

# Schema documentation for XML- Schema\_AH.xsd

june 3, 2026

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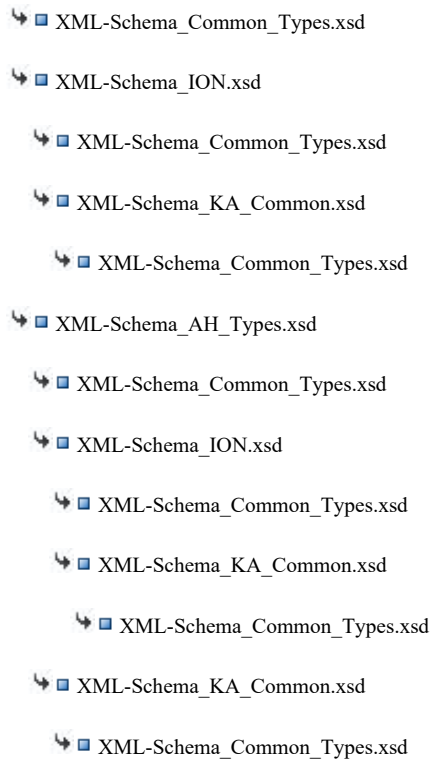
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## Resource hierarchy:

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

XML-Schema\_AH.xsd



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

## Schema(s)

**Main schema XML - Schema\_AH .xsd**

|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/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/ah/2/XML-Schema_AH.xsd |

## Element(s)

**Element ah : TXSANFO**

|             |                                                  |
|-------------|--------------------------------------------------|
| Namespace   | http://vdv/ka/ah/2                               |
| Annotations | Element: Sperranforderung fuer eine Organisation |

|                 |                                                                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                      |
| Type            | ah:TXSANFO_Type                                                                                                                                                                                                                                                                                                      |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>ah:TXSANFO_Type</li> </ul>                                                                                                                                                                                                |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                     |
| Model           | txbase , sperrSperrgrund , tns:Organisation_ID.organisationsNummer                                                                                                                                                                                                                                                   |
| Children        | sperrSperrgrund, tns:Organisation_ID.organisationsNummer, txbase                                                                                                                                                                                                                                                     |
| Instance        | <pre>&lt;ah:TXSANFO xmlns:ah="http://vdv/ka/ah/2" xmlns:at="http://vdv/ka/ah/types/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;at:Organisation_ID.organisationsNummer&gt;{1,1}&lt;/at:Organisation_ID.organisationsNummer&gt; &lt;/ah:TXSANFO&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSANFO" type="ah:TXSANFO_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperranforderung fuer eine 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                           |

## Element ah:TXSANFS

|                |                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ah/2                                                                                                    |
| Annotations    | Element: Sperranforderung fuer eine SAM                                                                               |
| Diagram        |                                                                                                                       |
| Type           | ah:TXSANFS_Type                                                                                                       |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>ah:TXSANFS_Type</li> </ul> |
| Properties     | content: complex                                                                                                      |

|                 |                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | txbase , sperrSperrgrund , samSperrkandidat , samSequenznummer                                                                                                                                                                                                                                |
| Children        | samSequenznummer, samSperrkandidat, sperrSperrgrund, txbase                                                                                                                                                                                                                                   |
| Instance        | <pre>&lt;ah:TXSANFS xmlns:ah="http://vdv/ka/ah/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;samSperrkandidat&gt;{1,1}&lt;/samSperrkandidat&gt;   &lt;samSequenznummer&gt;{1,1}&lt;/samSequenznummer&gt; &lt;/ah:TXSANFS&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSANFS" type="ah:TXSANFS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperranforderung fuer eine 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                    |

## Element ah:TXSAANFO

|                 |                                                                                                                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                     |
| Annotations     | Element: Sperranforderung fuer eine Organisation                                                                                                                                                                                                                                                                       |
| Diagram         |                                                                                                                                                                                                                                                                                                                        |
| Type            | ah:TXSAANFO_Type                                                                                                                                                                                                                                                                                                       |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>ah:TXSANFO_Type</li> <li>ah:TXSAANFO_Type</li> </ul>                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                       |
| Model           | txbase , sperrSperrgrund , tns:Organisation_ID.organisationsNumber                                                                                                                                                                                                                                                     |
| Children        | sperrSperrgrund, tns:Organisation_ID.organisationsNumber, txbase                                                                                                                                                                                                                                                       |
| Instance        | <pre>&lt;ah:TXSAANFO xmlns:ah="http://vdv/ka/ah/2" xmlns:at="http://vdv/ka/ah/types/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;at:Organisation_ID.organisationsNumber&gt;{1,1}&lt;/at:Organisation_ID.organisationsNumber&gt; &lt;/ah:TXSAANFO&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSAANFO" type="ah:TXSAANFO_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperraufhebungsanforderung fuer eine 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                             |

## Element ah:TXSAANFS

|             |                                                   |
|-------------|---------------------------------------------------|
| Namespace   | http://vdv/ka/ah/2                                |
| Annotations | Element: Sperraufhebungsanforderung fuer eine SAM |

|                 |                                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                 |
| Type            | ah:TXSAANFS_Type                                                                                                                                                                                                                                                                                |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>ah:TXSANFS_Type</li> <li>ah:TXSAANFS_Type</li> </ul>                                                                                                                                                 |
| Properties      | content: complex                                                                                                                                                                                                                                                                                |
| Model           | txbase , sperrSperrgrund , samSperrkandidat , samSequenznummer                                                                                                                                                                                                                                  |
| Children        | samSequenznummer, samSperrkandidat, sperrSperrgrund, txbase                                                                                                                                                                                                                                     |
| Instance        | <pre>&lt;ah:TXSAANFS xmlns:ah="http://vdv/ka/ah/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt;   &lt;samSperrkandidat&gt;{1,1}&lt;/samSperrkandidat&gt;   &lt;samSequenznummer&gt;{1,1}&lt;/samSequenznummer&gt; &lt;/ah:TXSAANFS&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXSAANFS" type="ah:TXSAANFS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperraufhebungsanforderung fuer eine 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                      |

## Element ah:TXKNAWDM

|             |                                           |
|-------------|-------------------------------------------|
| Namespace   | http://vdv/ka/ah/2                        |
| Annotations | Element: Kontrollnachweis Defektes Medium |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type            | ah:TXKNAWDM_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXKNAWDM_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                    |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Model           | txbase , logTransaktionsOperator_ID , logTerminal_ID , logTransaktionsZeitpunkt , logTransaktionsOrt_ID , transMediennummer                                                                                                                                                                                                                                                                                                                                     |
| Children        | logTerminal_ID , logTransaktionsOperator_ID , logTransaktionsOrt_ID , logTransaktionsZeitpunkt , transMediennummer , txbase                                                                                                                                                                                                                                                                                                                                     |
| Instance        | <pre>&lt;ah:TXKNAWDM xmlns:ah="http://vdv/ka/ah/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;logTransaktionsOperator_ID&gt;{1,1}&lt;/logTransaktionsOperator_ID&gt;   &lt;logTerminal_ID&gt;{1,1}&lt;/logTerminal_ID&gt;   &lt;logTransaktionsZeitpunkt&gt;{1,1}&lt;/logTransaktionsZeitpunkt&gt;   &lt;logTransaktionsOrt_ID&gt;{1,1}&lt;/logTransaktionsOrt_ID&gt;   &lt;transMediennummer&gt;{1,1}&lt;/transMediennummer&gt; &lt;/ah:TXKNAWDM&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXKNAWDM" type="ah:TXKNAWDM_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Kontrollnachweis Defektes 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                      |

## Element ah:TXAA

|             |                                    |
|-------------|------------------------------------|
| Namespace   | http://vdv/ka/ah/2                 |
| Annotations | Element: Ausgabe einer Applikation |
| Diagram     |                                    |

|                 |                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | ah:TXAA_Type                                                                                                                                                                                                                                                                                                                                                                               |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXAA_Type</li> </ul>                                                                                                                                                                                                                                                                                                   |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                           |
| Model           | txbase , nmMedium_ID.nutzermediumNumber , tx_app , ausgabeTransaktionApplikation , appNmTransaktionMAC                                                                                                                                                                                                                                                                                     |
| Children        | appNmTransaktionMAC, ausgabeTransaktionApplikation, nmMedium_ID.nutzermediumNumber, tx_app, txbase                                                                                                                                                                                                                                                                                         |
| Instance        | <pre>&lt;ah:TXAA xmlns:ah="http://vdv/ka/ah/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;nmMedium_ID.nutzermediumNumber&gt;{1,1}&lt;/nmMedium_ID.nutzermediumNumber&gt;   &lt;tx_app&gt;{1,1}&lt;/tx_app&gt;   &lt;ausgabeTransaktionApplikation&gt;{1,1}&lt;/ausgabeTransaktionApplikation&gt;   &lt;appNmTransaktionMAC&gt;{1,1}&lt;/appNmTransaktionMAC&gt; &lt;/ah:TXAA&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXAA" type="ah:TXAA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Ausgabe einer 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                 |

## Element ah:TXLKAORG

|                |                                                                                                                                                                                                                                                                                                                                      |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                   |
| Annotations    | Element: Liste der Organisationen incl. deren zugeordneten Rollen                                                                                                                                                                                                                                                                    |
| Diagram        |                                                                                                                                                                                                                                                                                                                                      |
| Type           | ah:TX_LKAORG_Type                                                                                                                                                                                                                                                                                                                    |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> <li>ah:TX_LKAORG_Type</li> </ul>                                                                                                                                                                                                               |
| Properties     | content: complex                                                                                                                                                                                                                                                                                                                     |
| Model          | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , orgListe                                                                                                                                                                                                                                                         |
| Children       | orgListe, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                  |
| Instance       | <pre>&lt;ah:TXLKAORG xmlns:ah="http://vdv/ka/ah/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;orgListe&gt;{1,1}&lt;/orgListe&gt; &lt;/ah:TXLKAORG&gt;</pre> |
| Source         | <pre>&lt;xs:element name="TXLKAORG" type="ah:TX_LKAORG_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Liste der Organisationen incl. deren zugeordneten Rollen&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/ah/2/XML-Schema_AH.xsd |
|-----------------|------------------------------------------------------------------------------------------------------------|

## Element ah:TXLKAORGReq

|                 |                                                                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/2                                                                                                                                                                                                                                        |
| Annotations     | Element: Dienstanfrage: "Liste der Organisationen."                                                                                                                                                                                                       |
| Diagram         |                                                                                                                                                                                                                                                           |
| Type            | ah:TXLKAORGReq_Type                                                                                                                                                                                                                                       |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXLKAORGReq_Type</li> </ul>                                                                                                                                                           |
| Properties      | content: complex                                                                                                                                                                                                                                          |
| Model           | txbase                                                                                                                                                                                                                                                    |
| Children        | txbase                                                                                                                                                                                                                                                    |
| Instance        | <pre>&lt;ah:TXLKAORGReq xmlns:ah="http://vdv/ka/ah/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt; &lt;/ah:TXLKAORGReq&gt;</pre>                                                                                                                              |
| Source          | <pre>&lt;xs:element name="TXLKAORGReq" type="ah:TXLKAORGReq_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Dienstanfrage: "Liste der 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                |

## Element ah:TXLZVMORG

|                |                                                                                                                                |
|----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ah/2                                                                                                             |
| Annotations    | Element: Liste der Organisationen incl. deren zugeordneten Rollen, URLs zum Zielsystem und E-Mail Adressen der Ansprechpartner |
| Diagram        |                                                                                                                                |
| Type           | ah:TX_LZVMORG_Type                                                                                                             |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> <li>ah:TX_LZVMORG_Type</li> </ul>        |
| Properties     | content: complex                                                                                                               |
| Model          | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , orgListe                                                   |

|                 |                                                                                                                                                                                                                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Children        | orgListe, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                    |
| Instance        | <pre>&lt;ah:TXLZVMORG xmlns:ah="http://vdv/ka/ah/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;orgListe&gt;{1,1}&lt;/orgListe&gt; &lt;/ah:TXLZVMORG&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXLZVMORG" type="ah:TX_LZVMORG_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Liste der Organisationen incl. deren zugeordneten Rollen, URLs zum Zielsystem und E-Mail Adressen der Ansprechpartner&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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                             |

## Element ah:TXLZVMORGReq

|                 |                                                                                                                                                                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/2                                                                                                                                                                                                                                           |
| Annotations     | Element: Dienstanfrage: "Liste der Organisationen."                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                              |
| Type            | ah:TXLZVMORG_Req_Type                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXLZVMORG_Req_Type</li> </ul>                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                             |
| Model           | txbase                                                                                                                                                                                                                                                       |
| Children        | txbase                                                                                                                                                                                                                                                       |
| Instance        | <pre>&lt;ah:TXLZVMORGReq xmlns:ah="http://vdv/ka/ah/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt; &lt;/ah:TXLZVMORGReq&gt;</pre>                                                                                                                               |
| Source          | <pre>&lt;xs:element name="TXLZVMORGReq" type="ah:TXLZVMORG_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Dienstanfrage: "Liste der 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                   |

## Element ah:TXRA

|             |                                       |
|-------------|---------------------------------------|
| Namespace   | http://vdv/ka/ah/2                    |
| Annotations | Element: Ruecknahme einer Applikation |
| Diagram     |                                       |

|                 |                                                                                                                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | ah:TXRA_Type                                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXRA_Type</li> </ul>                                                                                                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                    |
| Model           | txbase , ruecknahmeTransaktionApplikation , appNmTransaktionMAC , appVersion                                                                                                                                                                                                                                        |
| Children        | appNmTransaktionMAC, appVersion, ruecknahmeTransaktionApplikation, txbase                                                                                                                                                                                                                                           |
| Instance        | <pre>&lt;ah:TXRA xmlns:ah="http://vdv/ka/ah/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;ruecknahmeTransaktionApplikation&gt;{1,1}&lt;/ruecknahmeTransaktionApplikation&gt;   &lt;appNmTransaktionMAC&gt;{1,1}&lt;/appNmTransaktionMAC&gt;   &lt;appVersion&gt;{1,1}&lt;/appVersion&gt; &lt;/ah:TXRA&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXRA" type="ah:TXRA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Ruecknahme einer 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                          |

## Element ah:TXAEA

|                 |                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                               |
| Annotations     | Element: Aenderung einer Applikation                                                                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                  |
| Type            | ah:TXAEA_Type                                                                                                                                                                                                                                                                                                                                    |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXAEA_Type</li> </ul>                                                                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                 |
| Model           | txbase , appInstanzId , appGueltigkeitsende , appGueltigkeitsbeginn , appVersion                                                                                                                                                                                                                                                                 |
| Children        | appGueltigkeitsbeginn, appGueltigkeitsende, appInstanzId, appVersion, txbase                                                                                                                                                                                                                                                                     |
| Instance        | <pre>&lt;ah:TXAEA xmlns:ah="http://vdv/ka/ah/2"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;appInstanzId&gt;{1,1}&lt;/appInstanzId&gt;   &lt;appGueltigkeitsende&gt;{1,1}&lt;/appGueltigkeitsende&gt;   &lt;appGueltigkeitsbeginn&gt;{1,1}&lt;/appGueltigkeitsbeginn&gt;   &lt;appVersion&gt;{1,1}&lt;/appVersion&gt; &lt;/ah:TXAEA&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXAEA" type="ah:TXAEA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Aenderung einer 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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                       |

