maxOccurs="1"/&gt; &lt;xs:element name="transSignaturZertifikat" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:hexBinary"&gt;       &lt;xs:length value="378" fixed="true"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; &lt;xs:element name="transSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Complex Type tns:TX\_BASE\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Basisdaten fuer alle Transaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Used by         | <p>Complex Types</p> <p>tns:TXABER_Type, tns:TXADM_Type, tns:TXAEBER_Type, tns:TXAENBER_Type, tns:TXANLN_Type, tns:TXAS_Type, tns:TXAUSEFS_Type, tns:TXBEKODL_Type, tns:TXBEWEBKOKVP_Type, tns:TXDEABER_Req_Type, tns:TXEBER_Type, tns:TXGKO_Type, tns:TXGWEB_Type, tns:TXKNAWA_Type, tns:TXKNAWB_Type, tns:TXLPEB_Type, tns:TXRBER_Type, tns:TXSNAWA_Req_Type, tns:TXSNAWB_Req_Type, tns:TXTRANSABBRUCH_Type, tns:TXUEBERKON_Type, tns:TX_RET_Type, tns:TX_SANF_Type, tns:TX_SMIT_Type</p>                                                          |
| Model           | txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children        | txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source          | <pre> &lt;xs:complexType name="TX_BASE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Basisdaten fuer alle Transaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="txbase" type="tns:ION_TX_HEADER_Type"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Fachliche Daten ueber die in der Transaktion involvierten Systeme&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Complex Type tns:TX\_RET\_Type

|                |                                                                                             |
|----------------|---------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                         |
| Annotations    | Typ: Basisdaten fuer Antworttransaktion                                                     |
| Diagram        |                                                                                             |
| Type           | extension of tns:TX_BASE_Type                                                               |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> </ul> |
| Used by        | <p>Complex Types</p> <p>tns:TXA_Type, tns:TXB_Type</p>                                      |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Children        | transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source          | <pre> &lt;xs:complexType name="TX_RET_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Antworttransaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="transOrigID" type="tns:IONTransaktion_ID_Type"/&gt;         &lt;xs:element name="transOrigSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/&gt;         &lt;xs:element name="transOriginalZeit" type="xs:dateTime"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Complex Type tns:TX\_SMIT\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Annotations     | Typ: Basisdaten fuer Sperrmitteilungen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Used by         | Complex Types<br>tns:TXSFREIMITASYMK_Type, tns:TXSFREIMITB_Type, tns:TXSFREIMITO_Type, tns:TXSFREIMITSYMK_Type, tns:TXSFREIMITS_Type, tns:TXSMITASYMK_Type, tns:TXSMITASYMTA_Type, tns:TXSMITB_Type, tns:TXSMITO_Type, tns:TXSMITSYMK_Type, tns:TXSMITS_Type                                                                                                                                                                                                                                                                                                                                          |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children        | sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source          | <pre> &lt;xs:complexType name="TX_SMIT_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Sperrmitteilungen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="sperrAnforderungBezug" type="tns:IONTransaktion_ID_Type"/&gt;         &lt;xs:element name="sperrEntscheidung" type="tns:Mitteilung_CODE_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Complex Type tns:TX\_SANF\_Type

|             |                                         |
|-------------|-----------------------------------------|
| Namespace   | http://vdv/ka/ion/2                     |
| Annotations | Typ: Basisdaten fuer Sperranforderungen |
| Diagram     |                                         |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Used by         | Complex Types tns:TXSANFASYMK_Type, tns:TXSANFA_Type, tns:TXSANFB_Type, tns:TXSANFSYMK_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Model           | txbase , sperrSperrgrund                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Children        | sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Source          | <pre> &lt;xs:complexType name="TX_SANF_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Sperranforderungen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;!-- Wilk Hoffmann: muss spaeter aus Aufzaehlung kommen --&gt;         &lt;xs:element name="sperrSperrgrund" type="ct:INT1"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Complex Type tns:TX\_BER\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Annotations     | Typ: Basisdaten fuer Berechtigungstransaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Used by         | Elements tns:TXABER_Type/tns:tx_ber, tns:TXAEBER_Type/tns:tx_ber                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | berGueltigkeitsbeginn , berGueltigkeitsende , prodAbrechnungsVerfahren , berBezahlArt , berBezahlMittel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Children        | berBezahlArt, berBezahlMittel, berGueltigkeitsbeginn, berGueltigkeitsende, prodAbrechnungsVerfahren                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre> &lt;xs:complexType name="TX_BER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Berechtigungstransaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="berGueltigkeitsbeginn" type="ct:DateTimeCompact"/&gt;     &lt;xs:element name="berGueltigkeitsende" type="ct:DateTimeCompact"/&gt;     &lt;!-- Wilk Hoffmann: korrigiert --&gt;     &lt;xs:element name="prodAbrechnungsVerfahren" type="tns:Abrechnungsverfahren_CODE_Type"/&gt;     &lt;!-- Wilk Hoffmann: korrigiert --&gt;     &lt;xs:element name="berBezahlArt" type="tns:Bezahlart_CODE_Type"/&gt;     &lt;xs:element name="berBezahlMittel" type="ct:OctetString10"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Complex Type tns:TXA\_Type

|             |                                      |
|-------------|--------------------------------------|
| Namespace   | http://vdv/ka/ion/2                  |
| Annotations | Typ: Ablehnung einer ION-Transaktion |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type            | extension of tns:TX_RET_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> <li>tns:TXA_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Elements tns:TXA, tns:TXARequest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , transAblehnungGrund                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children        | transAblehnungGrund, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source          | <pre> &lt;xs:complexType name="TXA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ablehnung einer ION-Transaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_RET_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="transAblehnungGrund" type="ct:INT1"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;WICHTIG: Aus Historischen Gruenden ist TXA_Type ein allgemeiner             Typ, der von allen teilnehmenden Systemen genutzt wird. Das fuehrt dazu, dass sich alle Systeme             dieselben 'transAblehnungGrund' Fehlercodes teilen. Dies ist suboptimal, da, wann immer sich             einer der 'transAblehnungGrund' Fehlercodes veraendert, alle teilnehmenden Systeme angepasst,             getestet und in einer neuen Version zur Verfuegung gestellt werden muessten. Um TXA wie bisher             weiterverwenden zu koennen, und um das beschriebene Abhaengigkeitsproblem zu vermeiden, wurde             dieses Feld nicht mit expliziter Aufzaehlung der moeglichen Fehlercodes, sondern mit einem simplen             numerischen Typen versehen. Die genauen Fehlercodes sind der Schnittstelle des jeweiligen konkreten             teilnehmenden Systems zu entnehmen. Die Codes 0 bis 9 (einschliesslich) sind fuer allgemeine Fehler             reserviert und duerfen von den teilnehmenden Systemen nur fuer die vorgesehene Semantik verwendet             werden (siehe Typ 'CommonServiceResultCode'). Es wird empfohlen, fuer die vollstaendigkeit der             Schnittstelle, in den XSDs des jeweiligen Systems einen Aufzaehlungstypen vom Basistypen 'ct:INT1'             mit den jeweiligen Fehlercodes des Systems zu definieren.&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Complex Type tns:TXB\_Type

|             |                                         |
|-------------|-----------------------------------------|
| Namespace   | http://vdv/ka/ion/2                     |
| Annotations | Typ: Bestaetigung einer ION-Transaktion |
| Diagram     |                                         |

|                 |                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | extension of tns:TX_RET_Type                                                                                                                                                                                                                                                                                                      |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type <ul style="list-style-type: none"> <li>tns:TX_RET_Type <ul style="list-style-type: none"> <li>tns:TXB_Type</li> </ul> </li> </ul> </li> </ul>                                                                                                                             |
| Used by         | Elements tns:TXB, tns:TXBRequest                                                                                                                                                                                                                                                                                                  |
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit                                                                                                                                                                                                                                                                 |
| Children        | transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:complexType name="TXB_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Bestaetigung einer ION-Transaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_RET_Type"/&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                      |

## Complex Type tns:TXAS\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                    |         |          |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|---------|----------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                    |         |          |
| Annotations     | Typ: Aufforderung zum Senden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                    |         |          |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                    |         |          |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                                    |         |          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type <ul style="list-style-type: none"> <li>tns:TXAS_Type</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                    |         |          |
| Used by         | <table> <tr> <td>Complex Types</td><td>tns:TXASBER_Type, tns:TXASKON_Type</td></tr> <tr> <td>Element</td><td>tns:TXAS</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Complex Types | tns:TXASBER_Type, tns:TXASKON_Type | Element | tns:TXAS |
| Complex Types   | tns:TXASBER_Type, tns:TXASKON_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                    |         |          |
| Element         | tns:TXAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    |         |          |
| Model           | txbase , transSendeAuftrag , transSendeAuftragstyp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                    |         |          |
| Children        | transSendeAuftrag, transSendeAuftragstyp, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    |         |          |
| Source          | <pre>&lt;xs:complexType name="TXAS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Aufforderung zum Senden&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="transSendeAuftrag"&gt;           &lt;xs:simpleType&gt;             &lt;xs:restriction base="tns:PrintableString"&gt;               &lt;xs:minLength value="0"/&gt;               &lt;xs:maxLength value="10"/&gt;             &lt;/xs:restriction&gt;           &lt;/xs:simpleType&gt;         &lt;/xs:element&gt;         &lt;!-- TODO Wilk Hoffmann: Wenn dann bitte mit Aufzaehlung (verschoben bis stabil)--&gt;         &lt;xs:element name="transSendeAuftragstyp" type="tns:AuftragsTyp_CODE"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre> |               |                                    |         |          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                    |         |          |

## Complex Type tns:TXDEABER\_Req\_Type

|           |                     |
|-----------|---------------------|
| Namespace | http://vdv/ka/ion/2 |
|-----------|---------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | Typ: Dienstanfrage "Entfernen einer Produkt Akzeptanz fuer alle Organisationen"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Type hierarchy  | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TXDEABER_Req_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Used by         | Element tns:TXDEABER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Model           | txbase , prodAkzeptanzEnde , prodProdukt_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Children        | prodAkzeptanzEnde, prodProdukt_ID, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source          | <pre> &lt;xs:complexType name="TXDEABER_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Dienstanfrage "Entfernen einer Produkt Akzeptanz fuer alle Organisationen"&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="prodAkzeptanzEnde" type="ct:Date"/&gt;         &lt;xs:element name="prodProdukt_ID" type="tns:EFMPprodukt_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Complex Type tns:TXSMITA\_Type

|                |                                                                                                                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                                                                                                                        |
| Annotations    | Typ: Sperrmitteilung Applikation                                                                                                                                                                                           |
| Diagram        |                                                                                                                                                                                                                            |
| Type           | extension of tns:TX_SMIT_Type                                                                                                                                                                                              |
| Type hierarchy | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TX_SMIT_Type</li> <li>• tns:TXSMITA_Type</li> </ul>                                                                                               |
| Used by        | Complex Type tns:TXSFREIMITA_Type<br>Element tns:TXSMITA                                                                                                                                                                   |
| Model          | txbase , sperrAnforderungBezug , sperrEntscheidung , appSperrkandidat                                                                                                                                                      |
| Children       | appSperrkandidat, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                         |
| Source         | <pre> &lt;xs:complexType name="TXSMITA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrmitteilung Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt; </pre> |

|                 |                                                                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:extension base="tns:TX_SMIT_Type"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="appSperrkandidat" type="tns:NmApplikationInstanz_ID_Type"       nillable="false"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:extension&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                        |

