

Schema documentation for XML- Schema_KVP_DL_PV.xsd

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| Element tns:TXSMITA_Type / appSperrkandidat | 191 |
| Element tns:TXSANFSYMK_Type / keySperrkandidatsym | 191 |
| Element tns:TXSANFASYMK_Type / keySperrkandidatasym | 192 |
| Element tns:TXSFREIMITSYMK_Type / keySperrkandidatsym | 192 |
| Element tns:TXSFREIMITASYMK_Type / keySperrkandidatasym | 193 |
| Element tns:TXSMITSYMK_Type / keySperrkandidatsym | 193 |
| Element tns:TXSMITASYMK_Type / keySperrkandidatasym | 193 |
| Element tns:TXSNAWA_Req_Type / samSperrkandidat | 194 |
| Element tns:TXSNAWA_Req_Type / orgSperrkandidat | 194 |
| Element tns:TXSNAWA_Req_Type / zyklusNummer | 194 |
| Element tns:TXSNAWA_Req_Type / sperrtransaktionApplikation | 195 |
| Element tns:TXSNAWA_Req_Type / appNmTransaktionMAC | 195 |
| Element tns:TXSNAWB_Req_Type / samSperrkandidat | 195 |
| Element tns:TXSNAWB_Req_Type / orgSperrkandidat | 196 |
| Element tns:TXSNAWB_Req_Type / zyklusNummer | 196 |
| Element tns:TXSNAWB_Req_Type / sperrtransaktionBerechtigung | 197 |
| Element tns:TXSNAWB_Req_Type / berNmTransaktionMAC | 197 |

Resource hierarchy:

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

XML-Schema_KVP_DL_PV.xsd

 XML-Schema_Common_Types.xsd

- XML-Schema_KA_Common.xsd
- XML-Schema_Common_Types.xsd
- XML-Schema_ION.xsd
- XML-Schema_Common_Types.xsd
- XML-Schema_KA_Common.xsd
- XML-Schema_Common_Types.xsd

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

Schema(s)

Main schema XML-Schema_KVP_DL_PV.xsd

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Properties | attribute form default: unqualified |
| | element form default: qualified |
| | version: 1.10.0 |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element(s)

Element tns:NmTransaktion_ID_Type / tns:samSequenznummer

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | <pre> graph LR A[samSequenznummer Type: tns:samSequenznummer] --> B[ct:SequenceNumberFour] </pre> |
| Type | tns:SequenceNumberFour |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT4 tns:SequenceNumberFour |
| Properties | content: simple |
| Facets | maxInclusive 4294967295 |
| | minInclusive 0 |
| Source | <xs:element name="samSequenznummer" type="tns:SequenceNumberFour"/> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:NmTransaktion_ID_Type / tns:SAM_ID.samNummer

| | |
|----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | <pre> graph LR A[SAM_ID.samNummer Type: tns:SAM_ID_Type] --> B[ion:SAM_ID_Type] </pre> |
| Type | tns:SAM_ID_Type |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT3 tns:ReferenceNumberThree tns:SAM_ID_Type |
| Properties | content: simple |

| | | |
|-----------------|---|----------|
| Facets | maxInclusive | 16777215 |
| | minInclusive | 0 |
| Source | <xs:element name="SAM_ID.samNumber" type="ion:SAM_ID_Type"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | |

Element tns:Mitnahme_Type / tns:mitnahmeTyp

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

Element tns:Mitnahme_Type / tns:mitnahmeAnzahl

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

Element tns:Linie_ID_Type / tns:linienNummer

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

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

Element tns:Linie_ID_Type / tns:linieDomaene_ID

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Organisation_ID |
| Type hierarchy | <ul style="list-style-type: none"> • xs:unsignedInt • tns:INT2 • tns:ReferenceNumberTwo • tns:Organisation_ID |
| Properties | content: simple |
| Facets | maxInclusive 65535 |
| | minInclusive 0 |
| Source | <code><xs:element name="linieDomaene_ID" type="ka:Organisation_ID" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:LinieVariante_ID_Type / tns:variantenNummer