## Complex Type(s)

### Complex Type ah:TXSANFO\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                  |         |            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|---------|------------|
| Namespace       | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                  |         |            |
| Annotations     | Typ: Sperranforderung fuer eine Organisation                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                  |         |            |
| 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>ah:TXSANFO_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                |              |                  |         |            |
| Used by         | <table> <tr> <td>Complex Type</td><td>ah:TXSAANFO_Type</td></tr> <tr> <td>Element</td><td>ah:TXSANFO</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                              | Complex Type | ah:TXSAANFO_Type | Element | ah:TXSANFO |
| Complex Type    | ah:TXSAANFO_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                  |         |            |
| Element         | ah:TXSANFO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                  |         |            |
| Model           | txbase , sperrSperrgrund , tns:Organisation_ID.organisationsNummer                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                  |         |            |
| Children        | sperrSperrgrund, tns:Organisation_ID.organisationsNummer, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                  |         |            |
| Source          | <pre> &lt;xs:complexType name="TXSANFO_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperranforderung fuer eine Organisation&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 ref="at:Organisation_ID.organisationsNummer"/&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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                           |              |                  |         |            |

### Complex Type ah:TXSANFS\_Type

|                |                                                                                              |
|----------------|----------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ah/2                                                                           |
| Annotations    | Typ: Sperranforderung fuer eine SAM                                                          |
| 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> </ul> |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | <ul style="list-style-type: none"> <li>ah:TXSANFS_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Used by              | Complex Type      ah:TXSAANFS_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                      | Element              ah:TXSANFS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Model                | txbase , sperrSperrgrund , samSperrkandidat , samSequenznummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Children             | samSequenznummer, samSperrkandidat, sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Source               | <pre> &lt;xs:complexType name="TXSANFS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperranforderung fuer eine SAM&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="samSperrkandidat" type="ct:ReferenceNumberThree"/&gt;         &lt;xs:element name="samSequenznummer" type="ct:SequenceNumberFour"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema loca-<br>tion | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Complex Type ah:TXSAANFO\_Type

|                      |                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace            | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                                      |
| Annotations          | Typ: Sperraufhebungsanforderung fuer eine Organisation                                                                                                                                                                                                                                                                                                  |
| Diagram              |                                                                                                                                                                                                                                                                                                                                                         |
| Type                 | extension of ah:TXSANFO_Type                                                                                                                                                                                                                                                                                                                            |
| Type hierar-<br>chy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>ah:TXSANFO_Type</li> <li>ah:TXSAANFO_Type</li> </ul>                                                                                                                                                                                                         |
| Used by              | Element              ah:TXSAANFO                                                                                                                                                                                                                                                                                                                        |
| Model                | txbase , sperrSperrgrund , tns:Organisation_ID.organisationsNummer                                                                                                                                                                                                                                                                                      |
| Children             | sperrSperrgrund, tns:Organisation_ID.organisationsNummer, txbase                                                                                                                                                                                                                                                                                        |
| Source               | <pre> &lt;xs:complexType name="TXSAANFO_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperraufhebungsanforderung fuer eine Organisation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ah:TXSANFO_Type"/&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema loca-<br>tion | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                              |

## Complex Type ah:TXSAANFS\_Type

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

|                 |                                                                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | Typ: Sperraufhebungsanforderung fuer eine SAM                                                                                                                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                |
| Type            | extension of ah:TXSANFS_Type                                                                                                                                                                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>ah:TXSANFS_Type</li> <li>ah:TXSAANFS_Type</li> </ul>                                                                                                                                                                                                |
| Used by         | Element ah:TXSAANFS                                                                                                                                                                                                                                                                                                                            |
| Model           | txbase , sperrSperrgrund , samSperrkandidat , samSequenznummer                                                                                                                                                                                                                                                                                 |
| Children        | samSequenznummer, samSperrkandidat, sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                    |
| Source          | <pre> &lt;xs:complexType name="TXSAANFS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperraufhebungsanforderung fuer eine SAM&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ah:TXSANFS_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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                     |

## Complex Type ah:TXKNAWDM\_Type

|                |                                                                    |
|----------------|--------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ah/2                                                 |
| Annotations    | Typ: Kontrollnachweis Defektes Medium                              |
| Diagram        |                                                                    |
| Type           | extension of tns:TX_BASE_Type                                      |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> </ul> |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>ah:TXKNAWDM_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by         | Element ah:TXKNAWDM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Model           | txbase , logTransaktionsOperator_ID , logTerminal_ID , logTransaktionsZeitpunkt , logTransaktionsOrt_ID , transMediennummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children        | logTerminal_ID, logTransaktionsOperator_ID, logTransaktionsOrt_ID, logTransaktionsZeitpunkt, transMediennummer, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Source          | <pre> &lt;xs:complexType name="TXKNAWDM_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Kontrollnachweis Defektes 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="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="transMediennummer" type="ct:OctetString10"/&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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Complex Type ah:TXAA\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations     | Typ: Ausgabe einer Applikation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXAA_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Used by         | Element ah:TXAA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Model           | txbase , nmMedium_ID.nutzermediumNumber , tx_app , ausgabeTransaktionApplikation , appNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Children        | appNmTransaktionMAC, ausgabeTransaktionApplikation, nmMedium_ID.nutzermediumNumber, tx_app, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source          | <pre> &lt;xs:complexType name="TXAA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ausgabe einer 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="nmMedium_ID.nutzermediumNumber" type="ct:OctetString10"/&gt;         &lt;xs:element name="tx_app" type="at:TX_APP_Type"/&gt;         &lt;xs:element name="ausgabeTransaktionApplikation" type="ion:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="appNmTransaktionMAC" type="ion: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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Complex Type ah:TX\_LKAORG\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Annotations     | Typ: Liste der Organisationen incl. deren zugeordneten Rollen                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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>ah:TX_LKAORG_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                    |
| Used by         | Element ah:TXLKAORG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , orgListe                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Children        | orgListe, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Source          | <pre> &lt;xs:complexType name="TX_LKAORG_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Liste der Organisationen incl. deren zugeordneten Rollen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_RET_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="orgListe" type="ah:TXLKAORG_SL_DATA_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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                |

## Complex Type ah:TXLKAORG\_SL\_DATA\_Type

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Annotations | Typ: Organisationsliste aller Organisationen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Used by     | Element ah:TX_LKAORG_Type/orgListe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Model       | ErstellungsDatum , daten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children    | ErstellungsDatum, daten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source      | <pre> &lt;xs:complexType name="TXLKAORG_SL_DATA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Organisationsliste aller Organisationen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ErstellungsDatum" type="ct:DateTime"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Zeitpunkt der Listenerstellung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="daten" type="xs:base64Binary"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | <pre> &lt;/xs:element&gt; &lt;xs:element name="daten" type="xs:base64Binary" xmime:expectedContentTypes="application/ vnd.vdv.ah.txlkaorglist.sl.zip"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Dieses Element enthaelt die Organisationlistenmassendaten. Die Daten liegen in einem XML Format vor, die im zip Format komprimiert sind. Die den Daten zugrundeliegende Strukturdefinition ist im Schema http://vdv/ka/ah/attachments durch das Element "TXLKAORGLIST_Resp_SL" definiert.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema loca-<br>tion | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Complex Type ah:TXLKAORG\_Req\_Type

|                      |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace            | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                                    |
| Annotations          | Typ: Dienstanfrage: "Liste der Organisationen."                                                                                                                                                                                                                                                                                                       |
| Diagram              |                                                                                                                                                                                                                                                                                                                                                       |
| Type                 | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                         |
| Type hierar-<br>chy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXLKAORG_Req_Type</li> </ul>                                                                                                                                                                                                                                                      |
| Used by              | Element ah:TXLKAORGReq                                                                                                                                                                                                                                                                                                                                |
| Model                | txbase                                                                                                                                                                                                                                                                                                                                                |
| Children             | txbase                                                                                                                                                                                                                                                                                                                                                |
| Source               | <pre> &lt;xs:complexType name="TXLKAORG_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Dienstanfrage: "Liste der Organisationen."&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_Type"/&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema loca-<br>tion | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                            |

## Complex Type ah:TX\_LZVMORG\_Type

|                     |                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Namespace           | http://vdv/ka/ah/2                                                                                                         |
| Annotations         | Typ: Liste der Organisationen incl. deren zugeordneten Rollen, URLs zum Zielsystem und E-Mail Adressen der Ansprechpartner |
| Diagram             |                                                                                                                            |
| Type                | extension of tns:TX_RET_Type                                                                                               |
| Type hierar-<br>chy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> </ul>                                |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>ah:TX_LZVMORG_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Used by         | Element ah:TXLZVMORG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , orgListe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Children        | orgListe, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Source          | <pre> &lt;xs:complexType name="TX_LZVMORG_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Liste der Organisationen incl. deren zugeordneten Rollen, URLs zum Zielsystem und E-Mail Adressen der Ansprechpartner&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_RET_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="orgListe" type="ah:TXLZVMORG_SL_DATA_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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Complex Type ah:TXLZVMORG\_SL\_DATA\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Annotations     | Typ: Organisationsliste aller Organisationen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by         | Element ah:TX_LZVMORG_Type/orgListe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | ErstellungsDatum , daten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children        | ErstellungsDatum, daten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Source          | <pre> &lt;xs:complexType name="TXLZVMORG_SL_DATA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Organisationsliste aller Organisationen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ErstellungsDatum" type="ct:DateTime"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Zeitpunkt der Listenerstellung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="daten" type="xs:base64Binary" xmime:expectedContentTypes="application/vnd.vdv.ah.txlzvmorglist.zip"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Dieses Element enthaelt die Organisationlistenmassendaten. Die Daten liegen in einem XML Format vor, die im zip Format komprimiert sind. Die den Daten zugrundeliegende Strukturdefinition ist im Schema http://vdv/ka/ah/attachments durch das Element "TXLKAZVMLIST_Resp_SL_Type" definiert.&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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Complex Type ah:TXLZVMORG\_Req\_Type

|             |                                                 |
|-------------|-------------------------------------------------|
| Namespace   | http://vdv/ka/ah/2                              |
| Annotations | Typ: Dienstanfrage: "Liste der Organisationen." |
| Diagram     |                                                 |
| Type        | extension of tns:TX_BASE_Type                   |

|                 |                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXLZVMORG_Req_Type</li> </ul>                                                                                                                                                                                                                                                    |
| Used by         | Element ah:TXLZVMORGReq                                                                                                                                                                                                                                                                                                                              |
| Model           | txbase                                                                                                                                                                                                                                                                                                                                               |
| Children        | txbase                                                                                                                                                                                                                                                                                                                                               |
| Source          | <pre>&lt;xs:complexType name="TXLZVMORG_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Dienstanfrage: "Liste der Organisationen."&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="ion:TX_BASE_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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                           |

## Complex Type ah:TXRA\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Typ: Ruecknahme einer Applikation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXRA_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Used by         | Element ah:TXRA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Model           | txbase , ruecknahmeTransaktionApplikation , appNmTransaktionMAC , appVersion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Children        | appNmTransaktionMAC, appVersion, ruecknahmeTransaktionApplikation, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source          | <pre>&lt;xs:complexType name="TXRA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ruecknahme einer 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="ruecknahmeTransaktionApplikation" type="ion:Transaktionsdatensatz_Type"/&gt;         &lt;xs:element name="appNmTransaktionMAC" type="ion:appNmTransaktionMAC_Type"/&gt;         &lt;xs:element name="appVersion" type="ct:BitString8"/&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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Complex Type ah:TXAEA\_Type

|             |                                  |
|-------------|----------------------------------|
| Namespace   | http://vdv/ka/ah/2               |
| Annotations | Typ: Aenderung einer Applikation |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>ah:TXAEA_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Used by         | Element ah:TXAEA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Model           | txbase , appInstanzId , appGueltigkeitsende , appGueltigkeitsbeginn , appVersion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Children        | appGueltigkeitsbeginn, appGueltigkeitsende, appInstanzId, appVersion, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source          | <pre> &lt;xs:complexType name="TXAEA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Aenderung einer 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="appInstanzId" type="ion:NmApplikationInstanz_ID_Type"/&gt;         &lt;xs:element name="appGueltigkeitsende" type="ct:DateTimeCompact"/&gt;         &lt;xs:element name="appGueltigkeitsbeginn" type="ct:DateTimeCompact"/&gt;         &lt;xs:element name="appVersion" type="ct:BitString8"/&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/ah/2/XML-Schema_AH.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: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> </ul> |

|                 |                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>• tns:INT2</li> <li>• tns:ReferenceNumberTwo</li> </ul>                                                                                                                                                                                                |
| Facets          | maxInclusive 65535                                                                                                                                                                                                                                                                            |
|                 | minInclusive 0                                                                                                                                                                                                                                                                                |
| Used by         | Simple Type tns:Organisation_ID                                                                                                                                                                                                                                                               |
|                 | Elements ah:TXKNAWDM_Type/logTransaktionsOperator_ID, tns:EFMProdukt_ID_Type/produktNummer, tns:Organisation_ID.organisationsNumber, tns:Organisation_Type/orgId, tns:SymSchlüssel_ID_Type/schlüsselInhaber_ID, tns:Terminal_ID_Type/terminalNumber                                           |
| 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:INT2

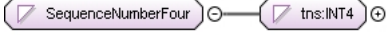
|                 |                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:ReferenceNumberTwo, tns:SequenceNumberTwo                                                                                                                                                                                                                                                                                                                                       |
| 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: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 tns:AHErrorCode, tns:Abrechnungsverfahren_CODE_Type, tns:AuftragsTyp_CODE, tns:Bezahlart_CODE_Type, tns:CommonServiceResultCode, tns:KommunikationsParterRolle, tns:N-mTransaktionsTyp_CODE, tns:OrtsTyp_CODE_Type, tns:ReferenceNumberOne, tns:SequenceNumberOne, tns:StatusCode, tns:TerminalTyp_CODE_Type                    |
|             | Elements 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:SymSchlüssel_ID_Type/schlüsselNummer, tns:SymSchlüssel_ID_Type/schlüsselVersion, 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;</pre>                                                                                                                                  |

|                 |                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&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: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 ah:TXSANFS_Type/samSequenznummer, tns:IONTransaktion_ID_Type/transSequenznummer                                                                                                                                                                                                                                                 |              |            |              |   |
| 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                                                                                                                                                                                                           |              |            |              |   |

## Simple Type tns:INT4

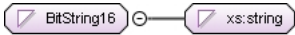
|                 |                                                                                                                                                                                                                                                                                                                                                                                                       |              |                                                                                   |              |                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|--------------|-------------------------------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                          |              |                                                                                   |              |                                           |
| Annotations     | Integer der den positiven Zahlenraum von vier Bytes umfasst                                                                                                                                                                                                                                                                                                                                           |              |                                                                                   |              |                                           |
| Diagram         |                                                                                                                                                                                                                                                                                                                    |              |                                                                                   |              |                                           |
| Type            | restriction of xs:unsignedInt                                                                                                                                                                                                                                                                                                                                                                         |              |                                                                                   |              |                                           |
| Facets          | <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         | <table> <tr> <td>Simple Types</td><td>tns:ReferenceNumberFour, tns:SequenceNumberFour, tns:SperrlistenZyklusNummer_Type</td></tr> <tr> <td>Element</td><td>tns:OrgIDRolleRoute_Type/interfaceVersion</td></tr> </table>                                                                                                                                                                               | Simple Types | tns:ReferenceNumberFour, tns:SequenceNumberFour, tns:SperrlistenZyklusNummer_Type | Element      | tns:OrgIDRolleRoute_Type/interfaceVersion |
| Simple Types    | tns:ReferenceNumberFour, tns:SequenceNumberFour, tns:SperrlistenZyklusNummer_Type                                                                                                                                                                                                                                                                                                                     |              |                                                                                   |              |                                           |
| Element         | tns:OrgIDRolleRoute_Type/interfaceVersion                                                                                                                                                                                                                                                                                                                                                             |              |                                                                                   |              |                                           |
| 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;     &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:DateTime

|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/types/2                                                        |
| Annotations | Datum mit Uhrzeit (nutzt den Standard)                                              |
| Diagram     |  |

|                 |                                                                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | xs:dateTime                                                                                                                                                                                                                                                       |
| Used by         | Elements<br>ah:TXLKAORG_SL_DATA_Type/ErstellungsDatum, ah:TXLZVMORG_SL_DATA_Type/ErstellungsDatum, tns:ION_TX_HEADER_Type/transTransaktionsZeitpunkt                                                                                                              |
| 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: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]<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]         </td></tr> </table>                                                                                                                                                                                                                                            | 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] |
| 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]                                                                                                                                                                                                                                                                                                                                                                                             |        |    |         |                                                                                              |
| Used by         | Element<br>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;/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                                                                                                                                                                                                                                                                                                                                                            |        |    |         |                                                                                              |