## Complex Type tns:TXSFREIMITA\_Type

|                 |                                                                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                           |
| Annotations     | Typ: Sperrfreigabemitteilung Applikation                                                                                                                                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                                                                                                                               |
| Type            | extension of tns:TXSMITA_Type                                                                                                                                                                                                                                                                                                                 |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITA_Type</li> <li>tns:TXSFREIMITA_Type</li> </ul>                                                                                                                                                                                          |
| Used by         | Element tns:TXSFREIMITA                                                                                                                                                                                                                                                                                                                       |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , appSperrkandidat                                                                                                                                                                                                                                                                         |
| Children        | appSperrkandidat, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                            |
| Source          | <pre> &lt;xs:complexType name="TXSFREIMITA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TXSMITA_Type"/&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                  |

## Complex Type tns:TXSANFSYMK\_Type

|             |                                                           |
|-------------|-----------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                       |
| Annotations | Typ: Sperranforderung fuer einen symmetrischen Schluessel |
| Diagram     |                                                           |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | extension of tns:TX_SANF_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFSYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                         |
| Used by         | Complex Type tns:TXSAANFSYMK_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                 | Element tns:TXSANFSYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | txbase , sperrSperrgrund , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children        | keySperrkandidatsym, sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source          | <pre>&lt;xs:complexType name="TXSANFSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperranforderung fuer einen symmetrischen Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SANF_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Complex Type tns:TXSANFASYMK\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Typ: Sperranforderung fuer einen asymmetrischen Schluessel                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Type            | extension of tns:TX_SANF_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFASYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                           |
| Used by         | Complex Type tns:TXSAANFASYMK_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                 | Element tns:TXSANFASYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Model           | txbase , sperrSperrgrund , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children        | keySperrkandidatsym, sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:complexType name="TXSANFASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperranforderung fuer einen asymmetrischen Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SANF_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidatsym" type="tns:ASymSchluessel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Complex Type tns:TXSAANFSYMK\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                          |
| Annotations     | Typ: Sperraufhebungsanforderung fuer einen symmetrischen Schluessel                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                              |
| Type            | extension of tns:TXSANFSYMK_Type                                                                                                                                                                                                                                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TX_SANF_Type</li> <li>• tns:TXSANFSYMK_Type</li> <li>• tns:TXSAANFSYMK_Type</li> </ul>                                                                                                                                                                                                              |
| Used by         | Element tns:TXSAANFSYMK                                                                                                                                                                                                                                                                                                                                                      |
| Model           | txbase , sperrSperrgrund , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                               |
| Children        | keySperrkandidatsym, sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                 |
| Source          | <pre> &lt;xs:complexType name="TXSAANFSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperraufhebungsanforderung fuer einen symmetrischen Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TXSANFSYMK_Type" /&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                 |

## Complex Type tns:TXSAANFASYMK\_Type

|                |                                                                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                                                               |
| Annotations    | Typ: Sperraufhebungsanforderung fuer einen asymmetrischen Schluessel                                                                                              |
| Diagram        |                                                                                                                                                                   |
| Type           | extension of tns:TXSANFASYMK_Type                                                                                                                                 |
| Type hierarchy | <ul style="list-style-type: none"> <li>• tns:TX_BASE_Type</li> <li>• tns:TX_SANF_Type</li> <li>• tns:TXSANFASYMK_Type</li> <li>• tns:TXSAANFASYMK_Type</li> </ul> |

|                 |                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Used by         | Element tns:TXSAANFASYMK                                                                                                                                                                                                                                                                                                                                                     |
| Model           | txbase , sperrSperrgrund , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                               |
| Children        | keySperrkandidatsym, sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                 |
| Source          | <pre>&lt;xs:complexType name="TXSAANFASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperraufhebungsanforderung fuer einen asymmetrischen Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TXSANFASYMK_Type"/&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                 |

## Complex Type tns:TXSFREIMITSYMK\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Annotations     | Typ: Sperrfreigabemitteilung symmetrischer Schluessel                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITSYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                     |
| Used by         | Element tns:TXSFREIMITSYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Children        | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source          | <pre>&lt;xs:complexType name="TXSFREIMITSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung symmetrischer Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Complex Type tns:TXSFREIMITASYMK\_Type

|             |                                                        |
|-------------|--------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                    |
| Annotations | Typ: Sperrfreigabemitteilung asymmetrischer Schluessel |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITASYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                         |
| Used by         | Element tns:TXSFREIMITASYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children        | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source          | <pre> &lt;xs:complexType name="TXSFREIMITASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung asymmetrischer Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidatsym" type="tns:ASymSchluessel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Complex Type tns:TXSMITSYMK\_Type

|                |                                                                                                                                                                                                               |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                                                                                                           |
| Annotations    | Typ: Sperrmitteilung symmetrischer Schuessel                                                                                                                                                                  |
| Diagram        |                                                                                                                                                                                                               |
| Type           | extension of tns:TX_SMIT_Type                                                                                                                                                                                 |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITSYMK_Type</li> </ul>                                                                                     |
| Used by        | Element tns:TXSMITSYMK                                                                                                                                                                                        |
| Model          | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                                                                                                      |
| Children       | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                         |
| Source         | <pre> &lt;xs:complexType name="TXSMITSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrmitteilung symmetrischer Schuessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre> |

|                 |                                                                                                                                                                                                                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:annotation&gt; &lt;xs:complexContent&gt;   &lt;xs:extension base="tns:TX_SMIT_Type"&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:extension&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                   |

## Complex Type tns:TXSMITASYMK\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Annotations     | Typ: Sperrmitteilung asymmetrischer Schuessel                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITASYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by         | Element tns:TXSMITASYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Children        | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source          | <pre> &lt;xs:complexType name="TXSMITASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrmitteilung asymmetrischer Schuessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidatsym" type="tns:ASymSchluessel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                              |

## Complex Type tns:TXSNAWA\_Req\_Type

|             |                                                |
|-------------|------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                            |
| Annotations | Typ: Dienstanfrage "Sperrnachweis Applikation" |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXSNAWA_Req_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Used by         | Element tns:TXSNAWA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Model           | txbase , (samSperrkandidat   orgSperrkandidat) , zyklusNummer , sperrrtransaktionApplikation , appNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children        | appNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrrtransaktionApplikation, txbase, zyklusNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source          | <pre> &lt;xs:complexType name="TXSNAWA_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Dienstanfrage "Sperrnachweis Applikation"&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:choice minOccurs="0" maxOccurs="1"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;Wurde eine Applikation Aufgrund einer SAM bzw. Organisationssperre durchgefuehrt, so ist die SAM bzw. Org ID in dem jeweiligen Element zu uebermitteln.&lt;/ xs:documentation&gt;           &lt;/xs:annotation&gt;           &lt;xs:element name="samSperrkandidat" type="tns:SAM_ID_Type"/&gt;           &lt;xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/&gt;         &lt;/xs:choice&gt;         &lt;xs:element name="zyklusNummer" type="tns:SperrlistenZyklusNummer_Type"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;Die Sperrlisten-Zyklusnummer identifiziert eindeutig den Zeitpunkt der der Sperrliste zugrundeliegenden Sperrobjekte. Der Zyklus kann von einer NM-Liste oder einer ORG bzw. SAM Liste sein. Wenn samSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die SAM Liste, wenn orgSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die ORG Liste, ist nichts von beidem gesetzt, bezieht sich der Zyklus auf die NM Liste.&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;         &lt;xs:element name="sperrrtransaktionApplikation" type="tns:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="appNmTransaktionMAC" type="tns:appNmTransaktionMAC_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Complex Type tns:TXSNAWB\_Req\_Type

|             |                                                 |
|-------------|-------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                             |
| Annotations | Typ: Dienstanfrage "Sperrnachweis Berechtigung" |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXSNAWB_Req_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Used by         | Element tns:TXSNAWB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Model           | txbase , (samSperrkandidat   orgSperrkandidat) , zyklusNummer , sperrtransaktionBerechtigung , berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children        | berNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrtransaktionBerechtigung, txbase, zyklusNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source          | <pre> &lt;xs:complexType name="TXSNAWB_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Dienstanfrage "Sperrnachweis Berechtigung"&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:choice minOccurs="0" maxOccurs="1"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;Wurde eine Applikation Aufgrund einer SAM bzw. Organisationssperre             durchgefuehrt, so ist die SAM bzw. Org ID in dem jeweiligen Element zu uebermitteln.&lt;/             xs:documentation&gt;           &lt;/xs:annotation&gt;           &lt;xs:element name="samSperrkandidat" type="tns:SAM_ID_Type"/&gt;           &lt;xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/&gt;         &lt;/xs:choice&gt;         &lt;xs:element name="zyklusNummer" type="tns:SperrlistenZyklusNummer_Type"&gt;           &lt;xs:annotation&gt;             &lt;xs:documentation&gt;Die Sperrlisten-Zyklusnummer identifiziert eindeutig den Zeitpunkt             der der Sperrliste zugrundeliegenden Sperrobjekte. Der Zyklus kann von einer NM-Liste oder einer             ORG bzw. SAM Liste sein. Wenn samSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die SAM             Liste, wenn orgSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die ORG Liste, ist nichts             von beidem gesetzt, bezieht sich der Zyklus auf die NM Liste.&lt;/xs:documentation&gt;           &lt;/xs:annotation&gt;         &lt;/xs:element&gt;         &lt;xs:element name="sperrtransaktionBerechtigung" type="tns:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="berNmTransaktionMAC" type="tns:berNmTransaktionMAC_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

Namespace: ""

Element(s)

Element tns:VX\_Message\_Type / StatusCode

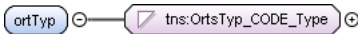
|                |                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------|
| Namespace      | No namespace                                                                                               |
| Diagram        |                                                                                                            |
| Type           | tns:StatusCode                                                                                             |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:StatusCode</li> </ul> |

|                 |                                                                                                                       |                                                                                                                                                                        |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties      | content:                                                                                                              | simple                                                                                                                                                                 |
| Facets          | maxInclusive                                                                                                          | 255                                                                                                                                                                    |
|                 | minInclusive                                                                                                          | 0                                                                                                                                                                      |
|                 | enumeration                                                                                                           | 0<br>Die Nachricht wurde erfolgreich entgegengenommen und alle notwendigen Informationen zur Weiterleitung liegen vor.                                                 |
|                 | enumeration                                                                                                           | 1<br>Ungueltige Nachricht. Die Sender ID oder die Routing Information kann nicht aus dem SOAP Header extrahiert werden.                                                |
|                 | enumeration                                                                                                           | 2<br>Ungleiche Sender ID. Die Sender ID, die im SOAP Header uebertragen wurde passt nicht zu der Sender ID, die in der VM zum Zertifikat des Senders hinterlegt wurde. |
|                 | enumeration                                                                                                           | 3<br>Unbekannter oder gesperrter Empfaenger oder zu den Routing Informationen ist in der VM keine technische Empfaengeradresse hinterlegt.                             |
|                 | enumeration                                                                                                           | 4<br>Verbindungsproblem zum Empfaenger. Es konnte keine Verbindung zum Empfaenger aufgebaut werden.                                                                    |
|                 | enumeration                                                                                                           | 5<br>Timeout. Der Empfaenger antwortet nicht in einer vorgegebenen Zeit.                                                                                               |
|                 | enumeration                                                                                                           | 6<br>Die asynchrone Nachricht kann nicht zwischengespeichert werden.                                                                                                   |
|                 | enumeration                                                                                                           | 7<br>Die Organisations-ID des Senders ist gesperrt oder der Vermittlungsstelle nicht bekannt.                                                                          |
|                 | enumeration                                                                                                           | 255<br>Technisches Problem. Es liegt ein technisches Problem vor. Die Nachricht konnte nicht erfolgreich entgegengenommen werden.                                      |
| Source          | <xs:element name="StatusCode" type="tns:StatusCode"/>                                                                 |                                                                                                                                                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd |                                                                                                                                                                        |