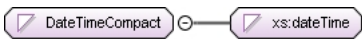
## Simple Type tns:ReferenceNumberThree

|                 |                                                                                                                                                                                                                                                                                                 |              |                                                             |              |                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------|--------------|-----------------|
| 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          | <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         | <table> <tr> <td>Elements</td><td>ah:TXSANFS_Type/samSperrkandidat, tns:Ort_ID_Type/ortNummer</td></tr> <tr> <td>Simple Type</td><td>tns:SAM_ID_Type</td></tr> </table>                                                                                                                         | Elements     | ah:TXSANFS_Type/samSperrkandidat, tns:Ort_ID_Type/ortNummer | Simple Type  | tns:SAM_ID_Type |
| Elements        | ah:TXSANFS_Type/samSperrkandidat, 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:INT3

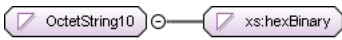
|                 |                                                                                                                                                                                                                                                                                                                                                                                                     |              |          |              |   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                        |              |          |              |   |
| Annotations     | Integer der den positiven Zahlenraum von drei Bytes umfasst                                                                                                                                                                                                                                                                                                                                         |              |          |              |   |
| Diagram         |                                                                                                                                                                                                                                                                                                                    |              |          |              |   |
| Type            | restriction of xs:unsignedInt                                                                                                                                                                                                                                                                                                                                                                       |              |          |              |   |
| Facets          | <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         | 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:DateTimeCompact

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                     |              |                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|--------------|---------------------|
| Namespace       | http://vdv/ka/common/types/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                     |              |                     |
| Annotations     | Datum mit Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der Wertebereich eingeschaenkt, 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 Zeitzonen) um unguelte Werte bei Abschneiden einer Zeitzoneninformation zu vermeiden!                                                                                                                                                                                                                                                                                                                                                                     |              |                     |              |                     |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                     |              |                     |
| Type            | restriction of xs:dateTime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                     |              |                     |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                     |              |                     |
| Used by         | Elements<br>ah:TXAEA_Type/appGueltigkeitsbeginn, ah:TXAEA_Type/appGueltigkeitsende, ah:TXKNAWD-M_Type/logTransaktionsZeitpunkt, tns:TX_APP_Type/appGueltigkeitsbeginn, tns:TX_APP_Type/appGueltigkeitsende, tns:TX_BER_Type/berGueltigkeitsbeginn, tns:TX_BER_Type/berGueltigkeitsende                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                     |              |                     |
| 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 eingeschaenkt, 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 Zeitzonen) um unguelte Werte bei Abschneiden einer Zeitzoneninformation zu vermeiden!&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &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:OctetString10

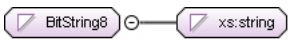
|           |                              |
|-----------|------------------------------|
| Namespace | http://vdv/ka/common/types/2 |
|-----------|------------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | Hexstring mit einer maximalen Laenge von 10 Byte (20 Zeichen)                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                                       |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                            |
| Facets          | length 10                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Elements ah:TXAA_Type/nmMedium_ID.nutzermediumNummer, ah:TXKNAWDM_Type/transMediennummer, 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:ReferenceNumberFour

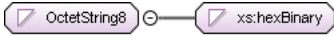
|                 |                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>minInclusive 0                                                                                                                                                                                                                                                      |
| Used by         | Elements tns:Berechtigung_ID_Type/berechtigungNummer, tns:NmApplikationInstanz_ID_Type/NmAppInstanznummer                                                                                                                                                                                      |
| 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:BitString8

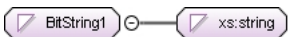
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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      | length 8<br>pattern [0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]                                                                                                                                                                                                                                                                                                                                                                    |
| Used by     | Elements ah:TXAEA_Type/appVersion, ah:TXRA_Type/appVersion, tns:TX_APP_Type/appVersion                                                                                                                                                                                                                                                                                                                                          |
| 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;/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]{8}" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |

|                 |                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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: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;/   &lt;/xs:annotation&gt;   &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:BitString1

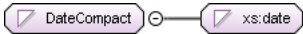
|                 |                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>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: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: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:simpleType&gt; </pre> |

|                 |                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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:DateCompact

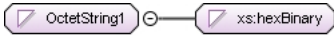
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |            |              |            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|------------|
| 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

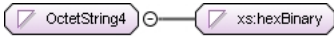
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |   |         |                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---------|------------------------------------------|
| 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:OctetString1

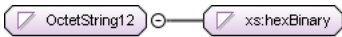
|             |                                                             |
|-------------|-------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/types/2                                |
| Annotations | Hexstring mit einer maximalen Laenge von 1 Byte (2 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                                                                                                                                                                                                                                     |

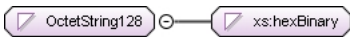
### Simple Type tns:OctetString4

|                 |                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                           |
| 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:OctetString12

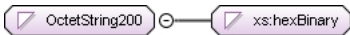
|                 |                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 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;/   &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

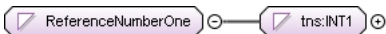
|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/types/2                                                    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

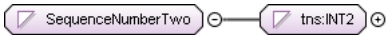
|                 |                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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          | maxInclusive 255<br>minInclusive 0                                                                                                                                                                                                                                                            |
| 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: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 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                                                                                                                                                                                                                                                                                                                                      |              |       |              |   |
| 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 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 |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|

## 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;   &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> |



|                 |                                                                                                                                                                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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;</pre>                                                         |

|                 |                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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> <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 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:TXSANFASYMK

|                |                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/2                                                                                                        |
| Annotations    | Element: Sperranforderung fuer einen asymmetrischen Schluesel                                                              |
| 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;</pre>                    |

|                 |                                                                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&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:TXSAANFSYMK_Type</li> <li>tns:TXSAANFSYMK_Type</li> </ul>                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                |
| Model           | txbase , sperrSperrgrund , keySperrkandidatsym                                                                                                                                                                                                                                  |
| Children        | keySperrkandidatsym, sperrSperrgrund, txbase                                                                                                                                                                                                                                    |
| Instance        | <pre>&lt;tns:TXSAANFSYMK 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:TXSAANFSYMK&gt;</pre>                          |
| Source          | <pre>&lt;xs:element name="TXSAANFSYMK" type="tns:TXSAANFSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperraufhebungsanforderung fuer einen symmetrischen 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: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 <ul style="list-style-type: none"> <li>tns:TX_SANF_Type <ul style="list-style-type: none"> <li>tns:TXSANFASYMK_Type <ul style="list-style-type: none"> <li>tns:TXSAANFASYMK_Type</li> </ul> </li> </ul> </li> </ul> </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 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:TXSFREIMITSYMK

|                |                                                                                                                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <ul style="list-style-type: none"> <li>tns:TX_SMIT_Type <ul style="list-style-type: none"> <li>tns:TXSFREIMITSYMK_Type</li> </ul> </li> </ul> </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 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         | <pre> classDiagram     class tnsTXSFREIMITASYMK_Type {         txbase         sperrAnforderungBezug         sperrEntscheidung         keySperrkandidatsym     }     class tnsTX_BASE_Type {         txbase     }     class tnsTX_SMIT_Type {         sperrAnforderungBezug         sperrEntscheidung     }     tnsTXSFREIMITASYMK_Type -- &gt; tnsTX_BASE_Type     tnsTXSFREIMITASYMK_Type -- &gt; tnsTX_SMIT_Type   </pre> |
| 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 Schluesel |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         | <p>The diagram illustrates the structure of the <code>tns:TXSMITSYMK_Type</code>. It is an extension base for <code>tns:TX_SMIT_Type</code>, which in turn extends <code>tns:TX_BASE_Type</code>. The <code>tns:TXSMITSYMK_Type</code> contains three child elements: <code>txbase</code>, <code>sperrAnforderungBezug</code>, and <code>sperrEntscheidung</code>. The <code>txbase</code> element is further extended by <code>keySperrkandidatsym</code>.</p> |
| Type            | <code>tns:TXSMITSYMK_Type</code>                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Type hierarchy  | <ul style="list-style-type: none"> <li><code>tns:TX_BASE_Type</code></li> <li><code>tns:TX_SMIT_Type</code></li> <li><code>tns:TXSMITSYMK_Type</code></li> </ul>                                                                                                                                                                                                                                                                                                |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Model           | <code>txbase</code> , <code>sperrAnforderungBezug</code> , <code>sperrEntscheidung</code> , <code>keySperrkandidatsym</code>                                                                                                                                                                                                                                                                                                                                    |
| Children        | <code>keySperrkandidatsym</code> , <code>sperrAnforderungBezug</code> , <code>sperrEntscheidung</code> , <code>txbase</code>                                                                                                                                                                                                                                                                                                                                    |
| 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      | <code>http://vdv/ka/ion/2</code>                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations    | Element: Sperrmitteilung asymmetrischer Schluessel                                                                                                                                                                                                                                                                                                                                                                                                                |
| Diagram        | <p>The diagram illustrates the structure of the <code>tns:TXSMITASYMK_Type</code>. It is an extension base for <code>tns:TX_SMIT_Type</code>, which in turn extends <code>tns:TX_BASE_Type</code>. The <code>tns:TXSMITASYMK_Type</code> contains three child elements: <code>txbase</code>, <code>sperrAnforderungBezug</code>, and <code>sperrEntscheidung</code>. The <code>txbase</code> element is further extended by <code>keySperrkandidatsym</code>.</p> |
| Type           | <code>tns:TXSMITASYMK_Type</code>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type hierarchy | <ul style="list-style-type: none"> <li><code>tns:TX_BASE_Type</code></li> <li><code>tns:TX_SMIT_Type</code></li> <li><code>tns:TXSMITASYMK_Type</code></li> </ul>                                                                                                                                                                                                                                                                                                 |
| Properties     | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model          | <code>txbase</code> , <code>sperrAnforderungBezug</code> , <code>sperrEntscheidung</code> , <code>keySperrkandidatsym</code>                                                                                                                                                                                                                                                                                                                                      |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Annotations     | Element: Dienstanfrage "Sperrnachweis Applikation"                                                                                                                                                                                                                                                                                                                                                                                            |
| Diagram         | <pre> classDiagram     class tnsTXSNAWA_Req_Type {         txbase         zyklusNummer         sperrrtransaktionApplikation         appNmTransaktionMAC     }     class tnsTX_BASE_Type {         samSperrkandidat         orgSperrkandidat     }     tnsTXSNAWA_Req_Type -- tnsTX_BASE_Type : txbase     </pre>                                                                                                                              |
| 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 , sperrrtransaktionApplikation , appNmTransaktionMAC                                                                                                                                                                                                                                                                                                                            |
| Children        | appNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrrtransaktionApplikation, 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;sperrrtransaktionApplikation&gt;{1,1}&lt;/sperrrtransaktionApplikation&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                                                                                                                                                                                                                                                                                                                                  |

|             |                                                     |
|-------------|-----------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                |

## Complex Type(s)

### 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 ah:TXSANFO_Type, ah:TXSANFS_Type, tns:TXSANFASYMK_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;</pre> |

|                 |                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>         &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\_BASE\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Basisdaten fuer alle Transaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Used by         | Complex Types<br>ah:TXAA_Type, ah:TXAEA_Type, ah:TXKNAWDM_Type, ah:TXLKAORG_Req_Type, ah:TXLZVMORG_Req_Type, ah:TXRA_Type, tns:TXAS_Type, tns:TXDEABER_Req_Type, tns:TXSNAWA_Req_Type, tns:TXSNAWB_Req_Type, tns:TX_RET_Type, tns:TX_SANF_Type, tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                     |
| 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:ION\_TX\_HEADER\_Type

|             |                                                                                                                                                                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                   |
| Annotations | Routing relevante Daten des Nachrichtenkopfs von VDV KA Transaktionen                                                                                                                                                                                                                 |
| Diagram     |                                                                                                                                                                                                                                                                                       |
| Used by     | Element<br>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;/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 Dienstaufruers.         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;     &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:IONTransaktion\_ID\_Type

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Annotations | <p>Typ: ID fuer Transaktionen, die ueber das ION (Interoperables Netzwerk) durchgefuehrt werden. Aufgabe dieses Elements ist es, eine Korrelation zwischen der Dienstanwort und der ursprunglichen Dienstanfrage herzustellen. transSequenznummer wird initial vom Dienstaufruer vergeben und wird unveraendert fuer die Dauer der Kommunikation genutzt.</p>                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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;   &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 Dienstanwort     und der ursprunglichen Dienstanfrage herzustellen. transSequenznummer wird initial vom     Dienstaufruer vergeben und wird unveraendert fuer die Dauer der Kommunikation genutzt.&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:sequence&gt; &lt;/xs:complexType&gt; </pre> |

|                 |                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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:Terminal\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Annotations     | Typ: Datenstruktur Terminal_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Used by         | Element ah:TXKNAWDM_Type/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:Ort\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Annotations     | Typ: Datenstruktur Ort_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Used by         | Element ah:TXKNAWDM_Type/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:NmApplikationInstanz\_ID\_Type

|             |                                                        |
|-------------|--------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                    |
| Annotations | Typ: ID einer Applikationsinstanz auf dem Nutzermedium |
| Diagram     |                                                        |

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|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Used by         | Elements<br>ah:TXAEA_Type/appInstanzId, tns:TXSMITA_Type/appSperrkandidat, tns:TX_APP_Type/appInstanz_ID                                                                                                                                                                                                                                                                                                                                                |
| 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:Transaktionsdatensatz\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                            |
| Annotations     | Typ: Transaktionsdatensatz                                                                                                                                                                                                                                                                                                                     |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                |
| Used by         | Elements<br>ah:TXAA_Type/ausgabeTransaktionApplikation, ah:TXRA_Type/ruecknahmeTransaktionApplikation, tns:TXSNAWA_Req_Type/sperrtransaktionApplikation, tns:TXSNAWB_Req_Type/sperrtransaktion-Berechtigung                                                                                                                                    |
| 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:appNmTransaktionMAC\_Type

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Annotations | Typ: MAC-Sicherung fuer Applikations-Transaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Used by     | Elements<br>ah:TXAA_Type/appNmTransaktionMAC, ah:TXRA_Type/appNmTransaktionMAC, tns:TXSNAWA_Req_Type/appNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Model       | appMAC_AH , appMAC_KVP , appMAC_AH_Schluesssel_ID , appMAC_KVP_Schluesssel_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Children    | appMAC_AH, appMAC_AH_Schluesssel_ID, appMAC_KVP, appMAC_KVP_Schluesssel_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> |

|                 |                                                                                                              |
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| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
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## Complex Type tns:SymSchluessel\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Annotations     | Typ: Schluessel ID                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Elements<br>tns:TXSANFSYMK_Type/keySperrkandidatsym, tns:TXSFREIMITSYMK_Type/keySperrkandidatsym, tns:TXSMITSYMK_Type/keySperrkandidatsym, 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: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        | Complex Types<br>ah:TX_LKAORG_Type, ah:TX_LZVMORG_Type, tns:TXA_Type, tns:TXB_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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> |

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|                 | <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/ion/2/XML-Schema_ION.xsd |