## Element tns:VX\_Message\_Type / StatusText

|                 |                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                          |
| Diagram         |                                    |
| Type            | tns:StatusText                                                                                                        |
| Properties      | content: simple                                                                                                       |
| Facets          | maxLength 255                                                                                                         |
| Source          | <xs:element name="StatusText" type="tns:StatusText"/>                                                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd |

## Element tns:Ort\_ID\_Type / ortTyp

|                |                                                                                                                                                                                                       |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | No namespace                                                                                                                                                                                          |
| Diagram        |                                                                                                                    |
| Type           | tns:OrtsTyp_CODE_Type                                                                                                                                                                                 |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt <ul style="list-style-type: none"> <li>tns:INT1 <ul style="list-style-type: none"> <li>tns:OrtsTyp_CODE_Type</li> </ul> </li> </ul> </li> </ul> |
| Properties     | content: simple                                                                                                                                                                                       |
| Facets         | maxInclusive 255                                                                                                                                                                                      |
|                | minInclusive 0                                                                                                                                                                                        |
| Source         | <xs:element name="ortTyp" type="tns:OrtsTyp_CODE_Type"/>                                                                                                                                              |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------|

## Element tns:Ort\_ID\_Type / ortNummer

|                 |                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                         |
| Diagram         |                                     |
| Type            | tns:ReferenceNumberThree                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:ReferenceNumberThree</li> </ul> |
| Properties      | content: simple                                                                                                      |
| Facets          | maxInclusive 16777215                                                                                                |
|                 | minInclusive 0                                                                                                       |
| Source          | <code>&lt;xs:element name="ortNummer" type="ct:ReferenceNumberThree"/&gt;</code>                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd         |

## Element tns:Ort\_ID\_Type / ortDomaene\_ID

|                 |                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                    |
| Diagram         |                                                                |
| Type            | tns:Organisation_ID                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |
| Properties      | content: simple                                                                                                                                 |
| Facets          | maxInclusive 65535                                                                                                                              |
|                 | minInclusive 0                                                                                                                                  |
| Source          | <code>&lt;xs:element name="ortDomaene_ID" type="ka:Organisation_ID"/&gt;</code>                                                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                    |

## Element tns:Terminal\_ID\_Type / terminalTyp

|                 |                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                          |
| Diagram         |                                    |
| Type            | tns:TerminalTyp_CODE_Type                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:TerminalTyp_CODE_Type</li> </ul> |
| Properties      | content: simple                                                                                                       |
| Facets          | maxInclusive 255                                                                                                      |
|                 | minInclusive 0                                                                                                        |
| Source          | <code>&lt;xs:element name="terminalTyp" type="tns:TerminalTyp_CODE_Type"/&gt;</code>                                  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd          |

## Element tns:Terminal\_ID\_Type / terminalNumber

|                 |                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                       |
| Diagram         |                                   |
| Type            | tns:ReferenceNumberTwo                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> </ul> |
| Properties      | content: simple                                                                                                    |
| Facets          | maxInclusive 65535                                                                                                 |
|                 | minInclusive 0                                                                                                     |
| Source          | <code>&lt;xs:element name="terminalNumber" type="ct:ReferenceNumberTwo"/&gt;</code>                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd       |

## Element tns:Terminal\_ID\_Type / terminalOwner\_ID

|                 |                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                    |
| Diagram         |                                                                |
| Type            | tns:Organisation_ID                                                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |
| Properties      | content: simple                                                                                                                                 |
| Facets          | maxInclusive 65535                                                                                                                              |
|                 | minInclusive 0                                                                                                                                  |
| Source          | <code>&lt;xs:element name="terminalOwner_ID" type="ka:Organisation_ID"/&gt;</code>                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                    |

## Element tns:NmApplikationInstanz\_ID\_Type / NmAppInstanznummer

|                 |                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                        |
| Diagram         |                                  |
| Type            | tns:ReferenceNumberFour                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:ReferenceNumberFour</li> </ul> |
| Properties      | content: simple                                                                                                     |
| Facets          | maxInclusive 4294967295                                                                                             |
|                 | minInclusive 0                                                                                                      |
| Source          | <code>&lt;xs:element name="NmAppInstanznummer" type="ct:ReferenceNumberFour"/&gt;</code>                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd        |

## Element tns:NmApplikationInstanz\_ID\_Type / kvp\_ID

|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|                 |                                                                                                                                                 |              |       |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Diagram         |                                                                |              |       |              |   |
| Type            | tns:Organisation_ID                                                                                                                             |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |              |       |              |   |
| Properties      | content: simple                                                                                                                                 |              |       |              |   |
| Facets          | <table border="1"> <tr> <td>maxInclusive</td> <td>65535</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>                         | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                           |              |       |              |   |
| minInclusive    | 0                                                                                                                                               |              |       |              |   |
| Source          | <code>&lt;xs:element name="kvp_ID" type="ka:Organisation_ID"/&gt;</code>                                                                        |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                    |              |       |              |   |

### Element tns:Berechtigung\_ID\_Type / berechtigungNummer

|                 |                                                                                                                              |              |            |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace       | No namespace                                                                                                                 |              |            |              |   |
| Diagram         |                                             |              |            |              |   |
| Type            | tns:ReferenceNumberFour                                                                                                      |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:ReferenceNumberFour</li> </ul>          |              |            |              |   |
| Properties      | content: simple                                                                                                              |              |            |              |   |
| Facets          | <table border="1"> <tr> <td>maxInclusive</td> <td>4294967295</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table> | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                                   |              |            |              |   |
| minInclusive    | 0                                                                                                                            |              |            |              |   |
| Source          | <code>&lt;xs:element name="berechtigungNummer" type="ct:ReferenceNumberFour"/&gt;</code>                                     |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                 |              |            |              |   |

### Element tns:Berechtigung\_ID\_Type / kvp\_ID

|                 |                                                                                                                                                 |              |       |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | No namespace                                                                                                                                    |              |       |              |   |
| Diagram         |                                                              |              |       |              |   |
| Type            | tns:Organisation_ID                                                                                                                             |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |              |       |              |   |
| Properties      | content: simple                                                                                                                                 |              |       |              |   |
| Facets          | <table border="1"> <tr> <td>maxInclusive</td> <td>65535</td> </tr> <tr> <td>minInclusive</td> <td>0</td> </tr> </table>                         | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                           |              |       |              |   |
| minInclusive    | 0                                                                                                                                               |              |       |              |   |
| Source          | <code>&lt;xs:element name="kvp_ID" type="ka:Organisation_ID"/&gt;</code>                                                                        |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                    |              |       |              |   |

### Element tns:EFMProdukt\_ID\_Type / produktNummer

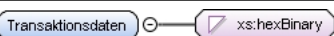
|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|                 |                                                                                                                                          |              |        |              |   |            |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|------------|---|
| Diagram         |                                                         |              |        |              |   |            |   |
| Type            | tns:ReferenceNumberTwo                                                                                                                   |              |        |              |   |            |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> </ul>                       |              |        |              |   |            |   |
| Properties      | <table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table> | content:     | simple | minOccurs:   | 0 | maxOccurs: | 1 |
| content:        | simple                                                                                                                                   |              |        |              |   |            |   |
| minOccurs:      | 0                                                                                                                                        |              |        |              |   |            |   |
| maxOccurs:      | 1                                                                                                                                        |              |        |              |   |            |   |
| Facets          | <table> <tr><td>maxInclusive</td><td>65535</td></tr> <tr><td>minInclusive</td><td>0</td></tr> </table>                                   | maxInclusive | 65535  | minInclusive | 0 |            |   |
| maxInclusive    | 65535                                                                                                                                    |              |        |              |   |            |   |
| minInclusive    | 0                                                                                                                                        |              |        |              |   |            |   |
| Source          | <code>&lt;xs:element name="produktNummer" type="ct:ReferenceNumberTwo" minOccurs="0" maxOccurs="1"/&gt;</code>                           |              |        |              |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                             |              |        |              |   |            |   |

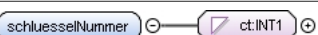
### Element tns:EFMProdukt\_ID\_Type / organisationID

|                 |                                                                                                                                                 |              |        |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|
| Namespace       | No namespace                                                                                                                                    |              |        |              |   |
| Diagram         |                                                                |              |        |              |   |
| Type            | tns:Organisation_ID                                                                                                                             |              |        |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |              |        |              |   |
| Properties      | <table> <tr><td>content:</td><td>simple</td></tr> </table>                                                                                      | content:     | simple |              |   |
| content:        | simple                                                                                                                                          |              |        |              |   |
| Facets          | <table> <tr><td>maxInclusive</td><td>65535</td></tr> <tr><td>minInclusive</td><td>0</td></tr> </table>                                          | maxInclusive | 65535  | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                           |              |        |              |   |
| minInclusive    | 0                                                                                                                                               |              |        |              |   |
| Source          | <code>&lt;xs:element name="organisationID" type="ka:Organisation_ID"/&gt;</code>                                                                |              |        |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                    |              |        |              |   |

### Element tns:Transaktionsdatensatz\_Type / Transaktionsdaten

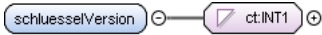
|                 |                                                                                                              |          |        |
|-----------------|--------------------------------------------------------------------------------------------------------------|----------|--------|
| Namespace       | No namespace                                                                                                 |          |        |
| Diagram         |                           |          |        |
| Type            | xs:hexBinary                                                                                                 |          |        |
| Properties      | <table> <tr><td>content:</td><td>simple</td></tr> </table>                                                   | content: | simple |
| content:        | simple                                                                                                       |          |        |
| Source          | <code>&lt;xs:element name="Transaktionsdaten" type="xs:hexBinary"/&gt;</code>                                |          |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |          |        |

### Element tns:SymSchluessel\_ID\_Type / schluesselNummer

|              |                                                                                     |              |        |
|--------------|-------------------------------------------------------------------------------------|--------------|--------|
| Namespace    | No namespace                                                                        |              |        |
| Diagram      |  |              |        |
| Type         | tns:INT1                                                                            |              |        |
| Properties   | <table> <tr><td>content:</td><td>simple</td></tr> </table>                          | content:     | simple |
| content:     | simple                                                                              |              |        |
| Facets       | <table> <tr><td>maxInclusive</td><td>255</td></tr> </table>                         | maxInclusive | 255    |
| maxInclusive | 255                                                                                 |              |        |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
|                 | minInclusive 0                                                                                               |
| Source          | <code>&lt;xs:element name="schluesselNummer" type="ct:INT1"/&gt;</code>                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

### Element tns:SymSchluessel\_ID\_Type / schluesselVersion

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:INT1                                                                                                     |
| Properties      | content: simple                                                                                              |
| Facets          | maxInclusive 255<br>minInclusive 0                                                                           |
| Source          | <code>&lt;xs:element name="schluesselVersion" type="ct:INT1"/&gt;</code>                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

### Element tns:SymSchluessel\_ID\_Type / schluesselInhaber\_ID

|                 |                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                       |
| Diagram         |                                   |
| Type            | tns:ReferenceNumberTwo                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> </ul> |
| Properties      | content: simple                                                                                                    |
| Facets          | maxInclusive 65535<br>minInclusive 0                                                                               |
| Source          | <code>&lt;xs:element name="schluesselInhaber_ID" type="ct:ReferenceNumberTwo"/&gt;</code>                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd       |

### Element tns:ASymSchluessel\_ID\_Type / signaturSchluessel

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                           |
| Type            | tns:OctetString12                                                                                            |
| Properties      | content: simple                                                                                              |
| Facets          | length 12                                                                                                    |
| Source          | <code>&lt;xs:element name="signaturSchluessel" type="ct:OctetString12"/&gt;</code>                           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