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                 |
| Annotations     | Typ: ID einer Berechtigung                                                                                                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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;   &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:EFMPProdukt\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Annotations     | Typ: Datenstruktur EFMPProdukt_ID, bestehend aus Produktverantwortlichen und Produktnummer (zusammen eindeutig)                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Used by         | Element tns:TXDEABER_Req_Type/prodProdukt_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Model           | produktNummer{0,1} , organisationID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Children        | organisationID, produktNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:complexType name="EFMPProdukt_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Datenstruktur EFMPProdukt_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:ASymSchluessel\_ID\_Type

|             |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                         |
| Annotations | Type: Identifizierungsmerkmal, das den Schluessel eindeutig bestimmt.                                                                                                                                                                                                                                                                                                                                                       |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Used by     | Elements tns:TXSANFASYMK_Type/keySperrkandidatasy, tns:TXSFREIMITASYMK_Type/keySperrkandidatasy, tns:TXSMITASYMK_Type/keySperrkandidatasy                                                                                                                                                                                                                                                                                   |
| 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:ReferenceNumberTwo" minOccurs="0" maxOccurs="1"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |

|                 |                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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:berNmTransaktionMAC\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Typ: MAC-Sicherung fuer Berechtigungs-Transaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Used by         | Element tns:TXSNAWB_Req_Type/berNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluessel_ID , berMAC_KVP_Schluessel_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Children        | berMAC_KVP, berMAC_KVP_Schluessel_ID, berMAC_PV, berMAC_PV_Schluessel_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_Schluessel_ID" type="tns:SymSchluessel_ID_Type"/&gt;     &lt;xs:element name="berMAC_KVP_Schluessel_ID" type="tns:SymSchluessel_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: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 tns:TXSFREIMITASYMK_Type, tns:TXSFREIMITSYMK_Type, tns:TXSMITASYMK_Type, tns:TXSMITA_Type, tns:TXSMITSYMK_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> |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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             <ul style="list-style-type: none"> <li>tns:TX_RET_Type                 <ul style="list-style-type: none"> <li>tns:TXA_Type</li> </ul> </li> </ul> </li> </ul> |
| Used by        | Elements tns:TXA, tns:TXAResponse                                                                                                                                                                                                 |
| Model          | txbase , transOrigID , transOrigSignatur {0,1} , transOriginalZeit , transAblehnungGrund                                                                                                                                          |
| Children       | transAblehnungGrund, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                    |
| Source         | <pre> &lt;xs:complexType name="TXA_Type"&gt; </pre>                                                                                                                                                                               |

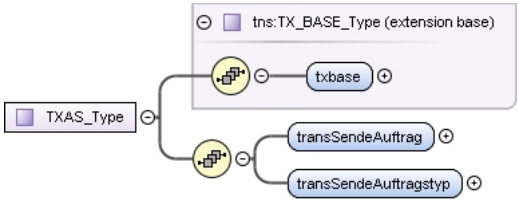
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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

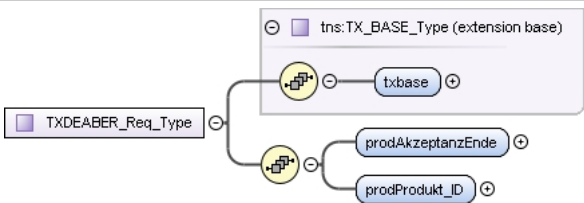
|                 |                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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</li> <li>tns:TX_RET_Type</li> <li>tns:TXB_Type</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         |  The diagram shows a box for 'TXAS_Type' with an extension base icon. It is connected to a larger box labeled 'tns:TX_BASE_Type (extension base)'. Inside this base box, there are three elements: 'txbase', 'transSendeAuftrag', and 'transSendeAuftragstyp'. 'txbase' is connected to the base box, and 'transSendeAuftrag' and 'transSendeAuftragstyp' are connected to each other and to the base box.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAS_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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        |  The diagram shows a box for 'TXDEABER_Req_Type' with an extension base icon. It is connected to a larger box labeled 'tns:TX_BASE_Type (extension base)'. Inside this base box, there are three elements: 'txbase', 'prodAkzeptanzEnde', and 'prodProdukt_ID'. 'txbase' is connected to the base box, and 'prodAkzeptanzEnde' and 'prodProdukt_ID' are connected to each other and to the base box.                                                                                                                                 |
| 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:EFMProdukt_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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         | <table> <tr> <td>Complex Type</td><td>tns:TXSFREIMITA_Type</td></tr> <tr> <td>Element</td><td>tns:TXSMITA</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                           | Complex Type | tns:TXSFREIMITA_Type | Element | tns:TXSMITA |
| Complex Type    | tns:TXSFREIMITA_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                      |         |             |
| 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;     &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: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:TXSFREIMITA\_Type

|             |                                          |
|-------------|------------------------------------------|
| Namespace   | http://vdv/ka/ion/2                      |
| Annotations | Typ: Sperrfreigabemitteilung Applikation |
| Diagram     |                                          |

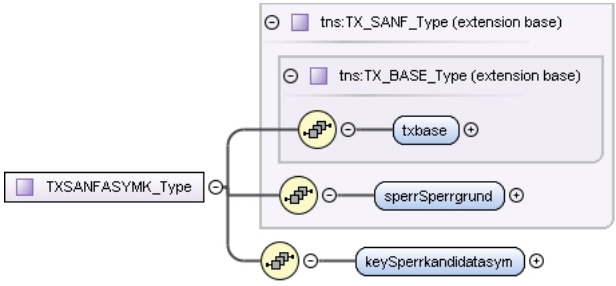
|                 |                                                                                                                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

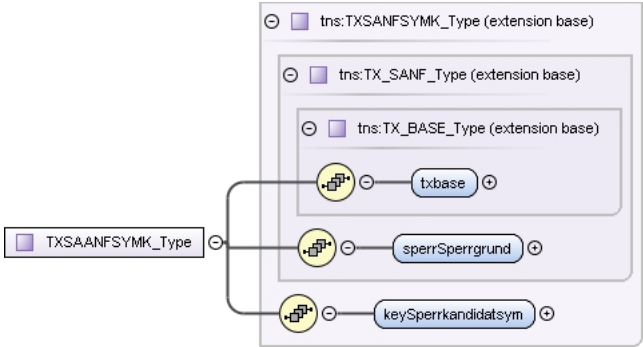
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>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         | <table border="1"> <tr> <td>Complex Type</td> <td>tns:TXSAANFASYMK_Type</td> </tr> <tr> <td>Element</td> <td>tns:TXSANFASYMK</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                       | Complex Type | tns:TXSAANFASYMK_Type | Element | tns:TXSANFASYMK |
| Complex Type    | tns:TXSAANFASYMK_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                       |         |                 |
| Element         | tns:TXSANFASYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                       |         |                 |
| Model           | txbase , sperrSperrgrund , keySperrkandidatasy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                       |         |                 |
| Children        | keySperrkandidatasy, 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="keySperrkandidatasy" 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        | <table border="1"> <tr> <td>Element</td> <td>tns:TXSAANFSYMK</td> </tr> </table>                                                                                | Element | tns:TXSAANFSYMK |
| Element        | tns:TXSAANFSYMK                                                                                                                                                 |         |                 |
| Model          | txbase , sperrSperrgrund , keySperrkandidatasy                                                                                                                  |         |                 |
| Children       | keySperrkandidatasy, sperrSperrgrund, txbase                                                                                                                    |         |                 |
| Source         | <pre> &lt;xs:complexType name="TXSAANFSYMK_Type"&gt; </pre>                                                                                                     |         |                 |

|                 |                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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: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: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 Schluesssel&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:SymSchluesssel_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 Schluesssel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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 , keySperrkandidatasym                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children        | keySperrkandidatasym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source          | <pre>&lt;xs:complexType name="TXSFREIMITASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung asymmetrischer Schluesssel&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="keySperrkandidatasym" type="tns:ASymSchluesssel_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;   &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; </pre>                                        |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:documentation&gt;Typ: Sperrmitteilung asymmetrischer Schuessel&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;xs:complexType&gt;   &lt;xs:extension base="tns:TX_SMIT_Type"&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="keySperrkandidatasym" type="tns:ASymSchluessel_ID_Type"/&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: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 , sperrtransaktionApplikation , appNmTransaktionMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children        | appNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrtransaktionApplikation, 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="sperrtransaktionApplikation" 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 loca-<br>tion | 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: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<br>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:TerminalTyp\_CODE\_Type

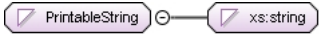
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |     |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| 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<br>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:OrtsTyp\_CODE\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |     |              |   |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| Namespace      | http://vdv/ka/ion/2                                                                                                                                                                                                                                                                                                                                                                                                                      |              |     |              |   |
| Annotations    | <p>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.</p> |              |     |              |   |
| Diagram        | <pre>graph LR     OrtsTyp_CODE_Type[OrtsTyp_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:OrtsTyp_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<br>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 loca-<br>tion | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Simple Type tns:PrintableString

|                      |                                                                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace            | http://vdv/ka/ion/2                                                                                                                                                                       |
| Diagram              |                                                                                                          |
| Type                 | restriction of xs:string                                                                                                                                                                  |
| Facets               | pattern [ -p]*                                                                                                                                                                            |
| Used by              | Elements<br>tns:Kundenroute_Type/bezeichnung, tns:Kundenroute_Type/kurzBezeichnung, 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 loca-<br>tion | 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        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                                                                                                   |
| 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:CommonServiceResultCode</li></ul></li></ul></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;/   &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;/   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |     |                                                                                                   |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>         &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: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             <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> |                                                      |
| Facets         | 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 | B0                                                                                   |
|        | 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 | <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:restriction&gt; &lt;/xs:simpleType&gt; </pre> |    |                                                                                      |

```

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  </xs:annotation>
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(POB/PEB/WEB)</xs:documentation>
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    <xs:documentation>Kontrolle nach CI; BIBO oder Entwertung</xs:documentation>
  </xs:annotation>
</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>
<xs:enumeration value="37">
  <xs:annotation>
    <xs:documentation>Ausgabe EFS ueber Aktionsliste</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="38">

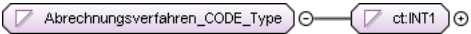
```

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:annotation&gt;   &lt;xs:documentation&gt;Entsperrtransaktion EFS ueber Aktionsliste&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="39"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Rückgabetransaktion EFS ueber Aktionsliste&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: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           <ul style="list-style-type: none"> <li>tns:INT1               <ul style="list-style-type: none"> <li>tns:AuftragsTyp_CODE</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: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<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>                                                                                                                            |                                          |              |
| Facets         | maxInclusive                                                                                                                                                                                                                                                                                                                        | 255                                      |              |
|                | minInclusive                                                                                                                                                                                                                                                                                                                        | 0                                        |              |
|                | enumeration                                                                                                                                                                                                                                                                                                                         | 0                                        | Keine Angabe |
|                | enumeration                                                                                                                                                                                                                                                                                                                         | 1                                        | Pre-Paid     |
|                | enumeration                                                                                                                                                                                                                                                                                                                         | 2                                        | Post-Paid    |
|                | enumeration                                                                                                                                                                                                                                                                                                                         | 3                                        | Trip-Paid    |
| Used by        | Element                                                                                                                                                                                                                                                                                                                             | 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: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;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). 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> graph LR     A[Bezahlart_CODE_Type] -- restriction --&gt; B[ct:INT1] </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |     |              |   |
| Type            | tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |     |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Bezahlart_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_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 BezahlartEnum_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     A[SAM_ID_Type] -- restriction --&gt; B[ct:ReferenceNumberThree] </pre> |
| Type        | tns:ReferenceNumberThree                                                                  |

|                 |                                                                                                                                                                                                                                                                                                                  |              |          |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3 <ul style="list-style-type: none"> <li>tns:ReferenceNumberThree</li> <li>tns:SAM_ID_Type</li> </ul> </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:TXSNAWA_Req_Type/samSperrkandidat, tns:TXSNAWB_Req_Type/samSperrkandidat                                                                                                                                                                                                                            |              |          |              |   |
| Source          | <pre>&lt;xs:simpleType name="SAM_ID_Type"&gt;   &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:SperrlistenZyklusNummer\_Type

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |            |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
|                 | <ul style="list-style-type: none"> <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |            |              |   |

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 | <p>KA VX Nachricht</p> <p>Eine VX Nachricht wird bei einer asynchronen Anwendungskommunikation als Bestaetigung einer Dienstanfrage gesendet.</p> <p>Durch die VX Nachricht wird dem anfragenden System der Status der iniitalen Datenuebermittlung mitgeteilt.</p>                                                                                                                                                             |
| 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;</pre> |

|                 |                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;/xs:element&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(s)

### Simple Type tns:Organisation\_ID

|                 |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/2                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                           |
| Annotations     | Type: Eindeutiger Identifier einer Organisation                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                           |
| 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 <ul style="list-style-type: none"> <li>tns:Organisation_ID</li> </ul> </li> </ul> </li> </ul> </li> </ul>               |                                                                                                                                                                                                                                                                                                                                                                                           |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                | 65535                                                                                                                                                                                                                                                                                                                                                                                     |
|                 | minInclusive                                                                                                                                                                                                                                                                                | 0                                                                                                                                                                                                                                                                                                                                                                                         |
| Used by         | Elements                                                                                                                                                                                                                                                                                    | tns:Berechtigung_ID_Type/kvp_ID, tns:EFMProdukt_ID_Type/organisationID, tns:IONTransaktion_ID_Type/transSender_ID, tns:ION_TX_HEADER_Type/transEmpfaenger_ID, tns:NmApplikationInstanz_ID_Type/kvp_ID, tns:OrgIDRolleRoute_Type/orgID, tns:Ort_ID_Type/ortDomaene_ID, tns:TXSNAWA_Req_Type/orgSperrkandidat, tns:TXSNAWB_Req_Type/orgSperrkandidat, 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> |                                                                                                                                                                                                                                                                                                                                                                                           |
| 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, tns:Kundenrolle_Type/rollencode, tns:OrgIDRolleRoute_Type/rollencode |
| Source         | <pre>&lt;xs:simpleType name="KommunikationsParterRolle"&gt;   &lt;xs:annotation&gt;</pre>                                                                                                                     |                                                                                                                                                                |

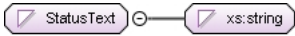
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &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:/C:/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         | 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.                                                                    |

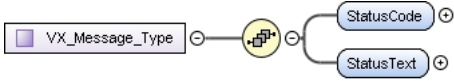
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |                                                                                                                            |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|                      | 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;         &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 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 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;/xs:documentation&gt;   &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/ah/types/2"

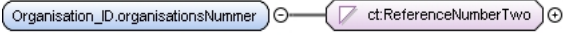
## Schema(s)

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

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/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/ah/types/2/XML-Schema_AH_Types.xsd |

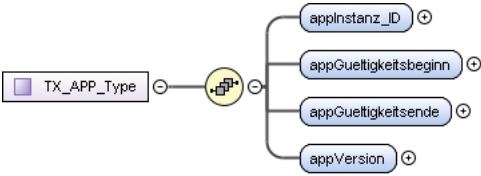
## Element(s)

### Element `tns:Organisation_ID.organisationsNumber`

|                 |                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/types/2                                                                                                                                                                                                                                                     |
| Annotations     | Element: Organisation_ID.organisationsNumber                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                         |
| Used by         | Complex Types ah:TXSAANFO_Type, ah:TXSANFO_Type                                                                                                                                                                                                                              |
| Source          | <pre>&lt;xs:element name="Organisation_ID.organisationsNumber" type="ct:ReferenceNumberTwo"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Organisation_ID.organisationsNumber&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/ah/types/2/XML-Schema_AH_Types.xsd                                                                                                                                                       |

## Complex Type(s)

### Complex Type `tns:TX_APP_Type`

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/types/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Annotations     | Typ: Basisdaten fuer Applikationstransaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Used by         | Element ah:TXAA_Type/tx_app                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Model           | appInstanz_ID , appGueltigkeitsbeginn , appGueltigkeitsende , appVersion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children        | appGueltigkeitsbeginn, appGueltigkeitsende, appInstanz_ID, appVersion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source          | <pre>&lt;xs:complexType name="TX_APP_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Applikationstransaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/&gt;     &lt;xs:element name="appGueltigkeitsbeginn" type="ct:DateTimeCompact"/&gt;     &lt;xs:element name="appGueltigkeitsende" type="ct:DateTimeCompact"/&gt;     &lt;xs:element name="appVersion" type="ct:BitString8"/&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/ah/types/2/XML-Schema_AH_Types.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### Complex Type `tns:Kundenroute_Type`

|             |                                                                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ah/types/2                                                                                                                               |
| Annotations | Typ: Kundenroute alle Informationen fuer eine Vermittlungsstelle, u.a. die im AHS der Org und Rolle zugewiesene URL und einen Ansprechpartner (E-Mail) |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Model           | bezeichnung , kurzBezeichnung , email , orgIDRolleRoute+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Children        | bezeichnung, email, kurzBezeichnung, orgIDRolleRoute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Source          | <pre> &lt;xs:complexType name="Kundenroute_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Kundenroute alle Informationen fuer eine Vermittlungsstelle, u.a. die im AHS der Org und Rolle zugewiesene URL und einen Ansprechpartner (E-Mail)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="bezeichnung" type="ion:PrintableString"/&gt;     &lt;xs:element name="kurzBezeichnung" type="ion:PrintableString" nillable="true"/&gt;     &lt;xs:element name="email" type="tns:Email_Type" nillable="true"/&gt;     &lt;xs:element name="orgIDRolleRoute" type="tns:OrgIDRolleRoute_Type" minOccurs="1" maxOccurs="unbounded"/&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/ah/types/2/XML-Schema_AH_Types.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### Complex Type tns:OrgIDRolleRoute\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/types/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Annotations     | Typ: OrgIDRolleRoute beinhaltet die im AHS zu einem Kunde gespeicherte Service-Url zu einer OrgId und Rolle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Used by         | Element tns:Kundenroute_Type/orgIDRolleRoute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Model           | orgID , rollencode , serviceUrl , interfaceVersion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Children        | interfaceVersion, orgID, rollencode, serviceUrl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source          | <pre> &lt;xs:complexType name="OrgIDRolleRoute_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: OrgIDRolleRoute beinhaltet die im AHS zu einem Kunde gespeicherte Service-Url zu einer OrgId und Rolle&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="orgID" type="ka:Organisation_ID"/&gt;     &lt;xs:element name="rollencode" type="ka:KommunikationsPartnerRolle"/&gt;     &lt;xs:element name="serviceUrl" type="xs:anyURI" nillable="true"/&gt;     &lt;xs:element name="interfaceVersion" type="ct:INT4" nillable="true"/&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/ah/types/2/XML-Schema_AH_Types.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### Complex Type tns:Kundenrolle\_Type

|             |                                                                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ah/types/2                                                                                                                     |
| Annotations | Typ: Kundenrolle beinhaltet nur die im AHS zugewiesene Rolle. Die Attribute IP-Adresse und Port sind obsolete und beinhalten konstante werte |
| Diagram     |                                                                                                                                              |
| Used by     | Element tns:Organisation_Type/kommunikationsPartnerRoute                                                                                     |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | rollencode , ip , port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children        | ip, port, rollencode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source          | <pre> &lt;xs:complexType name="Kundenrolle_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Kundenrolle beinhaltet nur die im AHS zugewiesene Rolle. Die Attribute IP-Adresse und Port sind obsolete und beinhalten konstante Werte&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="rollencode" type="ka:KommunikationsPartnerRolle"/&gt;     &lt;xs:element name="ip" type="tns:IP_Format"/&gt;     &lt;xs:element name="port" type="tns:Port_Format"/&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/ah/types/2/XML-Schema_AH_Types.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Complex Type tns:Organisation\_Type

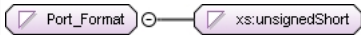
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/types/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Annotations     | Typ: Im AHS registrierte Organisation mit Bezeichnung, allen OrgIds und jeweiligen Rollen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Model           | bezeichnung , kurzbezeichnung , orgId , kommunikationsPartnerRoute+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children        | bezeichnung, kommunikationsPartnerRoute, kurzbezeichnung, orgId                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Source          | <pre> &lt;xs:complexType name="Organisation_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Im AHS registrierte Organisation mit Bezeichnung, allen OrgIds und jeweiligen Rollen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="bezeichnung" type="xs:string"/&gt;     &lt;xs:element name="kurzbezeichnung" type="xs:string" nillable="true"/&gt;     &lt;xs:element name="orgId" type="ct:ReferenceNumberTwo"/&gt;     &lt;xs:element name="kommunikationsPartnerRoute" type="tns:Kundenrolle_Type" minOccurs="1" maxOccurs="unbounded"/&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/ah/types/2/XML-Schema_AH_Types.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Simple Type(s)

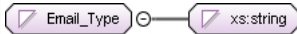
### Simple Type tns:IP\_Format

|                 |                                                                                                                                                                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ah/types/2                                                                                                                                                                                                                                                             |
| Diagram         |                                                                                                                                                                                                                                                                                      |
| Type            | restriction of xs:string                                                                                                                                                                                                                                                             |
| Facets          | <p>pattern</p> <pre> ((( [1-9]?[0-9] 1[0-9] [0-9] 2[0-4][0-9]  25[0-5])\.){3}([1-9]? [0-9] 1[0-9][0-9] 2[0-4] [0-9] 25[0-5]) </pre>                                                                                                                                                  |
| Used by         | Element tns:Kundenrolle_Type/ip                                                                                                                                                                                                                                                      |
| Source          | <pre> &lt;xs:simpleType name="IP_Format"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:pattern value="((( [1-9]?[0-9] 1[0-9][0-9] 2[0-4][0-9] 25[0-5])\.){3}([1-9]?[0-9] 1[0-9][0-9] 2[0-4][0-9] 25[0-5])")"/&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/ah/types/2/XML-Schema_AH_Types.xsd                                                                                                                                                               |

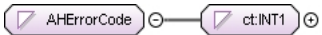
## Simple Type tns:Port\_Format

|                 |                                                                                                                                                                                                                                         |                           |  |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--|
| Namespace       | http://vdv/ka/ah/types/2                                                                                                                                                                                                                |                           |  |
| Diagram         |                                                                                                                                                        |                           |  |
| Type            | restriction of xs:unsignedShort                                                                                                                                                                                                         |                           |  |
| Facets          | maxInclusive                                                                                                                                                                                                                            | 65535                     |  |
|                 | minInclusive                                                                                                                                                                                                                            | 0                         |  |
| Used by         | Element                                                                                                                                                                                                                                 | tns:Kundenrolle_Type/port |  |
| Source          | <pre>&lt;xs:simpleType name="Port_Format"&gt;   &lt;xs:restriction base="xs:unsignedShort"&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/ah/types/2/XML-Schema_AH_Types.xsd                                                                                                                  |                           |  |

## Simple Type tns:Email\_Type

|                 |                                                                                                                                                                                             |                                                   |  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--|
| Namespace       | http://vdv/ka/ah/types/2                                                                                                                                                                    |                                                   |  |
| Diagram         |                                                                                                            |                                                   |  |
| Type            | restriction of xs:string                                                                                                                                                                    |                                                   |  |
| Facets          | pattern                                                                                                                                                                                     | \w+([-+.']\w+)*@\w+([-.\]\w+)*\.\w+([-.\]\w+)+)^* |  |
| Used by         | Element                                                                                                                                                                                     | tns:Kundenroute_Type/email                        |  |
| Source          | <xs:simpleType name="Email_Type"><br><xs:restriction base="xs:string"><br><xs:pattern value="\w+([-+.']\w+)*@\w+([-.\]\w+)*\.\w+([-.\]\w+)+)^*" /><br></xs:restriction><br></xs:simpleType> |                                                   |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd                                                                      |                                                   |  |

## Simple Type tns:AHErrorCode

|                |                                                                                                                                                                                                                         |     |                                                                                       |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ah/types/2                                                                                                                                                                                                |     |                                                                                       |
| Annotations    | Vom AH verwendete Fehlercodes.                                                                                                                                                                                          |     |                                                                                       |
| 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:AHErrorCode</li> </ul> </li> </ul> </li> </ul> |     |                                                                                       |
| Facets         | maxInclusive                                                                                                                                                                                                            | 255 |                                                                                       |
|                | minInclusive                                                                                                                                                                                                            | 0   |                                                                                       |
|                | enumeration                                                                                                                                                                                                             | 100 | Empfaengerrolle ist unbekannt                                                         |
|                | enumeration                                                                                                                                                                                                             | 101 | Empfaengerrolle ist ungleich AH                                                       |
|                | enumeration                                                                                                                                                                                                             | 102 | Senderrolle ist unbekannt                                                             |
|                | enumeration                                                                                                                                                                                                             | 103 | Senderrolle ist für diese Operation nicht berechtigt                                  |
|                | enumeration                                                                                                                                                                                                             | 104 | Organisations-ID des Senders ist im AH unbekannt                                      |
|                | enumeration                                                                                                                                                                                                             | 105 | Die Organisation des Senders ist im AH gesperrt                                       |
|                | enumeration                                                                                                                                                                                                             | 106 | Organisations-ID des Empfängers ist AH unbekannt                                      |
|                | enumeration                                                                                                                                                                                                             | 107 | Organisations-ID von Sender und Empfänger aus unterschiedlichen OrgID Bereichen/Level |

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                             |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| enumeration | 108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Aufruf der Schnittstelle ohne WS Security nur fuer Sender OrgId aus Level 2 |
| enumeration | 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sperranforderung mit gleichen Angaben ist bereits im System                 |
| enumeration | 111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sperraufhebungsanforderung mit gleichen Angaben ist bereits im System       |
| enumeration | 112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sperrmitteilung mit gleichen Angaben ist bereits im System                  |
| enumeration | 113                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sperraufhebungsmitteilung mit gleichen Angaben ist bereits im System        |
| enumeration | 115                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sperrkandidat Organisation ist AH unbekannt                                 |
| enumeration | 116                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sperrkandidat Inhaber des symmetrischen Schlüssels ist AH unbekannt         |
| enumeration | 117                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sperrkandidat Inhaber des asymmetrischen Schlüssels ist AH unbekannt        |
| enumeration | 118                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sperrkandidat Applikations-KVP ist AH unbekannt                             |
| enumeration | 119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Ausgabe Applikations-KVP ist AH unbekannt                                   |
| enumeration | 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Der Sperrgrund ist AH unbekannt                                             |
| enumeration | 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Die Sperrentscheidung ist AH unbekannt                                      |
| enumeration | 122                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Applikationsruecknahme: Die Transaktionsdaten sind unvollstaendig           |
| enumeration | 124                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Ausgabe Applikation: Applikation bereits ausgegeben                         |
| enumeration | 125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Keine Sperranforderung fuer Sperrmitteilung gefunden                        |
| enumeration | 126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Keine Sperraufhebungsanforderung fuer Sperraufhebungsmitteilung gefunden    |
| enumeration | 127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Aenderung Applikation: Applikation ist dem AH nicht bekannt                 |
| enumeration | 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Entferne Applikation: Applikation ist dem AH nicht bekannt                  |
| enumeration | 129                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Guelteigkeit Applikation: Applikation ist dem AH nicht bekannt              |
| enumeration | 130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Transaktion kann keinem Objekt zugeordnet werden                            |
| enumeration | 131                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Transaktion bereits verarbeitet                                             |
| enumeration | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Die Daten der Liste konnte nicht extrahiert werden                          |
| enumeration | 61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Liste konnte nicht eingelesen werden (Formatfehler)                         |
| enumeration | 62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Liste enthielt fehlerhafte Daten (Semantikfehler)                           |
| enumeration | 63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sonstige Probleme bei der Verarbeitung der Liste                            |
| enumeration | 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Technischer Fehler                                                          |
| Source      | <pre> &lt;xs:simpleType name="AHErrorCode"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Vom AH verwendete Fehlercodes.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;!-- Allgemeine Pruefungen--&gt;     &lt;xs:enumeration value="100"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Empfaengerrolle ist unbekannt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="101"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Empfaengerrolle ist ungleich AH&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="102"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Senderrolle ist unbekannt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="103"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Senderrolle ist für diese Operation nicht berechtigt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |                                                                             |

```

</xs:enumeration>
<xs:enumeration value="104">
  <xs:annotation>
    <xs:documentation>Organisations-ID des Senders ist im AH unbekannt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="105">
  <xs:annotation>
    <xs:documentation>Die Organisation des Senders ist im AH gesperrt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="106">
  <xs:annotation>
    <xs:documentation>Organisations-ID des Empfängers ist AH unbekannt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="107">
  <xs:annotation>
    <xs:documentation>Organisations-ID von Sender und Empfänger aus unterschiedlichen OrgID
Bereichen/Level</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="108">
  <xs:annotation>
    <xs:documentation>Aufruf der Schnittstelle ohne WS Security nur fuer Sender OrgId aus Level
2</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="110">
  <xs:annotation>
    <xs:documentation>Sperranforderung mit gleichen Angaben ist bereits im System</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="111">
  <xs:annotation>
    <xs:documentation>Sperraufhebungsanforderung mit gleichen Angaben ist bereits im System</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="112">
  <xs:annotation>
    <xs:documentation>Sperrmitteilung mit gleichen Angaben ist bereits im System</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="113">
  <xs:annotation>
    <xs:documentation>Sperraufhebungsmitteilung mit gleichen Angaben ist bereits im System</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="115">
  <xs:annotation>
    <xs:documentation>Sperrkandidat Organisation ist AH unbekannt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="116">
  <xs:annotation>
    <xs:documentation>Sperrkandidat Inhaber des symmetrischen Schlüssels ist AH unbekannt</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="117">
  <xs:annotation>
    <xs:documentation>Sperrkandidat Inhaber des asymmetrischen Schlüssels ist AH unbekannt</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="118">
  <xs:annotation>
    <xs:documentation>Sperrkandidat Applikations-KVP ist AH unbekannt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="119">
  <xs:annotation>
    <xs:documentation>Ausgabe Applikations-KVP ist AH unbekannt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="120">
  <xs:annotation>
    <xs:documentation>Der Sperrgrund ist AH unbekannt</xs:documentation>
  </xs:annotation>

```

```
</xs:enumeration>
<xs:enumeration value="121">
  <xs:annotation>
    <xs:documentation>Die Sperrentscheidung ist AH unbekannt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="122">
  <xs:annotation>
    <xs:documentation>Applikationsruecknahme: Die Transaktionsdaten sind unvollstaendig</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="124">
  <xs:annotation>
    <xs:documentation>Ausgabe Applikation: Applikation bereits ausgegeben</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="125">
  <xs:annotation>
    <xs:documentation>Keine Sperranforderung fuer Sperrmitteilung gefunden</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="126">
  <xs:annotation>
    <xs:documentation>Keine Sperraufhebungsanforderung fuer Sperraufhebungsmitteilung gefunden</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="127">
  <xs:annotation>
    <xs:documentation>Aenderung Applikation: Applikation ist dem AH nicht bekannt</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="128">
  <xs:annotation>
    <xs:documentation>Entferne Applikation: Applikation ist dem AH nicht bekannt</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="129">
  <xs:annotation>
    <xs:documentation>Gueltigkeit Applikation: Applikation ist dem AH nicht bekannt</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="130">
  <xs:annotation>
    <xs:documentation>Transaktion kann keinem Objekt zugeordnet werden</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="131">
  <xs:annotation>
    <xs:documentation>Transaktion bereits verarbeitet</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<!--Listenfehler -->
<xs:enumeration value="60">
  <xs:annotation>
    <xs:documentation>Die Daten der Liste konnte nicht extrahiert werden</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="61">
  <xs:annotation>
    <xs:documentation>Liste konnte nicht eingelesen werden (Formatfehler)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="62">
  <xs:annotation>
    <xs:documentation>Liste enthielt fehlerhafte Daten (Semantikfehler)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="63">
  <xs:annotation>
    <xs:documentation>Sonstige Probleme bei der Verarbeitung der Liste</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<!-- -->
<xs:enumeration value="255">
  <xs:annotation>
    <xs:documentation>Technischer Fehler</xs:documentation>
  </xs:annotation>
</xs:enumeration>
```