### Element tns:appNmTransaktionMAC\_Type / appMAC\_AH

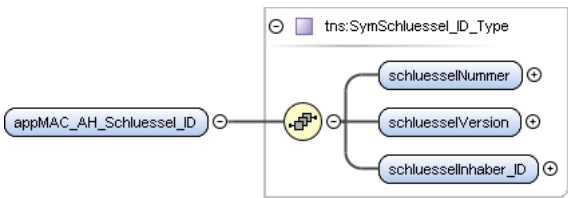
|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                        |
| Diagram    |  |
| Type       | tns:OctetString8                                                                    |
| Properties | content: simple                                                                     |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Facets          | length 8                                                                                                     |
| Source          | <code>&lt;xs:element name="appMAC_AH" type="ct:OctetString8"/&gt;</code>                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

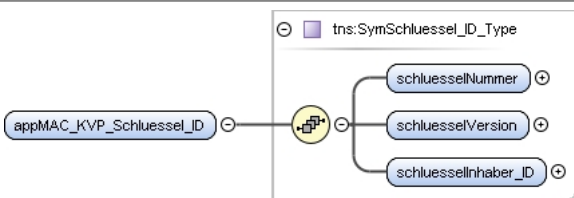
### Element tns:appNmTransaktionMAC\_Type / appMAC\_KVP

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:OctetString8                                                                                             |
| Properties      | content: simple                                                                                              |
| Facets          | length 8                                                                                                     |
| Source          | <code>&lt;xs:element name="appMAC_KVP" type="ct:OctetString8"/&gt;</code>                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

### Element tns:appNmTransaktionMAC\_Type / appMAC\_AH\_Schluesssel\_ID

|                 |                                                                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                        |
| Type            | tns:SymSchluesssel_ID_Type                                                                                                                                                                                                                                               |
| Properties      | content: complex                                                                                                                                                                                                                                                         |
| Model           | schluessselNummer , schluessselVersion , schluessselInhaber_ID                                                                                                                                                                                                           |
| Children        | schluessselInhaber_ID, schluessselNummer, schluessselVersion                                                                                                                                                                                                             |
| Instance        | <pre>&lt;appMAC_AH_Schluesssel_ID&gt;   &lt;schluessselNummer&gt;{1,1}&lt;/schluessselNummer&gt;   &lt;schluessselVersion&gt;{1,1}&lt;/schluessselVersion&gt;   &lt;schluessselInhaber_ID&gt;{1,1}&lt;/schluessselInhaber_ID&gt; &lt;/appMAC_AH_Schluesssel_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="appMAC_AH_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type"/&gt;</code>                                                                                                                                                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                             |

### Element tns:appNmTransaktionMAC\_Type / appMAC\_KVP\_Schluesssel\_ID

|            |                                                                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                                                                                                         |
| Diagram    |                                                                                   |
| Type       | tns:SymSchluesssel_ID_Type                                                                                                                                           |
| Properties | content: complex                                                                                                                                                     |
| Model      | schluessselNummer , schluessselVersion , schluessselInhaber_ID                                                                                                       |
| Children   | schluessselInhaber_ID, schluessselNummer, schluessselVersion                                                                                                         |
| Instance   | <pre>&lt;appMAC_KVP_Schluesssel_ID&gt;   &lt;schluessselNummer&gt;{1,1}&lt;/schluessselNummer&gt;   &lt;schluessselVersion&gt;{1,1}&lt;/schluessselVersion&gt;</pre> |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
|                 | <pre>&lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/appMAC_KVP_Schluessel_ID&gt;</pre>  |
| Source          | <pre>&lt;xs:element name="appMAC_KVP_Schluessel_ID" type="tns:SymSchluessel_ID_Type"/&gt;</pre>              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

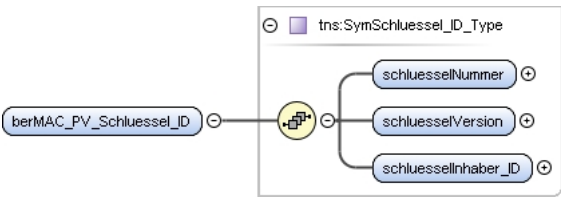
## Element tns:berNmTransaktionMAC\_Type / berMAC\_PV

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:OctetString8                                                                                             |
| Properties      | content: simple                                                                                              |
| Facets          | length 8                                                                                                     |
| Source          | <pre>&lt;xs:element name="berMAC_PV" type="ct:OctetString8"/&gt;</pre>                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

## Element tns:berNmTransaktionMAC\_Type / berMAC\_KVP

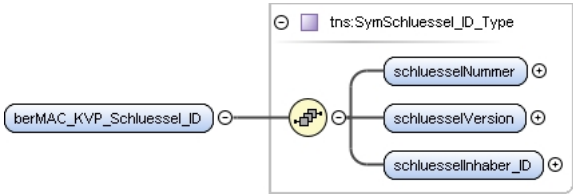
|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:OctetString8                                                                                             |
| Properties      | content: simple                                                                                              |
| Facets          | length 8                                                                                                     |
| Source          | <pre>&lt;xs:element name="berMAC_KVP" type="ct:OctetString8"/&gt;</pre>                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

## Element tns:berNmTransaktionMAC\_Type / berMAC\_PV\_Schluessel\_ID

|                 |                                                                                                                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                     |
| Diagram         |                                                                                                                                                                               |
| Type            | tns:SymSchluessel_ID_Type                                                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                 |
| Model           | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                                      |
| Children        | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                        |
| Instance        | <pre>&lt;berMAC_PV_Schluessel_ID&gt;   &lt;schluesselNummer&gt;{1,1}&lt;/schluesselNummer&gt;   &lt;schluesselVersion&gt;{1,1}&lt;/schluesselVersion&gt;   &lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/berMAC_PV_Schluessel_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="berMAC_PV_Schluessel_ID" type="tns:SymSchluessel_ID_Type"/&gt;</pre>                                                                                                                                                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                     |

## Element tns:berNmTransaktionMAC\_Type / berMAC\_KVP\_Schluessel\_ID

|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|                 |                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                     |
| Type            | tns:SymSchluessel_ID_Type                                                                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                                     |
| Model           | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                                          |
| Children        | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                            |
| Instance        | <pre> &lt;berMAC_KVP_Schluessel_ID&gt;   &lt;schluesselNummer&gt;{1,1}&lt;/schluesselNummer&gt;   &lt;schluesselVersion&gt;{1,1}&lt;/schluesselVersion&gt;   &lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/berMAC_KVP_Schluessel_ID&gt; </pre> |
| Source          | <code>&lt;xs:element name="berMAC_KVP_Schluessel_ID" type="tns:SymSchluessel_ID_Type"/&gt;</code>                                                                                                                                                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                         |

### Element tns:IONTransaktion\_ID\_Type / transSequenznummer

|                 |                                                                                                                    |              |            |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace       | No namespace                                                                                                       |              |            |              |   |
| Diagram         |                                   |              |            |              |   |
| Type            | tns:SequenceNumberFour                                                                                             |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:SequenceNumberFour</li> </ul> |              |            |              |   |
| Properties      | content: simple                                                                                                    |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>      | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                         |              |            |              |   |
| minInclusive    | 0                                                                                                                  |              |            |              |   |
| Source          | <code>&lt;xs:element name="transSequenznummer" type="ct:SequenceNumberFour"/&gt;</code>                            |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd       |              |            |              |   |

### Element tns:IONTransaktion\_ID\_Type / transSenderRolle

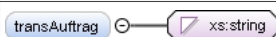
|                |                                                                                                                                                                                                     |        |           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|
| Namespace      | No namespace                                                                                                                                                                                        |        |           |
| Diagram        |                                                                                                                  |        |           |
| Type           | tns:KommunikationsParterRolle                                                                                                                                                                       |        |           |
| Type hierarchy | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:KommunikationsParterRolle</li></ul></li></ul></li></ul> |        |           |
| Properties     | content:                                                                                                                                                                                            | simple |           |
| Facets         | maxInclusive                                                                                                                                                                                        | 255    |           |
|                | minInclusive                                                                                                                                                                                        | 0      |           |
|                | enumeration                                                                                                                                                                                         | 0      | Unbekannt |
|                | enumeration                                                                                                                                                                                         | 1      | KVP       |
|                | enumeration                                                                                                                                                                                         | 2      | DL        |
|                | enumeration                                                                                                                                                                                         | 3      | PV        |
|                | enumeration                                                                                                                                                                                         | 4      | AH        |
|                | enumeration                                                                                                                                                                                         | 5      | K0SES     |

|                 |                                                                                                              |     |     |
|-----------------|--------------------------------------------------------------------------------------------------------------|-----|-----|
|                 | enumeration                                                                                                  | 254 | ZVM |
| Source          | <xs:element name="transSenderRolle" type="ka:KommunikationsParterRolle"/>                                    |     |     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |     |     |

### Element tns:IONTransaktion\_ID\_Type / transSender\_ID

|                 |                                                                                                                                                                                                                                                                         |        |  |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace       | No namespace                                                                                                                                                                                                                                                            |        |  |
| Diagram         |                                                                                                                                                                                        |        |  |
| Type            | tns:Organisation_ID                                                                                                                                                                                                                                                     |        |  |
| Type hierarchy  | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT2<ul style="list-style-type: none"><li>• tns:ReferenceNumberTwo<ul style="list-style-type: none"><li>• tns:Organisation_ID</li></ul></li></ul></li></ul></li></ul> |        |  |
| Properties      | content:                                                                                                                                                                                                                                                                | simple |  |
| Facets          | maxInclusive                                                                                                                                                                                                                                                            | 65535  |  |
|                 | minInclusive                                                                                                                                                                                                                                                            | 0      |  |
| Source          | <xs:element name="transSender_ID" type="ka:Organisation_ID"/>                                                                                                                                                                                                           |        |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                            |        |  |

### Element tns:ION\_TX\_HEADER\_Type / transAuftrag

|                 |                                                                                                              |        |  |
|-----------------|--------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace       | No namespace                                                                                                 |        |  |
| Diagram         |                           |        |  |
| Type            | xs:string                                                                                                    |        |  |
| Properties      | content:                                                                                                     | simple |  |
|                 | minOccurs:                                                                                                   | 0      |  |
|                 | maxOccurs:                                                                                                   | 1      |  |
| Source          | <xs:element name="transAuftrag" type="xs:string" minOccurs="0" maxOccurs="1"/>                               |        |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |        |  |

### Element tns:ION\_TX\_HEADER\_Type / transEmpfaenger\_ID

|                |                                                                                                                                                                                                                                                                         |        |  |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace      | No namespace                                                                                                                                                                                                                                                            |        |  |
| Annotations    | Eindeutige OrganisationsId des Nachrichtenempfaengers                                                                                                                                                                                                                   |        |  |
| Diagram        |                                                                                                                                                                                      |        |  |
| Type           | tns:Organisation_ID                                                                                                                                                                                                                                                     |        |  |
| Type hierarchy | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT2<ul style="list-style-type: none"><li>• tns:ReferenceNumberTwo<ul style="list-style-type: none"><li>• tns:Organisation_ID</li></ul></li></ul></li></ul></li></ul> |        |  |
| Properties     | content:                                                                                                                                                                                                                                                                | simple |  |
| Facets         | maxInclusive                                                                                                                                                                                                                                                            | 65535  |  |
|                | minInclusive                                                                                                                                                                                                                                                            | 0      |  |
| Source         | <pre>&lt;xs:element name="transEmpfaenger_ID" type="ka:Organisation_ID"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Eindeutige OrganisationsId des Nachrichtenempfaengers&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>       |        |  |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------|