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&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/ah/types/2/XML-Schema_AH_Types.xsd |

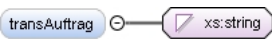
**Namespace:** ""

## Element(s)

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Annotations     | Fachliche Daten ueber die in der Transaktion involvierten Systeme                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Diagram         | <pre> classDiagram     class tns_ION_TX_HEADER_Type {         transAuftrag         transEmpfaenger_ID         transEmpfaengerRolle         transStatus         transTransaktion_ID         transTransaktionsTyp         transTransaktionsZeitpunkt         transVersion         transWiederholungsZaehler         transSignaturTyp         transSignaturZertifikat         transSignatur     }     class txbase     txbase --&gt; tns_ION_TX_HEADER_Type     </pre>                                                                                                                                                                                                                                                                                                                                 |
| 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} , 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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;   &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;/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 / transAuftrag

|                 |                                                                                                                                          |          |        |            |   |            |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|---|------------|---|
| Namespace       | No namespace                                                                                                                             |          |        |            |   |            |   |
| Diagram         |                                                         |          |        |            |   |            |   |
| Type            | xs:string                                                                                                                                |          |        |            |   |            |   |
| 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                                                                                                                                        |          |        |            |   |            |   |
| Source          | <code>&lt;xs:element name="transAuftrag" type="xs:string" 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 / 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</li> <li>tns:INT2 <ul style="list-style-type: none"> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul> </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          | <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 Nachrichtenempfangers                                                                                                                                                                     |        |           |
| 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 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 / transStatus

|                 |                                                                                                              |        |  |
|-----------------|--------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace       | No namespace                                                                                                 |        |  |
| Diagram         |                             |        |  |
| Type            | tns:INT1                                                                                                     |        |  |
| Properties      | content:                                                                                                     | simple |  |
|                 | minOccurs:                                                                                                   | 0      |  |
|                 | maxOccurs:                                                                                                   | 1      |  |
| Facets          | maxInclusive                                                                                                 | 255    |  |
|                 | minInclusive                                                                                                 | 0      |  |
| Source          | <xs:element name="transStatus" 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 / transTransaktion\_ID

|                 |                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                   |
| Diagram         | <pre>graph LR     subgraph tns_IONTransaktion_ID_Type [tns:IONTransaktion_ID_Type]         transSequenznummer         transSenderRolle         transSender_ID     end     transTransaktion_ID --- tns_IONTransaktion_ID_Type</pre>             |
| 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          | <pre>&lt;xs:element name="transTransaktion_ID" 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: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          | 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</li> <li>tns:INT1</li> <li>tns:KommunikationsParterRolle</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 KOSES                                                                                                       |
|                 | enumeration 254 ZVM                                                                                                       |
| Source          | <code>&lt;xs:element name="transSenderRolle" type="ka:KommunikationsParterRolle"/&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 / transSender\_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="transSender_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:ION\_TX\_HEADER\_Type / transTransaktionsTyp

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

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Type            | tns:INT1                                                                                                     |
| Properties      | content: simple                                                                                              |
|                 | minOccurs: 0                                                                                                 |
|                 | maxOccurs: 1                                                                                                 |
| Facets          | maxInclusive 255                                                                                             |
|                 | 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 |

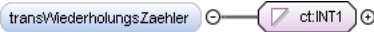
## Element tns:ION\_TX\_HEADER\_Type / transTransaktionsZeitpunkt

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Annotations     | Zeitpunkt der Dienstanfrage gemaess den Angaben der Dienstauftrufers. 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          | <code>&lt;xs:element name="transTransaktionsZeitpunkt" type="ct:DateTime"&gt;<br/>  &lt;xs:annotation&gt;<br/>    &lt;xs:documentation&gt;Zeitpunkt der Dienstanfrage gemaess den Angaben der Dienstauftrufers.<br/>    Achtung: Aufgrund von potentiell unsynchronisierten, lokalen Uhren der Kommunikationspartnern ist<br/>    moeglicherweise die Aussagekraft dieses Feldes sehr gering.&lt;/xs:documentation&gt;<br/>  &lt;/xs:annotation&gt;<br/>&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 / transVersion

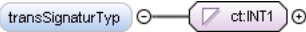
|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                           |
| Type            | tns:BitString16                                                                                              |
| Properties      | content: simple                                                                                              |
|                 | minOccurs: 0                                                                                                 |
|                 | maxOccurs: 1                                                                                                 |
| Facets          | length 16                                                                                                    |
|                 | pattern<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][0-1][0-1][0-1][0-1]<br>[0-1]      |
| Source          | <code>&lt;xs:element name="transVersion" type="ct:BitString16" 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 / 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 |        |

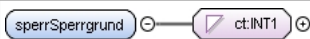
### Element tns:ION\_TX\_HEADER\_Type / transSignaturZertifikat

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

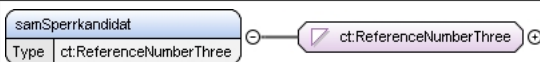
### Element tns:ION\_TX\_HEADER\_Type / transSignatur

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

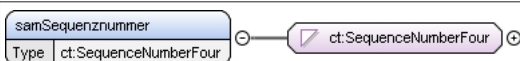
## Element tns:TX\_SANF\_Type / sperrSperrgrund

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

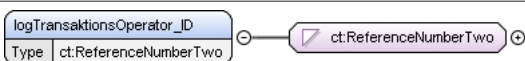
## Element ah:TXSANFS\_Type / samSperrkandidat

|                 |                                                                                                                                                                                                      |          |  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Namespace       | No namespace                                                                                                                                                                                         |          |  |
| Diagram         |                                                                                                                     |          |  |
| Type            | tns:ReferenceNumberThree                                                                                                                                                                             |          |  |
| 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</li></ul></li></ul></li></ul> |          |  |
| Properties      | content:                                                                                                                                                                                             | simple   |  |
| Facets          | maxInclusive                                                                                                                                                                                         | 16777215 |  |
|                 | minInclusive                                                                                                                                                                                         | 0        |  |
| Source          | <xs:element name="samSperrkandidat" type="ct:ReferenceNumberThree"/>                                                                                                                                 |          |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd                                                                                           |          |  |

## Element ah:TXSANFS\_Type / samSequenznummer

|                 |                                                                                                                                                                                                    |            |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|
| Namespace       | No namespace                                                                                                                                                                                       |            |  |
| Diagram         |                                                                                                                 |            |  |
| Type            | tns:SequenceNumberFour                                                                                                                                                                             |            |  |
| Type hierarchy  | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT4<ul style="list-style-type: none"><li>• tns:SequenceNumberFour</li></ul></li></ul></li></ul> |            |  |
| Properties      | content:                                                                                                                                                                                           | simple     |  |
| Facets          | maxInclusive                                                                                                                                                                                       | 4294967295 |  |
|                 | minInclusive                                                                                                                                                                                       | 0          |  |
| Source          | <xs:element name="samSequenznummer" type="ct:SequenceNumberFour"/>                                                                                                                                 |            |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd                                                                                         |            |  |

## Element ah:TXKNAWDM\_Type / logTransaktionsOperator\_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                                                                                                 |
|                 | 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/ah/2/XML-Schema_AH.xsd         |

## Element ah:TXKNAWDM\_Type / logTerminal\_ID

|                 |                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                        |
| Type            | tns:Terminal_ID_Type                                                                                                                                                                                                   |
| Properties      | content: complex                                                                                                                                                                                                       |
| Model           | terminalTyp , terminalNumber , terminalOwner_ID                                                                                                                                                                        |
| Children        | terminalNumber, terminalOwner_ID, terminalTyp                                                                                                                                                                          |
| Instance        | <pre>&lt;logTerminal_ID&gt;   &lt;terminalTyp&gt;{1,1}&lt;/terminalTyp&gt;   &lt;terminalNumber&gt;{1,1}&lt;/terminalNumber&gt;   &lt;terminalOwner_ID&gt;{1,1}&lt;/terminalOwner_ID&gt; &lt;/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/ah/2/XML-Schema_AH.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

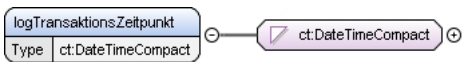
|           |                        |
|-----------|------------------------|
| Namespace | No namespace           |
| Diagram   |                        |
| Type      | tns:ReferenceNumberTwo |

|                 |                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------|
| 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       |

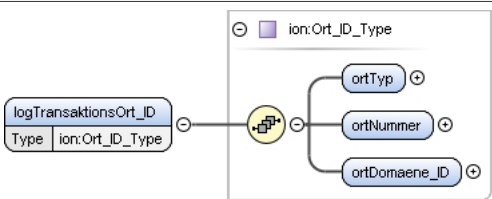
### Element tns:Terminal\_ID\_Type / terminalOwner\_ID

|                 |                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 ah:TXKNAWDM\_Type / logTransaktionsZeitpunkt

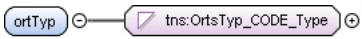
|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                               |
| Diagram         |                         |
| Type            | tns:DateTimeCompact                                                                                        |
| Properties      | content: simple                                                                                            |
| Facets          | 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/ah/2/XML-Schema_AH.xsd |

### Element ah:TXKNAWDM\_Type / logTransaktionsOrt\_ID

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                        |
| Diagram    |  |
| Type       | tns:Ort_ID_Type                                                                     |
| Properties | content: complex                                                                    |

|                 |                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                         |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                           |
| Instance        | <pre>&lt;logTransaktionsOrt_ID&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;/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/ah/2/XML-Schema_AH.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</li> <li>tns:INT1</li> <li>tns:OrtsTyp_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="ortTyp" type="tns:OrtsTyp_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: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          | <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="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 ah:TXKNAWDM\_Type / transMediennummer

|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                               |
| 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/ah/2/XML-Schema_AH.xsd |

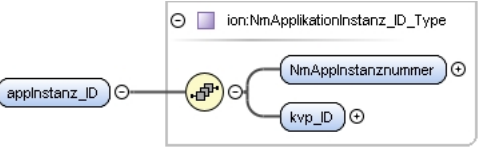
### Element ah:TXAA\_Type / nmMedium\_ID.nutzermediumNummer

|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                               |
| Diagram         |                                                                                                            |
| Type            | tns:OctetString10                                                                                          |
| Properties      | content: simple                                                                                            |
| Facets          | length 10                                                                                                  |
| Source          | <code>&lt;xs:element name="nmMedium_ID.nutzermediumNummer" type="ct:OctetString10"/&gt;</code>             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd |

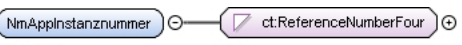
### Element ah:TXAA\_Type / tx\_app

|                 |                                                                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                                                                                             |
| Type            | tns:TX_APP_Type                                                                                                                                                                                                                                                             |
| Properties      | content: complex                                                                                                                                                                                                                                                            |
| Model           | appInstanz_ID , appGueltigkeitsbeginn , appGueltigkeitsende , appVersion                                                                                                                                                                                                    |
| Children        | appGueltigkeitsbeginn, appGueltigkeitsende, appInstanz_ID, appVersion                                                                                                                                                                                                       |
| Instance        | <pre>&lt;tx_app&gt;   &lt;appInstanz_ID&gt;{1,1}&lt;/appInstanz_ID&gt;   &lt;appGueltigkeitsbeginn&gt;{1,1}&lt;/appGueltigkeitsbeginn&gt;   &lt;appGueltigkeitsende&gt;{1,1}&lt;/appGueltigkeitsende&gt;   &lt;appVersion&gt;{1,1}&lt;/appVersion&gt; &lt;/tx_app&gt;</pre> |
| Source          | <code>&lt;xs:element name="tx_app" type="at:TX_APP_Type"/&gt;</code>                                                                                                                                                                                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd                                                                                                                                                                  |

## Element tns:TX\_APP\_Type / appInstanz\_ID

|                 |                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                |
| Diagram         |                                                                            |
| Type            | tns:NmApplikationInstanz_ID_Type                                                                                                                            |
| Properties      | content: complex                                                                                                                                            |
| Model           | NmAppInstanznummer , kvp_ID                                                                                                                                 |
| Children        | NmAppInstanznummer, kvp_ID                                                                                                                                  |
| Instance        | <pre>&lt;appInstanz_ID&gt;   &lt;NmAppInstanznummer&gt;{1, 1}&lt;/NmAppInstanznummer&gt;   &lt;kvp_ID&gt;{1, 1}&lt;/kvp_ID&gt; &lt;/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/ah/types/2/XML-Schema_AH_Types.xsd                                      |

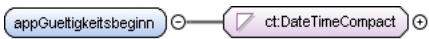
## Element tns:NmApplikationInstanz\_ID\_Type / NmAppInstanznummer

|                 |                                                                                                                          |              |            |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| 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          | <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="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:TX\_APP\_Type / appGueltigkeitsbeginn

|                 |                                                                                                                                          |              |                     |              |                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|--------------|---------------------|
| 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="appGueltigkeitsbeginn" type="ct:DateTimeCompact"/&gt;</code>                                                  |              |                     |              |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd                   |              |                     |              |                     |

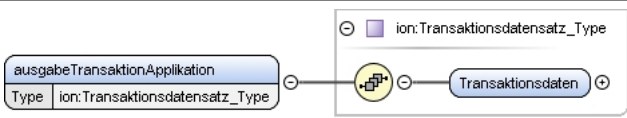
## Element tns:TX\_APP\_Type / appGueltigkeitsende

|                 |                                                                                                                                          |              |                     |              |                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------|--------------|---------------------|
| 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="appGueltigkeitsende" type="ct:DateTimeCompact"/&gt;</code>                                                    |              |                     |              |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd                   |              |                     |              |                     |

## Element tns:TX\_APP\_Type / appVersion

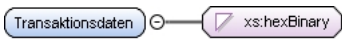
|                 |                                                                                                                                       |        |   |         |                                              |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------|--------|---|---------|----------------------------------------------|
| Namespace       | No namespace                                                                                                                          |        |   |         |                                              |
| Diagram         |                                                    |        |   |         |                                              |
| Type            | tns:BitString8                                                                                                                        |        |   |         |                                              |
| Properties      | content: simple                                                                                                                       |        |   |         |                                              |
| 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]<br/>[0-1][0-1][0-1]</td></tr> </table> | length | 8 | pattern | [0-1][0-1][0-1][0-1][0-1]<br>[0-1][0-1][0-1] |
| length          | 8                                                                                                                                     |        |   |         |                                              |
| pattern         | [0-1][0-1][0-1][0-1][0-1]<br>[0-1][0-1][0-1]                                                                                          |        |   |         |                                              |
| Source          | <code>&lt;xs:element name="appVersion" type="ct:BitString8"/&gt;</code>                                                               |        |   |         |                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd                |        |   |         |                                              |

## Element ah:TXAA\_Type / ausgabeTransaktionApplikation

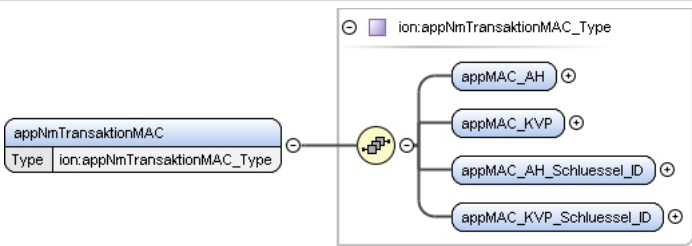
|            |                                                                                                                                                            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                                                                                               |
| Diagram    |                                                                         |
| Type       | tns:Transaktionsdatensatz_Type                                                                                                                             |
| Properties | content: complex                                                                                                                                           |
| Model      | Transaktionsdaten                                                                                                                                          |
| Children   | Transaktionsdaten                                                                                                                                          |
| Instance   | <code>&lt;ausgabeTransaktionApplikation&gt;<br/>&lt;Transaktionsdaten&gt;{1,1}&lt;/Transaktionsdaten&gt;<br/>&lt;/ausgabeTransaktionApplikation&gt;</code> |
| Source     | <code>&lt;xs:element name="ausgabeTransaktionApplikation" type="ion:Transaktionsdatensatz_Type"/&gt;</code>                                                |