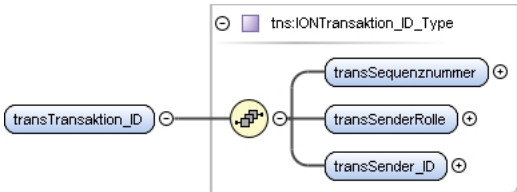
## Element tns:ION\_TX\_HEADER\_Type / transEmpfaengerRolle

|                 |                                                                                                                                                                                                                                                         |        |           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|
| Namespace       | No namespace                                                                                                                                                                                                                                            |        |           |
| Annotations     | Rolle des Nachrichtenempfängers                                                                                                                                                                                                                         |        |           |
| Diagram         |                                                                                                                                                                        |        |           |
| Type            | tns:KommunikationsParterRolle                                                                                                                                                                                                                           |        |           |
| Type hierarchy  | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:KommunikationsParterRolle</li></ul></li></ul></li></ul>                                                     |        |           |
| Properties      | content:                                                                                                                                                                                                                                                | simple |           |
| Facets          | maxInclusive                                                                                                                                                                                                                                            | 255    |           |
|                 | minInclusive                                                                                                                                                                                                                                            | 0      |           |
|                 | enumeration                                                                                                                                                                                                                                             | 0      | Unbekannt |
|                 | enumeration                                                                                                                                                                                                                                             | 1      | KVP       |
|                 | enumeration                                                                                                                                                                                                                                             | 2      | DL        |
|                 | enumeration                                                                                                                                                                                                                                             | 3      | PV        |
|                 | enumeration                                                                                                                                                                                                                                             | 4      | AH        |
|                 | enumeration                                                                                                                                                                                                                                             | 5      | K0SES     |
|                 | enumeration                                                                                                                                                                                                                                             | 254    | ZVM       |
| Source          | <pre>&lt;xs:element name="transEmpfaengerRolle" type="ka:KommunikationsParterRolle"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Rolle des Nachrichtenempfängers&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |        |           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                            |        |           |

## Element tns:ION\_TX\_HEADER\_Type / transStatus

|                 |                                                                                                                                             |              |        |              |   |            |   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|------------|---|
| Namespace       | No namespace                                                                                                                                |              |        |              |   |            |   |
| Diagram         |                                                          |              |        |              |   |            |   |
| Type            | tns:INT1                                                                                                                                    |              |        |              |   |            |   |
| Properties      | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table> | content:     | simple | minOccurs:   | 0 | maxOccurs: | 1 |
| content:        | simple                                                                                                                                      |              |        |              |   |            |   |
| minOccurs:      | 0                                                                                                                                           |              |        |              |   |            |   |
| maxOccurs:      | 1                                                                                                                                           |              |        |              |   |            |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                      | maxInclusive | 255    | minInclusive | 0 |            |   |
| maxInclusive    | 255                                                                                                                                         |              |        |              |   |            |   |
| minInclusive    | 0                                                                                                                                           |              |        |              |   |            |   |
| Source          | <pre>&lt;xs:element name="transStatus" type="ct:INT1" minOccurs="0" maxOccurs="1"/&gt;</pre>                                                |              |        |              |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                |              |        |              |   |            |   |

## Element tns:ION\_TX\_HEADER\_Type / transTransaktion\_ID

|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Namespace | No namespace                                                                        |
| Diagram   |  |

|                 |                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:IONTransaktion_ID_Type                                                                                                                                                                                                                     |
| Properties      | content: complex                                                                                                                                                                                                                               |
| Model           | transSequenznummer , transSenderRolle , transSender_ID                                                                                                                                                                                         |
| Children        | transSenderRolle, transSender_ID, transSequenznummer                                                                                                                                                                                           |
| Instance        | <pre>&lt;transTransaktion_ID&gt;   &lt;transSequenznummer&gt;{1,1}&lt;/transSequenznummer&gt;   &lt;transSenderRolle&gt;{1,1}&lt;/transSenderRolle&gt;   &lt;transSender_ID&gt;{1,1}&lt;/transSender_ID&gt; &lt;/transTransaktion_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="transTransaktion_ID" type="tns:IONTransaktion_ID_Type"/&gt;</code>                                                                                                                                                  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                   |

## Element tns:ION\_TX\_HEADER\_Type / transTransaktionsTyp

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:INT1                                                                                                     |
| Properties      | content: simple<br>minOccurs: 0<br>maxOccurs: 1                                                              |
| Facets          | maxInclusive 255<br>minInclusive 0                                                                           |
| Source          | <code>&lt;xs:element name="transTransaktionsTyp" type="ct:INT1" minOccurs="0" maxOccurs="1"/&gt;</code>      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

## Element tns:ION\_TX\_HEADER\_Type / transTransaktionsZeitpunkt

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Annotations     | Zeitpunkt der Dienstanfrage gemaess den Angaben der Dienstaufrufers. Achtung: Aufgrund von potentiell unsynchronisierten, lokalen Uhren der Kommunikationspartnern ist moeglicherweise die Aussagekraft dieses Feldes sehr gering.                                                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                      |
| Type            | tns:DateTime                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Properties      | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:element name="transTransaktionsZeitpunkt" type="ct:DateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Zeitpunkt der Dienstanfrage gemaess den Angaben der Dienstaufrufers.     Achtung: Aufgrund von potentiell unsynchronisierten, lokalen Uhren der Kommunikationspartnern ist     moeglicherweise die Aussagekraft dieses Feldes sehr gering.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                            |

## Element tns:ION\_TX\_HEADER\_Type / transVersion

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                        |
| Diagram    |  |
| Type       | tns:BitString16                                                                     |
| Properties | content: simple<br>minOccurs: 0<br>maxOccurs: 1                                     |

|                 |                                                                                                              |                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Facets          | length                                                                                                       | 16                                                                                           |
|                 | pattern                                                                                                      | [0-1][0-1][0-1][0-1][0-1]<br>[0-1][0-1][0-1][0-1][0-1]<br>[0-1][0-1][0-1][0-1][0-1]<br>[0-1] |
| Source          | <xs:element name="transVersion" type="ct:BitString16" minOccurs="0" maxOccurs="1"/>                          |                                                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |                                                                                              |

### Element tns:ION\_TX\_HEADER\_Type / transWiederholungsZaehler

|                 |                                                                                                              |        |
|-----------------|--------------------------------------------------------------------------------------------------------------|--------|
| Namespace       | No namespace                                                                                                 |        |
| Diagram         |                                                                                                              |        |
| Type            | tns:INT1                                                                                                     |        |
| Properties      | content:                                                                                                     | simple |
|                 | minOccurs:                                                                                                   | 0      |
|                 | maxOccurs:                                                                                                   | 1      |
| Facets          | maxInclusive                                                                                                 | 255    |
|                 | minInclusive                                                                                                 | 0      |
| Source          | <xs:element name="transWiederholungsZaehler" type="ct:INT1" minOccurs="0" maxOccurs="1"/>                    |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |        |

### Element tns:ION\_TX\_HEADER\_Type / transSignaturTyp

|                 |                                                                                                              |        |
|-----------------|--------------------------------------------------------------------------------------------------------------|--------|
| Namespace       | No namespace                                                                                                 |        |
| Diagram         |                                                                                                              |        |
| Type            | tns:INT1                                                                                                     |        |
| Properties      | content:                                                                                                     | simple |
|                 | minOccurs:                                                                                                   | 0      |
|                 | maxOccurs:                                                                                                   | 1      |
| Facets          | maxInclusive                                                                                                 | 255    |
|                 | minInclusive                                                                                                 | 0      |
| Source          | <xs:element name="transSignaturTyp" type="ct:INT1" minOccurs="0" maxOccurs="1"/>                             |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |        |

### Element tns:ION\_TX\_HEADER\_Type / transSignaturZertifikat

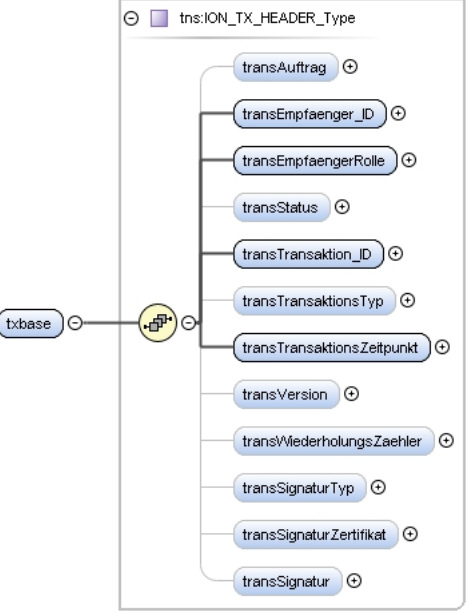
|            |                                                                                                                                                                                                                                                                                            |        |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace  | No namespace                                                                                                                                                                                                                                                                               |        |
| Diagram    |                                                                                                                                                                                                                                                                                            |        |
| Type       | restriction of xs:hexBinary                                                                                                                                                                                                                                                                |        |
| Properties | content:                                                                                                                                                                                                                                                                                   | simple |
|            | minOccurs:                                                                                                                                                                                                                                                                                 | 0      |
|            | maxOccurs:                                                                                                                                                                                                                                                                                 | 1      |
| Facets     | length                                                                                                                                                                                                                                                                                     | 378    |
| Source     | <pre>&lt;xs:element name="transSignaturZertifikat" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:hexBinary"&gt;       &lt;xs:length value="378" fixed="true"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |        |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;/xs:element&gt;</code>                                                                             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

## Element tns:ION\_TX\_HEADER\_Type / transSignatur

|                 |                                                                                                                                             |          |        |            |   |            |   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|---|------------|---|
| Namespace       | No namespace                                                                                                                                |          |        |            |   |            |   |
| Diagram         |                                                            |          |        |            |   |            |   |
| Type            | tns:TransSignatur_Type                                                                                                                      |          |        |            |   |            |   |
| Properties      | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table> | content: | simple | minOccurs: | 0 | maxOccurs: | 1 |
| content:        | simple                                                                                                                                      |          |        |            |   |            |   |
| minOccurs:      | 0                                                                                                                                           |          |        |            |   |            |   |
| maxOccurs:      | 1                                                                                                                                           |          |        |            |   |            |   |
| Facets          | <table> <tr> <td>length</td><td>128</td></tr> </table>                                                                                      | length   | 128    |            |   |            |   |
| length          | 128                                                                                                                                         |          |        |            |   |            |   |
| Source          | <code>&lt;xs:element name="transSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/&gt;</code>                             |          |        |            |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                |          |        |            |   |            |   |

## Element tns:TX\_BASE\_Type / txbase

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Annotations | Fachliche Daten ueber die in der Transaktion involvierten Systeme                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Type        | tns:ION_TX_HEADER_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Properties  | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Model       | transAuftrag{0,1} , transEmpfaenger_ID , transEmpfaengerRolle , transStatus{0,1} , transTransaktion_ID , transTransaktionsTyp{0,1} , transTransaktionsZeitpunkt , transVersion{0,1} , transWiederholungsZaeher{0,1} , transSignaturTyp{0,1} , transSignaturZertifikat{0,1} , transSignatur{0,1}                                                                                                                                                                                                                         |
| Children    | transAuftrag, transEmpfaengerRolle, transEmpfaenger_ID, transSignatur, transSignaturTyp, transSignaturZertifikat, transStatus, transTransaktion_ID, transTransaktionsTyp, transTransaktionsZeitpunkt, transVersion, transWiederholungsZaeher                                                                                                                                                                                                                                                                            |
| Instance    | <pre> &lt;txbase&gt;   &lt;transAuftrag&gt;{0,1}&lt;/transAuftrag&gt;   &lt;transEmpfaenger_ID&gt;{1,1}&lt;/transEmpfaenger_ID&gt;   &lt;transEmpfaengerRolle&gt;{1,1}&lt;/transEmpfaengerRolle&gt;   &lt;transStatus&gt;{0,1}&lt;/transStatus&gt;   &lt;transTransaktion_ID&gt;{1,1}&lt;/transTransaktion_ID&gt;   &lt;transTransaktionsTyp&gt;{0,1}&lt;/transTransaktionsTyp&gt;   &lt;transTransaktionsZeitpunkt&gt;{1,1}&lt;/transTransaktionsZeitpunkt&gt;   &lt;transVersion&gt;{0,1}&lt;/transVersion&gt; </pre> |

|                 |                                                                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;transWiederholungsZaehler&gt;{0,1}&lt;/transWiederholungsZaehler&gt; &lt;transSignaturTyp&gt;{0,1}&lt;/transSignaturTyp&gt; &lt;transSignaturZertifikat&gt;{0,1}&lt;/transSignaturZertifikat&gt; &lt;transSignatur&gt;{0,1}&lt;/transSignatur&gt; &lt;/txbase&gt; </pre> |
| Source          | <pre> &lt;xs:element name="txbase" type="tns:ION_TX_HEADER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Fachliche Daten ueber die in der Transaktion involvierten Systeme&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                       |

## Element tns:TX\_RET\_Type / transOrigID

|                 |                                                                                                                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                     |
| Diagram         |                                                                                                                                                                                                                                  |
| Type            | tns:IONTransaktion_ID_Type                                                                                                                                                                                                       |
| Properties      | content: complex                                                                                                                                                                                                                 |
| Model           | transSequenznummer , transSenderRolle , transSender_ID                                                                                                                                                                           |
| Children        | transSenderRolle, transSender_ID, transSequenznummer                                                                                                                                                                             |
| Instance        | <pre> &lt;transOrigID&gt;   &lt;transSequenznummer&gt;{1,1}&lt;/transSequenznummer&gt;   &lt;transSenderRolle&gt;{1,1}&lt;/transSenderRolle&gt;   &lt;transSender_ID&gt;{1,1}&lt;/transSender_ID&gt; &lt;/transOrigID&gt; </pre> |
| Source          | <pre> &lt;xs:element name="transOrigID" type="tns:IONTransaktion_ID_Type"/&gt; </pre>                                                                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                     |

## Element tns:TX\_RET\_Type / transOrigSignatur

|                 |                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                        |
| Diagram         |                                                                                                                     |
| Type            | tns:TransSignatur_Type                                                                                              |
| Properties      | content: simple<br>minOccurs: 0<br>maxOccurs: 1                                                                     |
| Facets          | length 128                                                                                                          |
| Source          | <pre> &lt;xs:element name="transOrigSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd        |

## Element tns:TX\_RET\_Type / transOriginalZeit

|            |                                                                              |
|------------|------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                 |
| Diagram    |                                                                              |
| Type       | xs:dateTime                                                                  |
| Properties | content: simple                                                              |
| Source     | <pre> &lt;xs:element name="transOriginalZeit" type="xs:dateTime"/&gt; </pre> |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------|

## Element tns:TX\_SMIT\_Type / sperrAnforderungBezug

|                 |                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                       |
| Diagram         |                                                                                                                                                                                                                                                    |
| Type            | tns:IONTransaktion_ID_Type                                                                                                                                                                                                                         |
| Properties      | content: complex                                                                                                                                                                                                                                   |
| Model           | transSequenznummer , transSenderRolle , transSender_ID                                                                                                                                                                                             |
| Children        | transSenderRolle, transSender_ID, transSequenznummer                                                                                                                                                                                               |
| Instance        | <pre>&lt;sperrAnforderungBezug&gt;   &lt;transSequenznummer&gt;{1,1}&lt;/transSequenznummer&gt;   &lt;transSenderRolle&gt;{1,1}&lt;/transSenderRolle&gt;   &lt;transSender_ID&gt;{1,1}&lt;/transSender_ID&gt; &lt;/sperrAnforderungBezug&gt;</pre> |
| Source          | <code>&lt;xs:element name="sperrAnforderungBezug" type="tns:IONTransaktion_ID_Type"/&gt;</code>                                                                                                                                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                       |

## Element tns:TX\_SMIT\_Type / sperrEntscheidung

|                 |                                                                                                                                                                                  |             |   |             |   |             |   |             |   |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---|-------------|---|-------------|---|-------------|---|
| Namespace       | No namespace                                                                                                                                                                     |             |   |             |   |             |   |             |   |
| Diagram         |                                                                                                                                                                                  |             |   |             |   |             |   |             |   |
| Type            | tns:Mitteilung_CODE_Type                                                                                                                                                         |             |   |             |   |             |   |             |   |
| Properties      | content: simple                                                                                                                                                                  |             |   |             |   |             |   |             |   |
| Facets          | <table> <tr><td>enumeration</td><td>1</td></tr> <tr><td>enumeration</td><td>2</td></tr> <tr><td>enumeration</td><td>3</td></tr> <tr><td>enumeration</td><td>4</td></tr> </table> | enumeration | 1 | enumeration | 2 | enumeration | 3 | enumeration | 4 |
| enumeration     | 1                                                                                                                                                                                |             |   |             |   |             |   |             |   |
| enumeration     | 2                                                                                                                                                                                |             |   |             |   |             |   |             |   |
| enumeration     | 3                                                                                                                                                                                |             |   |             |   |             |   |             |   |
| enumeration     | 4                                                                                                                                                                                |             |   |             |   |             |   |             |   |
| Source          | <code>&lt;xs:element name="sperrEntscheidung" type="tns:Mitteilung_CODE_Type"/&gt;</code>                                                                                        |             |   |             |   |             |   |             |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                     |             |   |             |   |             |   |             |   |

## Element tns:TX\_SANF\_Type / sperrSperrgrund

|                 |                                                                                                              |              |     |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace       | No namespace                                                                                                 |              |     |              |   |
| Diagram         |                                                                                                              |              |     |              |   |
| Type            | tns:INT1                                                                                                     |              |     |              |   |
| Properties      | content: simple                                                                                              |              |     |              |   |
| Facets          | <table> <tr><td>maxInclusive</td><td>255</td></tr> <tr><td>minInclusive</td><td>0</td></tr> </table>         | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                          |              |     |              |   |
| minInclusive    | 0                                                                                                            |              |     |              |   |
| Source          | <code>&lt;xs:element name="sperrSperrgrund" type="ct:INT1"/&gt;</code>                                       |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |              |     |              |   |

## Element tns:TX\_BER\_Type / berGueltingkeitsbeginn

|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|                 |                                                                                                                                          |              |                     |              |                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|--------------|---------------------|
| Diagram         |                                                         |              |                     |              |                     |
| Type            | tns:DateTimeCompact                                                                                                                      |              |                     |              |                     |
| Properties      | content: simple                                                                                                                          |              |                     |              |                     |
| Facets          | <table> <tr> <td>maxInclusive</td><td>2117-12-31T23:59:58</td></tr> <tr> <td>minInclusive</td><td>1990-01-01T00:00:00</td></tr> </table> | maxInclusive | 2117-12-31T23:59:58 | minInclusive | 1990-01-01T00:00:00 |
| maxInclusive    | 2117-12-31T23:59:58                                                                                                                      |              |                     |              |                     |
| minInclusive    | 1990-01-01T00:00:00                                                                                                                      |              |                     |              |                     |
| Source          | <code>&lt;xs:element name="berGueltigkeitsbeginn" type="ct:DateTimeCompact"/&gt;</code>                                                  |              |                     |              |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                             |              |                     |              |                     |

### Element tns:TX\_BER\_Type / berGueltigkeitsende

|                 |                                                                                                                                          |              |                     |              |                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|--------------|---------------------|
| Namespace       | No namespace                                                                                                                             |              |                     |              |                     |
| Diagram         |                                                         |              |                     |              |                     |
| Type            | tns:DateTimeCompact                                                                                                                      |              |                     |              |                     |
| Properties      | content: simple                                                                                                                          |              |                     |              |                     |
| Facets          | <table> <tr> <td>maxInclusive</td><td>2117-12-31T23:59:58</td></tr> <tr> <td>minInclusive</td><td>1990-01-01T00:00:00</td></tr> </table> | maxInclusive | 2117-12-31T23:59:58 | minInclusive | 1990-01-01T00:00:00 |
| maxInclusive    | 2117-12-31T23:59:58                                                                                                                      |              |                     |              |                     |
| minInclusive    | 1990-01-01T00:00:00                                                                                                                      |              |                     |              |                     |
| Source          | <code>&lt;xs:element name="berGueltigkeitsende" type="ct:DateTimeCompact"/&gt;</code>                                                    |              |                     |              |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                             |              |                     |              |                     |

### Element tns:TX\_BER\_Type / prodAbrechnungsverfahren

|                 |                                                                                                                                                                                                                |        |              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|
| Namespace       | No namespace                                                                                                                                                                                                   |        |              |
| Diagram         |                                                                                                                             |        |              |
| Type            | tns:Abrechnungsverfahren_CODE_Type                                                                                                                                                                             |        |              |
| Type hierarchy  | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT1<ul style="list-style-type: none"><li>• tns:Abrechnungsverfahren_CODE_Type</li></ul></li></ul></li></ul> |        |              |
| Properties      | content:                                                                                                                                                                                                       | simple |              |
| Facets          | maxInclusive                                                                                                                                                                                                   | 255    |              |
|                 | minInclusive                                                                                                                                                                                                   | 0      |              |
|                 | enumeration                                                                                                                                                                                                    | 0      | Keine Angabe |
|                 | enumeration                                                                                                                                                                                                    | 1      | Pre-Paid     |
|                 | enumeration                                                                                                                                                                                                    | 2      | Post-Paid    |
|                 | enumeration                                                                                                                                                                                                    | 3      | Trip-Paid    |
| Source          | <a href="#">&lt;xs:element name="prodAbrechnungsverfahren" type="tns:Abrechnungsverfahren_CODE_Type"/&gt;</a>                                                                                                  |        |              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                   |        |              |

### Element tns:TX\_BER\_Type / berBezahlArt

|                |                                                                                                                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | No namespace                                                                                                                                                                                            |
| Diagram        |                                                                                                                      |
| Type           | tns:Bezahlart_CODE_Type                                                                                                                                                                                 |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt <ul style="list-style-type: none"> <li>tns:INT1 <ul style="list-style-type: none"> <li>tns:Bezahlart_CODE_Type</li> </ul> </li> </ul> </li> </ul> |

|                 |                                                                                                              |        |
|-----------------|--------------------------------------------------------------------------------------------------------------|--------|
| Properties      | content:                                                                                                     | simple |
| Facets          | maxInclusive                                                                                                 | 255    |
|                 | minInclusive                                                                                                 | 0      |
| Source          | <xs:element name="berBezahlArt" type="tns:Bezahlart_CODE_Type"/>                                             |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |        |

## Element tns:TXA\_Type / berBezahlMittel

|                 |                                                                                                              |        |
|-----------------|--------------------------------------------------------------------------------------------------------------|--------|
| Namespace       | No namespace                                                                                                 |        |
| Diagram         |                             |        |
| Type            | tns:OctetString10                                                                                            |        |
| Properties      | content:                                                                                                     | simple |
| Facets          | length                                                                                                       | 10     |
| Source          | <xs:element name="berBezahlMittel" type="ct:OctetString10"/>                                                 |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |        |