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

## Element tns:Transaktionsdatensatz\_Type / Transaktionsdaten

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | xs:hexBinary                                                                                                 |
| Properties      | 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 ah:TXAA\_Type / appNmTransaktionMAC

|                 |                                                                                                                                                                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                                    |
| Type            | tns:appNmTransaktionMAC_Type                                                                                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                                    |
| Model           | appMAC_AH , appMAC_KVP , appMAC_AH_SchluesseID , appMAC_KVP_SchluesseID                                                                                                                                                                                                                             |
| Children        | appMAC_AH, appMAC_AH_SchluesseID, appMAC_KVP, appMAC_KVP_SchluesseID                                                                                                                                                                                                                                |
| 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_SchluesseID&gt;{1,1}&lt;/appMAC_AH_SchluesseID&gt;   &lt;appMAC_KVP_SchluesseID&gt;{1,1}&lt;/appMAC_KVP_SchluesseID&gt; &lt;/appNmTransaktionMAC&gt;</pre> |
| Source          | <code>&lt;xs:element name="appNmTransaktionMAC" type="ion:appNmTransaktionMAC_Type"/&gt;</code>                                                                                                                                                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.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:SymSchluessel_ID_Type                                                                                                                                                                                                                                          |
| Properties      | content: complex                                                                                                                                                                                                                                                   |
| Model           | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                                        |
| Children        | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                          |
| Instance        | <pre>&lt;appMAC_AH_Schluesssel_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;/appMAC_AH_Schluesssel_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="appMAC_AH_Schluesssel_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:SymSchluessel\_ID\_Type / schluesselNummer

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                                                                                                              |
| Type            | tns:INT1                                                                                                     |
| Properties      | content: simple                                                                                              |
| Facets          | maxInclusive 255<br>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

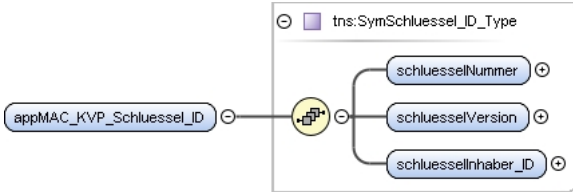
|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace      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

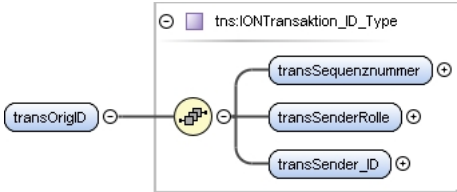
|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|                 |                                                                                                                         |              |       |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| 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          | <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="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:appNmTransaktionMAC\_Type / appMAC\_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;appMAC_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;/appMAC_KVP_Schluessel_ID&gt; </pre> |
| Source          | <code>&lt;xs:element name="appMAC_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: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     | <code>&lt;xs:element name="transOrigID" 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 |
|-----------------|--------------------------------------------------------------------------------------------------------------|

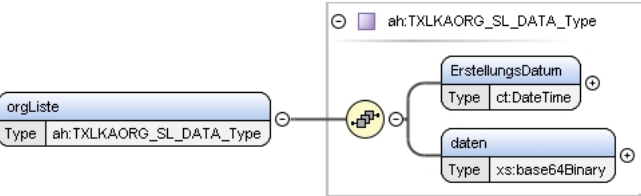
### Element tns:TX\_RET\_Type / transOrigSignatur

|                 |                                                                                                                                          |          |        |            |   |            |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|---|------------|---|
| 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          | length 128                                                                                                                               |          |        |            |   |            |   |
| Source          | <code>&lt;xs:element name="transOrigSignatur" 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                             |          |        |            |   |            |   |

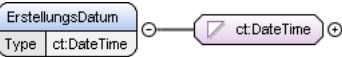
### Element tns:TX\_RET\_Type / transOriginalZeit

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | xs:dateTime                                                                                                  |
| Properties      | content: simple                                                                                              |
| Source          | <code>&lt;xs:element name="transOriginalZeit" type="xs:dateTime"/&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 ah:TX\_LKAORG\_Type / orgListe

|                 |                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                              |
| Diagram         |                                                        |
| Type            | ah:TXLKAORG_SL_DATA_Type                                                                                                                  |
| Properties      | content: complex                                                                                                                          |
| Model           | ErstellungsDatum , daten                                                                                                                  |
| Children        | ErstellungsDatum, daten                                                                                                                   |
| Instance        | <pre>&lt;orgListe&gt;   &lt;ErstellungsDatum&gt;{1,1}&lt;/ErstellungsDatum&gt;   &lt;daten&gt;{1,1}&lt;/daten&gt; &lt;/orgListe&gt;</pre> |
| Source          | <code>&lt;xs:element name="orgListe" type="ah:TXLKAORG_SL_DATA_Type"/&gt;</code>                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd                                |

### Element ah:TXLKAORG\_SL\_DATA\_Type / ErstellungsDatum

|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                        |
| Annotations | Zeitpunkt der Listenerstellung                                                      |
| Diagram     |  |
| Type        | tns:DateTime                                                                        |

|                 |                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties      | content: simple                                                                                                                                                                                                                   |
| Source          | <pre>&lt;xs:element name="ErstellungsDatum" type="ct:DateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Zeitpunkt der Listenerstellung&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/ah/2/XML-Schema_AH.xsd                                                                                                                        |

## Element ah:TXLKAORG\_SL\_DATA\_Type / daten

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Annotations     | Dieses Element enthaelt die Organisationlistenmassendaten. Die Daten liegen in einem XML Format vor, die im zip Format komprimiert sind. Die den Daten zugrundeliegende Strukturdefinition ist im Schema <a href="http://vdv/ka/ah/attachments">http://vdv/ka/ah/attachments</a> durch das Element "TXLKAORGLIST_Resp_SL" definiert.                                                                                                                                                                                                                                                                                                     |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Type            | xs:base64Binary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Properties      | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source          | <pre>&lt;xs:element name="daten" type="xs:base64Binary" xmlns:xmime="http://www.w3.org/2003/09/xmldescriptor#expectedContentTypes" xmime:expectedContentTypes="application/vnd.vdv.ah.txlkaorglist.sl.zip"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Dieses Element enthaelt die Organisationlistenmassendaten. Die Daten liegen in einem XML Format vor, die im zip Format komprimiert sind. Die den Daten zugrundeliegende Strukturdefinition ist im Schema http://vdv/ka/ah/attachments durch das Element "TXLKAORGLIST_Resp_SL" definiert.&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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Element ah:TXLZVMORG\_Type / orgListe

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

## Element ah:TXLZVMORG\_SL\_DATA\_Type / ErstellungsDatum

|             |                                |
|-------------|--------------------------------|
| Namespace   | No namespace                   |
| Annotations | Zeitpunkt der Listenerstellung |
| Diagram     |                                |
| Type        | tns:DateTime                   |

|                 |                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties      | content: simple                                                                                                                                                                                                                   |
| Source          | <pre>&lt;xs:element name="ErstellungsDatum" type="ct:DateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Zeitpunkt der Listenerstellung&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/ah/2/XML-Schema_AH.xsd                                                                                                                        |

## Element ah:TXLZVMORG\_SL\_DATA\_Type / daten

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Annotations     | Dieses Element enthaelt die Organisationlistenmassendaten. Die Daten liegen in einem XML Format vor, die im zip Format komprimiert sind. Die den Daten zugrundeliegende Strukturdefinition ist im Schema <a href="http://vdv/ka/ah/attachments">http://vdv/ka/ah/attachments</a> durch das Element "TXLKAZVMLIST_Resp_SL_Type" definiert.                                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type            | xs:base64Binary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Properties      | content: simple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source          | <pre>&lt;xs:element name="daten" type="xs:base64Binary" xmlns:mime="application/vnd.vdv.ah.txlzvmorglist.zip"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Dieses Element enthaelt die Organisationlistenmassendaten. Die Daten liegen in einem XML Format vor, die im zip Format komprimiert sind. Die den Daten zugrundeliegende Strukturdefinition ist im Schema <a href="http://vdv/ka/ah/attachments">http://vdv/ka/ah/attachments</a> durch das Element "TXLKAZVMLIST_Resp_SL_Type" definiert.&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/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Element ah:TXRA\_Type / ruecknahmeTransaktionApplikation

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

## Element ah:TXRA\_Type / appNmTransaktionMAC

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

|                 |                                                                                                                                                                                                                                                                                                     |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:appNmTransaktionMAC_Type                                                                                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                                    |
| Model           | appMAC_AH , appMAC_KVP , appMAC_AH_SchluesseID , appMAC_KVP_SchluesseID                                                                                                                                                                                                                             |
| Children        | appMAC_AH, appMAC_AH_SchluesseID, appMAC_KVP, appMAC_KVP_SchluesseID                                                                                                                                                                                                                                |
| 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_SchluesseID&gt;{1,1}&lt;/appMAC_AH_SchluesseID&gt;   &lt;appMAC_KVP_SchluesseID&gt;{1,1}&lt;/appMAC_KVP_SchluesseID&gt; &lt;/appNmTransaktionMAC&gt;</pre> |
| Source          | <code>&lt;xs:element name="appNmTransaktionMAC" type="ion:appNmTransaktionMAC_Type"/&gt;</code>                                                                                                                                                                                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd                                                                                                                                                                                          |

## Element ah:TXRA\_Type / appVersion

|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                               |
| Diagram         |                                                                                                            |
| Type            | tns:BitString8                                                                                             |
| Properties      | content: simple                                                                                            |
| Facets          | length 8<br>pattern [0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]                                               |
| Source          | <code>&lt;xs:element name="appVersion" type="ct:BitString8"/&gt;</code>                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd |

## Element ah:TXAEA\_Type / appInstanzID

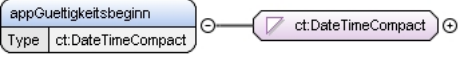
|                 |                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|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

## Element ah:TXAEA\_Type / appGuelteigkeitsende

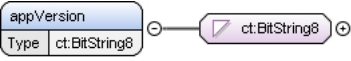
|            |                                  |
|------------|----------------------------------|
| Namespace  | No namespace                     |
| Diagram    |                                  |
| Type       | tns:DateTimeCompact              |
| Properties | content: simple                  |
| Facets     | maxInclusive 2117-12-31T23:59:58 |

|                 |                                                                                                            |                     |
|-----------------|------------------------------------------------------------------------------------------------------------|---------------------|
|                 | minInclusive                                                                                               | 1990-01-01T00:00:00 |
| Source          | <xs:element name="appGueutigkeitsende" type="ct:DateTimeCompact"/>                                         |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd |                     |

### Element ah:TXAEA\_Type / appGueutigkeitsbeginn

|                 |                                                                                                            |                     |
|-----------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Namespace       | No namespace                                                                                               |                     |
| Diagram         |                           |                     |
| Type            | tns:DateTimeCompact                                                                                        |                     |
| Properties      | content:                                                                                                   | simple              |
| Facets          | maxInclusive                                                                                               | 2117-12-31T23:59:58 |
|                 | minInclusive                                                                                               | 1990-01-01T00:00:00 |
| Source          | <xs:element name="appGueutigkeitsbeginn" type="ct:DateTimeCompact"/>                                       |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.xsd |                     |

### Element ah:TXAEA\_Type / appVersion

|                 |                                                                                                            |                                          |
|-----------------|------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Namespace       | No namespace                                                                                               |                                          |
| Diagram         |                           |                                          |
| Type            | tns:BitString8                                                                                             |                                          |
| Properties      | content:                                                                                                   | simple                                   |
| Facets          | length                                                                                                     | 8                                        |
|                 | pattern                                                                                                    | [0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1] |
| Source          | <xs:element name="appVersion" type="ct:BitString8"/>                                                       |                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/2/XML-Schema_AH.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          | maxInclusive                                                                                                        | 4294967295 |
|                 | minInclusive                                                                                                        | 0          |
| Source          | <xs:element name="berechtigungNummer" type="ct:ReferenceNumberFour"/>                                               |            |
| 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 <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          | <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 <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                                                                                                                                                                                        |
|                 | minOccurs: 0                                                                                                                                                                                           |
|                 | maxOccurs: 1                                                                                                                                                                                           |
| Facets          | 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 <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          | <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: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 |

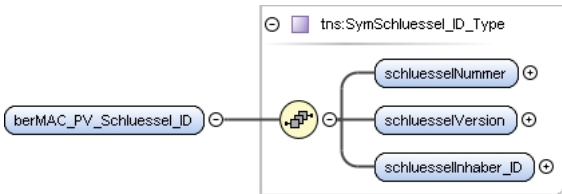
### Element tns:berNmTransaktionMAC\_Type / berMAC\_PV

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:OctetString8                                                                                             |
| Properties      | content: simple                                                                                              |
| Facets          | length 8                                                                                                     |
| Source          | <code>&lt;xs:element name="berMAC_PV" 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:berNmTransaktionMAC\_Type / berMAC\_KVP

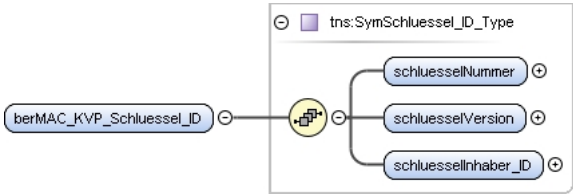
|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:OctetString8                                                                                             |
| Properties      | content: simple                                                                                              |
| Facets          | length 8                                                                                                     |
| Source          | <code>&lt;xs:element name="berMAC_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:berNmTransaktionMAC\_Type / berMAC\_PV\_Schluessel\_ID

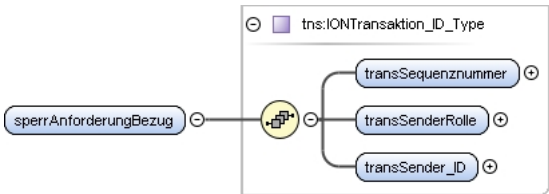
|                 |                                                                                                                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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          | <code>&lt;xs:element name="berMAC_PV_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:berNmTransaktionMAC\_Type / berMAC\_KVP\_Schluessel\_ID