## Element tns:TXA\_Type / transAblehnungGrund

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace   | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |
| Annotations | <p>WICHTIG: Aus Historischen Gruenden ist TXA_Type ein allgemeiner Typ, der von allen teilnehmenden Systemen genutzt wird. Das fuehrt dazu, dass sich alle Systeme dieselben 'transAblehnungGrund' Fehlercodes teilen. Dies ist suboptimal, da, wann immer sich einer der 'transAblehnungGrund' Fehlercodes veraendert, alle teilnehmenden Systeme angepasst, getestet und in einer neuen Version zur Verfuegung gestellt werden muessten. Um TXA wie bisher weiterverwenden zu koennen, und um das beschriebene Abhaengigkeitsproblem zu vermeiden, wurde dieses Feld nicht mit expliziter Aufzaehlung der moeglichen Fehlercodes, sondern mit einem simplen numerischen Typen versehen. Die genauen Fehlercodes sind der Schnittstelle des jeweiligen konkreten teilnehmenden Systems zu entnehmen. Die Codes 0 bis 9 (einschliesslich) sind fuer allgemeine Fehler reserviert und duerfen von den teilnehmenden Systemen nur fuer die vorgesehene Semantik verwendet werden (siehe Typ 'CommonServiceResultCode'). Es wird empfohlen, fuer die vollstaendigkeit der Schnittstelle, in den XSDs des jeweiligen Systems einen Aufzaehlungstypen vom Basistypen 'ct:INT1' mit den jeweiligen Fehlercodes des Systems zu definieren.</p>                                                                                                                                                                                                |        |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| Type        | tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |
| Properties  | content:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | simple |
| Facets      | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 255    |
|             | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0      |
| Source      | <pre>&lt;xs:element name="transAblehnungGrund" type="ct:INT1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;WICHTIG: Aus Historischen Gruenden ist TXA_Type ein allgemeiner Typ, der von allen teilnehmenden Systemen genutzt wird. Das fuehrt dazu, dass sich alle Systeme dieselben 'transAblehnungGrund' Fehlercodes teilen. Dies ist suboptimal, da, wann immer sich einer der 'transAblehnungGrund' Fehlercodes veraendert, alle teilnehmenden Systeme angepasst, getestet und in einer neuen Version zur Verfuegung gestellt werden muessten. Um TXA wie bisher weiterverwenden zu koennen, und um das beschriebene Abhaengigkeitsproblem zu vermeiden, wurde dieses Feld nicht mit expliziter Aufzaehlung der moeglichen Fehlercodes, sondern mit einem simplen numerischen Typen versehen. Die genauen Fehlercodes sind der Schnittstelle des jeweiligen konkreten teilnehmenden Systems zu entnehmen. Die Codes 0 bis 9 (einschliesslich) sind fuer allgemeine Fehler reserviert und duerfen von den teilnehmenden Systemen nur fuer die vorgesehene Semantik verwendet werden (siehe Typ 'CommonServiceResultCode'). Es wird empfohlen, fuer die vollstaendigkeit der Schnittstelle, in den XSDs des jeweiligen Systems einen Aufzaehlungstypen vom Basistypen 'ct:INT1' mit den jeweiligen Fehlercodes des Systems zu definieren.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:element&gt;</pre> |        |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------|

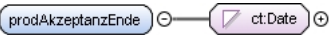
## Element tns:TXAS\_Type / transSendeAuftrag

|                 |                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                               |
| Diagram         |                                                                                                                                                                                                           |
| Type            | restriction of tns:PrintableString                                                                                                                                                                                                                                                         |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:string</li> <li>tns:PrintableString</li> </ul>                                                                                                                                                                                                   |
| Properties      | content: simple                                                                                                                                                                                                                                                                            |
| Facets          | minLength 0                                                                                                                                                                                                                                                                                |
|                 | maxLength 10                                                                                                                                                                                                                                                                               |
|                 | pattern [ -p]*                                                                                                                                                                                                                                                                             |
| Source          | <pre>&lt;xs:element name="transSendeAuftrag"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="tns:PrintableString"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="10"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                               |

## Element tns:TXAS\_Type / transSendeAuftragstyp

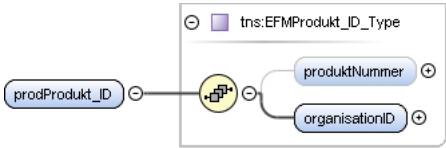
|                 |                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                     |
| Diagram         |                               |
| Type            | tns:AuftragsTyp_CODE                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:AuftragsTyp_CODE</li> </ul> |
| Properties      | content: simple                                                                                                  |
| Facets          | maxInclusive 255                                                                                                 |
|                 | minInclusive 0                                                                                                   |
| Source          | <pre>&lt;xs:element name="transSendeAuftragstyp" type="tns:AuftragsTyp_CODE"/&gt;</pre>                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd     |

## Element tns:TXDEABER\_Req\_Type / prodAkzeptanzEnde

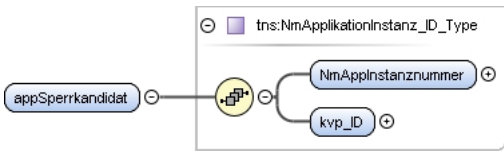
|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                           |
| Type            | tns:Date                                                                                                     |
| Properties      | content: simple                                                                                              |
| Source          | <pre>&lt;xs:element name="prodAkzeptanzEnde" type="ct:Date"/&gt;</pre>                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

## Element tns:TXDEABER\_Req\_Type / prodProdukt\_ID

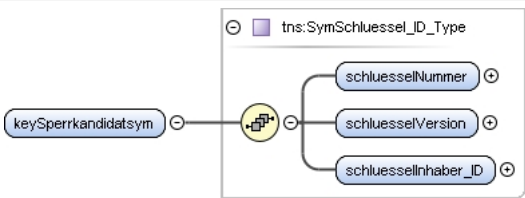
|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|                 |                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                  |
| Type            | tns:EFMProdukt_ID_Type                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                  |
| Model           | produktNummer{0,1} , organisationID                                                                                                                               |
| Children        | organisationID, produktNummer                                                                                                                                     |
| Instance        | <pre>&lt;prodProdukt_ID&gt;   &lt;produktNummer&gt;{0,1}&lt;/produktNummer&gt;   &lt;organisationID&gt;{1,1}&lt;/organisationID&gt; &lt;/prodProdukt_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="prodProdukt_ID" type="tns:EFMProdukt_ID_Type"/&gt;</code>                                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                      |

### Element tns:TXSMITA\_Type / appSperrkandidat

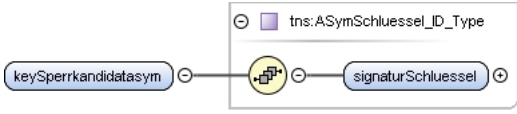
|                 |                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                    |
| Diagram         |                                                                                |
| Type            | tns:NmApplikationInstanz_ID_Type                                                                                                                                |
| Properties      | content: complex<br>nillable: false                                                                                                                             |
| Model           | NmAppInstanznummer , kvp_ID                                                                                                                                     |
| Children        | NmAppInstanznummer, kvp_ID                                                                                                                                      |
| Instance        | <pre>&lt;appSperrkandidat&gt;   &lt;NmAppInstanznummer&gt;{1,1}&lt;/NmAppInstanznummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/appSperrkandidat&gt;</pre> |
| Source          | <code>&lt;xs:element name="appSperrkandidat" type="tns:NmApplikationInstanz_ID_Type" nillable="false"/&gt;</code>                                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                    |

### Element tns:TXSANFSYMK\_Type / keySperrkandidatsym

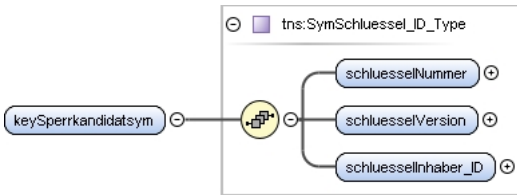
|            |                                                                                                                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                                                                                                                                                                                             |
| Diagram    |                                                                                                                                                                       |
| Type       | tns:SymSchluessel_ID_Type                                                                                                                                                                                                                                |
| Properties | content: complex                                                                                                                                                                                                                                         |
| Model      | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                              |
| Children   | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                |
| Instance   | <pre>&lt;keySperrkandidatsym&gt;   &lt;schluesselNummer&gt;{1,1}&lt;/schluesselNummer&gt;   &lt;schluesselVersion&gt;{1,1}&lt;/schluesselVersion&gt;   &lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/keySperrkandidatsym&gt;</pre> |
| Source     | <code>&lt;xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/&gt;</code>                                                                                                                                                             |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------|

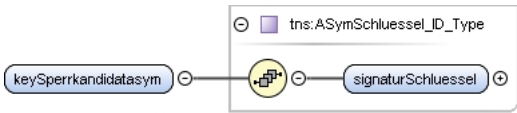
## Element tns:TXSANFASYMK\_Type / keySperrkandidatasy

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                     |
| Diagram         |                                                 |
| Type            | tns:ASymSchluessel_ID_Type                                                                                                       |
| Properties      | content: complex                                                                                                                 |
| Model           | signaturSchluessel                                                                                                               |
| Children        | signaturSchluessel                                                                                                               |
| Instance        | <pre>&lt;keySperrkandidatasy&gt;   &lt;signaturSchluessel&gt;{1,1}&lt;/signaturSchluessel&gt; &lt;/keySperrkandidatasy&gt;</pre> |
| Source          | <pre>&lt;xs:element name="keySperrkandidatasy" type="tns:ASymSchluessel_ID_Type"/&gt;</pre>                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                     |

## Element tns:TXSFREIMITSYMK\_Type / keySperrkandidatsym

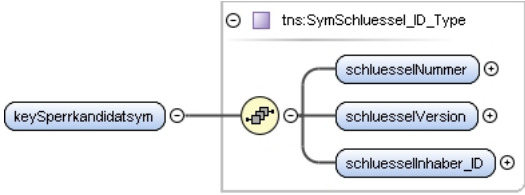
|                 |                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                       |
| Diagram         |                                                                                                                                                                  |
| Type            | tns:SymSchluessel_ID_Type                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                   |
| Model           | schlueselNummer , schlueselVersion , schlueselInhaber_ID                                                                                                                                                                                           |
| Children        | schlueselInhaber_ID, schlueselNummer, schlueselVersion                                                                                                                                                                                             |
| Instance        | <pre>&lt;keySperrkandidatsym&gt;   &lt;schlueselNummer&gt;{1,1}&lt;/schlueselNummer&gt;   &lt;schlueselVersion&gt;{1,1}&lt;/schlueselVersion&gt;   &lt;schlueselInhaber_ID&gt;{1,1}&lt;/schlueselInhaber_ID&gt; &lt;/keySperrkandidatsym&gt;</pre> |
| Source          | <pre>&lt;xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/&gt;</pre>                                                                                                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                       |

## Element tns:TXSFREIMITASYMK\_Type / keySperrkandidatasy

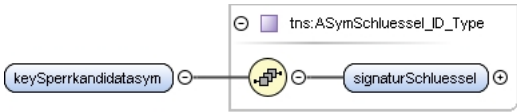
|            |                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                                                                     |
| Diagram    |                                               |
| Type       | tns:ASymSchluessel_ID_Type                                                                                                       |
| Properties | content: complex                                                                                                                 |
| Model      | signaturSchluessel                                                                                                               |
| Children   | signaturSchluessel                                                                                                               |
| Instance   | <pre>&lt;keySperrkandidatasy&gt;   &lt;signaturSchluessel&gt;{1,1}&lt;/signaturSchluessel&gt; &lt;/keySperrkandidatasy&gt;</pre> |
| Source     | <pre>&lt;xs:element name="keySperrkandidatasy" type="tns:ASymSchluessel_ID_Type"/&gt;</pre>                                      |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------|

## Element tns:TXSMITSYMK\_Type / keySperrkandidatsym

|                 |                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                                               |
| Diagram         |  <p>The diagram shows the 'keySperrkandidatsym' element containing a complex structure 'tns:SymSchluessel_ID_Type'. This structure contains three sub-elements: 'schluesselNummer', 'schluesselVersion', and 'schluesselInhaber_ID', each with a cardinality of 1..1.</p> |
| Type            | tns:SymSchluessel_ID_Type                                                                                                                                                                                                                                                                                                                                  |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                           |
| Model           | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                                                                                                                                |
| Children        | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                                                                                                                  |
| Instance        | <pre>&lt;keySperrkandidatsym&gt;   &lt;schluesselNummer&gt;{1,1}&lt;/schluesselNummer&gt;   &lt;schluesselVersion&gt;{1,1}&lt;/schluesselVersion&gt;   &lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/keySperrkandidatsym&gt;</pre>                                                                                                   |
| Source          | <xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/>                                                                                                                                                                                                                                                                                  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                               |

## Element tns:TXSMITASYMK\_Type / keySperrkandidatasym

|                 |                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                            |
| Diagram         |  <p>The diagram shows the 'keySperrkandidatasym' element containing a complex structure 'tns:ASymSchluessel_ID_Type'. This structure contains one sub-element: 'signaturSchluessel', with a cardinality of 1..1.</p> |
| Type            | tns:ASymSchluessel_ID_Type                                                                                                                                                                                                                                                                              |
| Properties      | content: complex                                                                                                                                                                                                                                                                                        |
| Model           | signaturSchluessel                                                                                                                                                                                                                                                                                      |
| Children        | signaturSchluessel                                                                                                                                                                                                                                                                                      |
| Instance        | <pre>&lt;keySperrkandidatasym&gt;   &lt;signaturSchluessel&gt;{1,1}&lt;/signaturSchluessel&gt; &lt;/keySperrkandidatasym&gt;</pre>                                                                                                                                                                      |
| Source          | <xs:element name="keySperrkandidatasym" type="tns:ASymSchluessel_ID_Type"/>                                                                                                                                                                                                                             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                            |

## Element tns:TXSNAWA\_Req\_Type / samSperrkandidat

|                |                                                                                                                                                                                              |              |          |              |   |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Namespace      | No namespace                                                                                                                                                                                 |              |          |              |   |
| Diagram        |  <p>The diagram shows the 'samSperrkandidat' element containing a simple structure 'tns:SAM_ID_Type'.</p> |              |          |              |   |
| Type           | tns:SAM_ID_Type                                                                                                                                                                              |              |          |              |   |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:ReferenceNumberThree</li> <li>tns:SAM_ID_Type</li> </ul>                                                |              |          |              |   |
| Properties     | content: simple                                                                                                                                                                              |              |          |              |   |
| Facets         | <table> <tr> <td>maxInclusive</td><td>16777215</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                  | maxInclusive | 16777215 | minInclusive | 0 |
| maxInclusive   | 16777215                                                                                                                                                                                     |              |          |              |   |
| minInclusive   | 0                                                                                                                                                                                            |              |          |              |   |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Source          | <code>&lt;xs:element name="samSperrkandidat" type="tns:SAM_ID_Type"/&gt;</code>                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

## Element tns:TXSNAWA\_Req\_Type / orgSperrkandidat

|                 |                                                                                                                                                 |              |       |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | No namespace                                                                                                                                    |              |       |              |   |
| Diagram         |                                                                                                                                                 |              |       |              |   |
| Type            | tns:Organisation_ID                                                                                                                             |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |              |       |              |   |
| Properties      | content: simple                                                                                                                                 |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                        | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                           |              |       |              |   |
| minInclusive    | 0                                                                                                                                               |              |       |              |   |
| Source          | <code>&lt;xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/&gt;</code>                                                              |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                    |              |       |              |   |

## Element tns:TXSNAWA\_Req\_Type / zyklusNummer

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |            |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |            |              |   |
| Annotations     | Die Sperrlisten-Zyklusnummer identifiziert eindeutig den Zeitpunkt der der Sperrliste zugrundeliegenden Sperrobjekte. Der Zyklus kann von einer NM-Liste oder einer ORG bzw. SAM Liste sein. Wenn samSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die SAM Liste, wenn orgSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die ORG Liste, ist nichts von beidem gesetzt, bezieht sich der Zyklus auf die NM Liste.                                                                                                                                                                                                                                       |              |            |              |   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |            |              |   |
| Type            | tns:SperrlistenZyklusNummer_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:SperrlistenZyklusNummer_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |            |              |   |
| Properties      | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |            |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |            |              |   |
| Source          | <pre> &lt;xs:element name="zyklusNummer" type="tns:SperrlistenZyklusNummer_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Die Sperrlisten-Zyklusnummer identifiziert eindeutig den Zeitpunkt der der     Sperrliste zugrundeliegenden Sperrobjekte. Der Zyklus kann von einer NM-Liste oder einer ORG bzw.     SAM Liste sein. Wenn samSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die SAM Liste,     wenn orgSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die ORG Liste, ist nichts von     beidem gesetzt, bezieht sich der Zyklus auf die NM Liste.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre> |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |            |              |   |

## Element tns:TXSNAWA\_Req\_Type / sperrrtransaktionsApplikation

|           |              |
|-----------|--------------|
| Namespace | No namespace |
| Diagram   |              |

|                 |                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:Transaktionsdatensatz_Type                                                                                                                 |
| Properties      | content: complex                                                                                                                               |
| Model           | Transaktionsdaten                                                                                                                              |
| Children        | Transaktionsdaten                                                                                                                              |
| Instance        | <pre>&lt;sperrtransaktionApplikation&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; &lt;/sperrtransaktionApplikation&gt;</pre> |
| Source          | <code>&lt;xs:element name="sperrtransaktionApplikation" type="tns:Transaktionsdatensatz_Type"/&gt;</code>                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                   |

## Element tns:TXSNAWA\_Req\_Type / appNmTransaktionMAC

|                 |                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                            |
| Diagram         |                                                                                                                                                                                                                                                                                                         |
| Type            | tns:appNmTransaktionMAC_Type                                                                                                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                                                                        |
| Model           | appMAC_AH , appMAC_KVP , appMAC_AH_Schluesel_ID , appMAC_KVP_Schluesel_ID                                                                                                                                                                                                                               |
| Children        | appMAC_AH, appMAC_AH_Schluesel_ID, appMAC_KVP, appMAC_KVP_Schluesel_ID                                                                                                                                                                                                                                  |
| Instance        | <pre>&lt;appNmTransaktionMAC&gt;   &lt;appMAC_AH&gt;{1,1}&lt;/appMAC_AH&gt;   &lt;appMAC_KVP&gt;{1,1}&lt;/appMAC_KVP&gt;   &lt;appMAC_AH_Schluesel_ID&gt;{1,1}&lt;/appMAC_AH_Schluesel_ID&gt;   &lt;appMAC_KVP_Schluesel_ID&gt;{1,1}&lt;/appMAC_KVP_Schluesel_ID&gt; &lt;/appNmTransaktionMAC&gt;</pre> |
| Source          | <code>&lt;xs:element name="appNmTransaktionMAC" type="tns:appNmTransaktionMAC_Type"/&gt;</code>                                                                                                                                                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                            |

## Element tns:TXSNAWB\_Req\_Type / samSperrkandidat

|                 |                                                                                                                                               |              |          |              |   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Namespace       | No namespace                                                                                                                                  |              |          |              |   |
| Diagram         |                                                                                                                                               |              |          |              |   |
| Type            | tns:SAM_ID_Type                                                                                                                               |              |          |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:ReferenceNumberThree</li> <li>tns:SAM_ID_Type</li> </ul> |              |          |              |   |
| Properties      | content: simple                                                                                                                               |              |          |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>16777215</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                   | maxInclusive | 16777215 | minInclusive | 0 |
| maxInclusive    | 16777215                                                                                                                                      |              |          |              |   |
| minInclusive    | 0                                                                                                                                             |              |          |              |   |
| Source          | <code>&lt;xs:element name="samSperrkandidat" type="tns:SAM_ID_Type"/&gt;</code>                                                               |              |          |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                  |              |          |              |   |

## Element tns:TXSNAWB\_Req\_Type / orgSperrkandidat

|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|                 |                                                                                                                                                 |              |       |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Diagram         |                                                                                                                                                 |              |       |              |   |
| Type            | tns:Organisation_ID                                                                                                                             |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> |              |       |              |   |
| Properties      | content: simple                                                                                                                                 |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                        | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                           |              |       |              |   |
| minInclusive    | 0                                                                                                                                               |              |       |              |   |
| Source          | <code>&lt;xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/&gt;</code>                                                              |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                    |              |       |              |   |

## Element tns:TXSNAWB\_Req\_Type / zyklusNummer

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |            |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |            |              |   |
| Annotations     | Die Sperrlisten-Zyklusnummer identifiziert eindeutig den Zeitpunkt der der Sperrliste zugrundeliegenden Sperrobjekte. Der Zyklus kann von einer NM-Liste oder einer ORG bzw. SAM Liste sein. Wenn samSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die SAM Liste, wenn orgSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die ORG Liste, ist nichts von beidem gesetzt, bezieht sich der Zyklus auf die NM Liste.                                                                                                                                                                                                                                       |              |            |              |   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |            |              |   |
| Type            | tns:SperrlistenZyklusNummer_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:SperrlistenZyklusNummer_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |            |              |   |
| Properties      | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |            |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |            |              |   |
| Source          | <pre> &lt;xs:element name="zyklusNummer" type="tns:SperrlistenZyklusNummer_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Die Sperrlisten-Zyklusnummer identifiziert eindeutig den Zeitpunkt der der     Sperrliste zugrundeliegenden Sperrobjekte. Der Zyklus kann von einer NM-Liste oder einer ORG bzw.     SAM Liste sein. Wenn samSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die SAM Liste,     wenn orgSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die ORG Liste, ist nichts von     beidem gesetzt, bezieht sich der Zyklus auf die NM Liste.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre> |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |            |              |   |

## Element tns:TXSNAWB\_Req\_Type / sperrtransaktionBerechtigung

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                                                 |
| Diagram    |                                                                                                              |
| Type       | tns:Transaktionsdatensatz_Type                                                                               |
| Properties | content: complex                                                                                             |
| Model      | Transaktionsdaten                                                                                            |
| Children   | Transaktionsdaten                                                                                            |
| Instance   | <pre> &lt;sperrtransaktionBerechtigung&gt;   &lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt; </pre> |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;/sperrtransaktionBerechtigung&gt;</code>                                                           |
| Source          | <code>&lt;xs:element name="sperrtransaktionBerechtigung" type="tns:Transaktionsdatensatz_Type"/&gt;</code>   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

## Element tns:TXSNAWB\_Req\_Type / berNmTransaktionMAC

|                 |                                                                                                                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                              |
| Diagram         | <pre> graph LR     A[berNmTransaktionMAC] --&gt; B[tns:berNmTransaktionMAC_Type]     B --&gt; C[berMAC_PV]     B --&gt; D[berMAC_KVP]     B --&gt; E[berMAC_PV_Schlüssel_ID]     B --&gt; F[berMAC_KVP_Schlüssel_ID] </pre>                                                                               |
| Type            | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                                                                              |
| Properties      | content: complex                                                                                                                                                                                                                                                                                          |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schlüssel_ID , berMAC_KVP_Schlüssel_ID                                                                                                                                                                                                                                 |
| Children        | berMAC_KVP, berMAC_KVP_Schlüssel_ID, berMAC_PV, berMAC_PV_Schlüssel_ID                                                                                                                                                                                                                                    |
| Instance        | <pre> &lt;berNmTransaktionMAC&gt;   &lt;berMAC_PV&gt;{1,1}&lt;/berMAC_PV&gt;   &lt;berMAC_KVP&gt;{1,1}&lt;/berMAC_KVP&gt;   &lt;berMAC_PV_Schlüssel_ID&gt;{1,1}&lt;/berMAC_PV_Schlüssel_ID&gt;   &lt;berMAC_KVP_Schlüssel_ID&gt;{1,1}&lt;/berMAC_KVP_Schlüssel_ID&gt; &lt;/berNmTransaktionMAC&gt; </pre> |
| Source          | <code>&lt;xs:element name="berNmTransaktionMAC" type="tns:berNmTransaktionMAC_Type"/&gt;</code>                                                                                                                                                                                                           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                              |