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

|                 |                                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                           |
| Type            | tns:SymSchlüssel_ID_Type                                                                                                                                                                                                                                   |
| Properties      | content: complex                                                                                                                                                                                                                                           |
| Model           | schlüsselNummer , schlüsselVersion , schlüsselInhaber_ID                                                                                                                                                                                                   |
| Children        | schlüsselInhaber_ID, schlüsselNummer, schlüsselVersion                                                                                                                                                                                                     |
| Instance        | <pre>&lt;berMAC_KVP_Schlüssel_ID&gt;   &lt;schlüsselNummer&gt;{1,1}&lt;/schlüsselNummer&gt;   &lt;schlüsselVersion&gt;{1,1}&lt;/schlüsselVersion&gt;   &lt;schlüsselInhaber_ID&gt;{1,1}&lt;/schlüsselInhaber_ID&gt; &lt;/berMAC_KVP_Schlüssel_ID&gt;</pre> |
| Source          | <pre>&lt;xs:element name="berMAC_KVP_Schlüssel_ID" type="tns:SymSchlüssel_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\_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          | <pre>&lt;xs:element name="sperrAnforderungBezug" 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\_SMIT\_Type / sperrEntscheidung

|                 |                                                                                                                                                                                             |             |   |             |   |             |   |             |   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---|-------------|---|-------------|---|-------------|---|
| Namespace       | No namespace                                                                                                                                                                                |             |   |             |   |             |   |             |   |
| Diagram         |                                                                                                          |             |   |             |   |             |   |             |   |
| Type            | tns:Mitteilung_CODE_Type                                                                                                                                                                    |             |   |             |   |             |   |             |   |
| Properties      | content: simple                                                                                                                                                                             |             |   |             |   |             |   |             |   |
| Facets          | <table border="1"> <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          | <pre>&lt;xs:element name="sperrEntscheidung" type="tns:Mitteilung_CODE_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\_BER\_Type / berGueltigkeitsbeginn

|                 |                                                                                                              |                     |  |
|-----------------|--------------------------------------------------------------------------------------------------------------|---------------------|--|
| Namespace       | No namespace                                                                                                 |                     |  |
| Diagram         |                             |                     |  |
| Type            | tns:DateTimeCompact                                                                                          |                     |  |
| Properties      | content:                                                                                                     | simple              |  |
| Facets          | maxInclusive                                                                                                 | 2117-12-31T23:59:58 |  |
|                 | minInclusive                                                                                                 | 1990-01-01T00:00:00 |  |
| Source          | <xs:element name="berGueltigkeitsbeginn" type="ct:DateTimeCompact"/>                                         |                     |  |
| 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          | maxInclusive                                                                                                 | 2117-12-31T23:59:58 |  |
|                 | minInclusive                                                                                                 | 1990-01-01T00:00:00 |  |
| Source          | <xs:element name="berGueltigkeitsende" type="ct:DateTimeCompact"/>                                           |                     |  |
| 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          | <xs:element name="prodAbrechnungsVerfahren" type="tns:Abrechnungsverfahren_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:TX\_BER\_Type / berBezahlArt

|                |                                                                  |  |  |
|----------------|------------------------------------------------------------------|--|--|
| Namespace      | No namespace                                                     |  |  |
| Diagram        |                                                                  |  |  |
| Type           | tns:Bezahlart_CODE_Type                                          |  |  |
| 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:Bezahlart_CODE_Type</li> </ul>              |
| Properties      | content: simple                                                                                              |
| Facets          | maxInclusive 255                                                                                             |
|                 | minInclusive 0                                                                                               |
| Source          | <code>&lt;xs:element name="berBezahlArt" type="tns:Bezahlart_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\_BER\_Type / berBezahlMittel

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| 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/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> |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
|                 | <pre>&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          | <table> <tr> <td>minLength</td><td>0</td></tr> <tr> <td>maxLength</td><td>10</td></tr> <tr> <td>pattern</td><td>[ -p]*</td></tr> </table>                                                                                                                                                  | minLength | 0 | maxLength | 10 | pattern | [ -p]* |
| 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

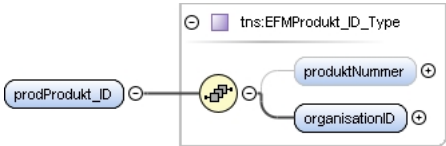
|                 |                                                                                                                  |              |     |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------|--------------|-----|--------------|---|
| 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          | <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="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

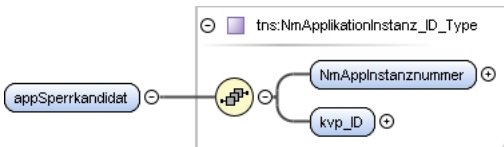
|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace      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

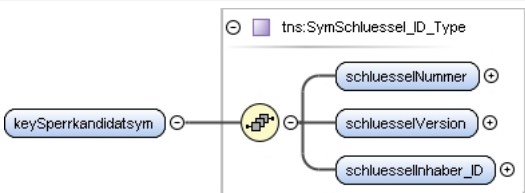
|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|                 |                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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         | <p>The diagram shows a sequence of two elements: 'keySperrkandidatasy' and 'signaturSchluessel'. Both are connected to a central yellow circle with a plus sign, indicating a sequence. A legend indicates that the purple box represents 'tns:ASymSchluessel_ID_Type'.</p> |
| 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          | <code>&lt;xs:element name="keySperrkandidatasy" type="tns:ASymSchluessel_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:TXSFREIMITASYMK\_Type / keySperrkandidatsym

|                 |                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                                                             |
| Diagram         | <p>The diagram shows a sequence of two elements: 'keySperrkandidatsym' and a complex structure. The complex structure is represented by a yellow circle with a plus sign, which is connected to three sub-elements: 'schlueselNummer', 'schlueselVersion', and 'schlueselInhaber_ID'. A legend indicates that the purple box represents 'tns:SymSchluessel_ID_Type'.</p> |
| 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          | <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:TXSFREIMITASYMK\_Type / keySperrkandidatasy

|            |                                                                                                                                                                                                                                                                             |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                                                                                                                                                                                                                |
| Diagram    | <p>The diagram shows a sequence of two elements: 'keySperrkandidatasy' and 'signaturSchluessel'. Both are connected to a central yellow circle with a plus sign, indicating a sequence. A legend indicates that the purple box represents 'tns:ASymSchluessel_ID_Type'.</p> |
| 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     | <code>&lt;xs:element name="keySperrkandidatasy" type="tns:ASymSchluessel_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:TXSMITSYMK\_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          | <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         |                                                                                                                                    |
| 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        |                                                                                                                                                                                                                                                                                                                             |              |          |              |   |
| 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         | <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          | 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          | 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 Sperrobjecte. 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 Sperrobjecte. 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         |                                                                                                                                                                                                                                                                                                     |
| Type            | tns:berNmTransaktionMAC_Type                                                                                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                                                                                    |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_SchluesseID , berMAC_KVP_SchluesseID                                                                                                                                                                                                                             |
| Children        | berMAC_KVP, berMAC_KVP_SchluesseID, berMAC_PV, berMAC_PV_SchluesseID                                                                                                                                                                                                                                |
| 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_SchluesseID&gt;{1,1}&lt;/berMAC_PV_SchluesseID&gt;   &lt;berMAC_KVP_SchluesseID&gt;{1,1}&lt;/berMAC_KVP_SchluesseID&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                                                                                                                                                                                        |

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

|                |                                                                                                                                                                                      |        |                                                                                                                                                                   |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | No namespace                                                                                                                                                                         |        |                                                                                                                                                                   |
| Diagram        |                                                                                                                                                                                      |        |                                                                                                                                                                   |
| Type           | tns:StatusCode                                                                                                                                                                       |        |                                                                                                                                                                   |
| 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> |        |                                                                                                                                                                   |
| Properties     | content:                                                                                                                                                                             | simple |                                                                                                                                                                   |
| Facets         | 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. |
| 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:Kundenroute\_Type / bezeichnung

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                           |
| Diagram         |                                     |
| Type            | tns:PrintableString                                                                                                    |
| Properties      | content: simple                                                                                                        |
| Facets          | pattern [ -þ]*                                                                                                         |
| Source          | <xs:element name="bezeichnung" type="ion:PrintableString"/>                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd |

### Element tns:Kundenroute\_Type / kurzBezeichnung

|                 |                                                                                                                        |        |  |
|-----------------|------------------------------------------------------------------------------------------------------------------------|--------|--|
| Namespace       | No namespace                                                                                                           |        |  |
| Diagram         |                                     |        |  |
| Type            | tns:PrintableString                                                                                                    |        |  |
| Properties      | content:                                                                                                               | simple |  |
|                 | nillable:                                                                                                              | true   |  |
| Facets          | pattern                                                                                                                | [ -þ]* |  |
| Source          | <xs:element name="kurzBezeichnung" type="ion:PrintableString" nillable="true"/>                                        |        |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd |        |  |

### Element tns:Kundenroute\_Type / email

|            |                |        |  |
|------------|----------------|--------|--|
| Namespace  | No namespace   |        |  |
| Diagram    |                |        |  |
| Type       | tns:Email_Type |        |  |
| Properties | content:       | simple |  |
|            | nillable:      | true   |  |

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| Facets          | <p>pattern <code>\w+([ -+.']\w+)*@\w+([ -.]\w+)*\.\w+([ -.]\w+)*</code></p>                                            |
| Source          | <code>&lt;xs:element name="email" type="tns:Email_Type" nillable="true"/&gt;</code>                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd |

## Element tns:Kundenroute\_Type / orgIDRolleRoute

|                 |                                                                                                                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                                   |
| Type            | tns:OrgIDRolleRoute_Type                                                                                                                                                                                                                          |
| Properties      | <p>content: complex</p> <p>minOccurs: 1</p> <p>maxOccurs: unbounded</p>                                                                                                                                                                           |
| Model           | orgID , rollencode , serviceUrl , interfaceVersion                                                                                                                                                                                                |
| Children        | interfaceVersion, orgID, rollencode, serviceUrl                                                                                                                                                                                                   |
| Instance        | <pre>&lt;orgIDRolleRoute&gt;   &lt;orgID&gt;{1,1}&lt;/orgID&gt;   &lt;rollencode&gt;{1,1}&lt;/rollencode&gt;   &lt;serviceUrl&gt;{1,1}&lt;/serviceUrl&gt;   &lt;interfaceVersion&gt;{1,1}&lt;/interfaceVersion&gt; &lt;/orgIDRolleRoute&gt;</pre> |
| Source          | <code>&lt;xs:element name="orgIDRolleRoute" type="tns:OrgIDRolleRoute_Type" minOccurs="1" maxOccurs="unbounded"/&gt;</code>                                                                                                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd                                                                                                                            |

## Element tns:OrgIDRolleRoute\_Type / orgID

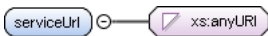
|                 |                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 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          | <p>maxInclusive 65535</p> <p>minInclusive 0</p>                                                                                                 |
| Source          | <code>&lt;xs:element name="orgID" type="ka:Organisation_ID"/&gt;</code>                                                                         |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd                          |

## Element tns:OrgIDRolleRoute\_Type / rollencode

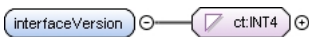
|           |              |
|-----------|--------------|
| Namespace | No namespace |
| Diagram   |              |

|                 |                                                                                                                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 KOSES                                                                                                                                                                                           |
|                 | enumeration 254 ZVM                                                                                                                                                                                           |
| Source          | <code>&lt;xs:element name="rollencode" type="ka:KommunikationsParterRolle"/&gt;</code>                                                                                                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd                                                                                        |

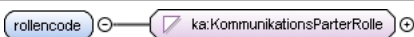
### Element tns:OrgIDRolleRoute\_Type / serviceUrl

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                           |
| Diagram         |                                      |
| Type            | xs:anyURI                                                                                                              |
| Properties      | content: simple                                                                                                        |
|                 | nillable: true                                                                                                         |
| Source          | <code>&lt;xs:element name="serviceUrl" type="xs:anyURI" nillable="true"/&gt;</code>                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd |

### Element tns:OrgIDRolleRoute\_Type / interfaceVersion

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                           |
| Diagram         |                                     |
| Type            | tns:INT4                                                                                                               |
| Properties      | content: simple                                                                                                        |
|                 | nillable: true                                                                                                         |
| Facets          | maxInclusive 4294967295                                                                                                |
|                 | minInclusive 0                                                                                                         |
| Source          | <code>&lt;xs:element name="interfaceVersion" type="ct:INT4" nillable="true"/&gt;</code>                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd |

### Element tns:Kundenrolle\_Type / rollencode

|                |                                                                                                                              |
|----------------|------------------------------------------------------------------------------------------------------------------------------|
| 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</li> </ul> </li> </ul> |

|                 |                                                                                                                        |             |
|-----------------|------------------------------------------------------------------------------------------------------------------------|-------------|
|                 | • tns:KommunikationsParterRolle                                                                                        |             |
| 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 KOSES     |
|                 | enumeration                                                                                                            | 254 ZVM     |
| Source          | <xs:element name="rollencode" type="ka:KommunikationsParterRolle"/>                                                    |             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd |             |

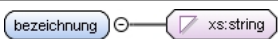
### Element tns:Kundenrolle\_Type / ip

|                 |                                                                                                                        |                                                                                                                       |
|-----------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                           |                                                                                                                       |
| Diagram         |                                       |                                                                                                                       |
| Type            | tns:IP_Format                                                                                                          |                                                                                                                       |
| Properties      | content:                                                                                                               | simple                                                                                                                |
| Facets          | pattern                                                                                                                | (( [1-9]?[0-9]   1[0-9][0-9]   2[0-4][0-9]   25[0-5] ) \. ) {3} ( [1-9]?[0-9]   1[0-9][0-9]   2[0-4][0-9]   25[0-5] ) |
| Source          | <xs:element name="ip" type="tns:IP_Format"/>                                                                           |                                                                                                                       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd |                                                                                                                       |

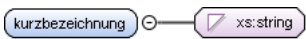
### Element tns:Kundenrolle\_Type / port

|                 |                                                                                                                        |        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace       | No namespace                                                                                                           |        |
| Diagram         |                                     |        |
| Type            | tns:Port_Format                                                                                                        |        |
| Properties      | content:                                                                                                               | simple |
| Facets          | maxInclusive                                                                                                           | 65535  |
|                 | minInclusive                                                                                                           | 0      |
| Source          | <xs:element name="port" type="tns:Port_Format"/>                                                                       |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd |        |

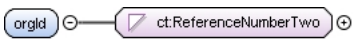
### Element tns:Organisation\_Type / bezeichnung

|                 |                                                                                                                        |        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace       | No namespace                                                                                                           |        |
| Diagram         |                                     |        |
| Type            | xs:string                                                                                                              |        |
| Properties      | content:                                                                                                               | simple |
| Source          | <xs:element name="bezeichnung" type="xs:string"/>                                                                      |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd |        |

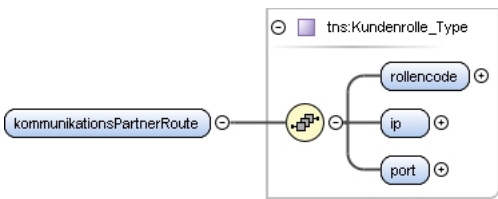
## Element tns:Organisation\_Type / kurzbezeichnung

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

## Element tns:Organisation\_Type / orgId

|                 |                                                                                                                                                                                                        |              |        |              |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|
| Namespace       | No namespace                                                                                                                                                                                           |              |        |              |   |
| 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      | <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="orgId" type="ct:ReferenceNumberTwo"/&gt;</code>                                                                                                                             |              |        |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd                                                                                 |              |        |              |   |

## Element tns:Organisation\_Type / kommunikationsPartnerRoute

|                 |                                                                                                                                                                                                |          |         |            |   |            |           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------|---|------------|-----------|
| Namespace       | No namespace                                                                                                                                                                                   |          |         |            |   |            |           |
| Diagram         |                                                                                                             |          |         |            |   |            |           |
| Type            | tns:Kundenrolle_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           | rollencode , ip , port                                                                                                                                                                         |          |         |            |   |            |           |
| Children        | ip, port, rollencode                                                                                                                                                                           |          |         |            |   |            |           |
| Instance        | <pre> &lt;kommunikationsPartnerRoute&gt;   &lt;rollencode&gt;{1,1}&lt;/rollencode&gt;   &lt;ip&gt;{1,1}&lt;/ip&gt;   &lt;port&gt;{1,1}&lt;/port&gt; &lt;/kommunikationsPartnerRoute&gt; </pre> |          |         |            |   |            |           |
| Source          | <code>&lt;xs:element name="kommunikationsPartnerRoute" type="tns:Kundenrolle_Type" minOccurs="1" maxOccurs="unbounded"/&gt;</code>                                                             |          |         |            |   |            |           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ah/types/2/XML-Schema_AH_Types.xsd                                                                         |          |         |            |   |            |           |