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

Element tns:LinieVariante_ID_Type / tns:linie_ID

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

| | |
|-----------------|---|
| Diagram | |
| Type | tns:Linie_ID_Type |
| Properties | content: complex |
| Model | tns:linienNummer , tns:linieDomaene_ID |
| Children | tns:linieDomaene_ID, tns:linienNummer |
| Instance | <pre><tns:linie_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:linienNummer>{1,1}</tns:linienNummer> <tns:linieDomaene_ID>{1,1}</tns:linieDomaene_ID> </tns:linie_ID></pre> |
| Source | <pre><xs:element name="linie_ID" type="tns:Linie_ID_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:Fahrt_ID_Type / tns:fahrtNummer

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:ReferenceNumberThree |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT3 tns:ReferenceNumberThree |
| Properties | content: simple |
| Facets | maxInclusive 16777215 minInclusive 0 |
| Source | <pre><xs:element name="fahrtNummer" type="tns:ReferenceNumberThree" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:Fahrt_ID_Type / tns:fahrtBetreiber_ID

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Organisation_ID |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo tns:Organisation_ID |
| Properties | content: simple |
| Facets | maxInclusive 65535 minInclusive 0 |
| Source | <pre><xs:element name="fahrtBetreiber_ID" type="ka:Organisation_ID" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:efsViaOrtsListe_Type** / **tns:efsViaort_ID**

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

Element **tns:TX_PP_Type** / **tns:ppLeistungsPreis**

| | | | | | |
|-----------------|---|--------------|--------|--------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Diagram | | | | | |
| Type | tns:Amount65535 | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:Amount65535 | | | | |
| 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><xs:element name="ppLeistungsPreis" type="tns:Amount65535"/></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Element **tns:TX_PP_Type** / **tns:ppMehrwertsteuer**

| | | | | | |
|-----------------|---|--------------|--------|--------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Diagram | | | | | |
| Type | tns:INT2 | | | | |
| Properties | <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><xs:element name="ppMehrwertsteuer" type="ct:INT2"/></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Element **tns:TX_BERLOG_Type** / **tns:berLogLinieVariante_ID**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:LinieVariante_ID_Type |
| Properties | content: complex |
| Model | tns:variantenNummer , tns:linie_ID |
| Children | tns:linie_ID, tns:variantenNummer |
| Instance | <pre><tns:berLogLinieVariante_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:variantenNummer>{1,1}</tns:variantenNummer> <tns:linie_ID>{1,1}</tns:linie_ID> </tns:berLogLinieVariante_ID></pre> |
| Source | <pre><xs:element name="berLogLinieVariante_ID" type="tns:LinieVariante_ID_Type"/></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TX_BERLOG_Type** / **tns:berLogFahrt_ID**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Fahrt_ID_Type |
| Properties | content: complex |
| Model | tns:fahrtNummer , tns:fahrtBetreiber_ID |
| Children | tns:fahrtBetreiber_ID, tns:fahrtNummer |
| Instance | <pre><tns:berLogFahrt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:fahrtNummer>{1,1}</tns:fahrtNummer> <tns:fahrtBetreiber_ID>{1,1}</tns:fahrtBetreiber_ID> </tns:berLogFahrt_ID></pre> |
| Source | <pre><xs:element name="berLogFahrt_ID" type="tns:Fahrt_ID_Type"/></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TX_LOG_Type** / **tns:logTransaktionsoperator_ID**

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

| | | |
|-----------------|---|-------|
| Facets | maxInclusive | 65535 |
| | minInclusive | 0 |
| Source | <xs:element name="logTransaktionsoperator_ID" type="ka:Organisation_ID"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | |

Element tns:TX_LOG_Type / tns:logTransaktionsZeitpunkt_ID

| | | |
|-----------------|---|---------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | |
| Diagram | | |
| Type | tns:DateTimeCompact | |
| Properties | content: | simple |
| Facets | maxInclusive | 2117-12-31T23:59:58 |
| | minInclusive | 1990-01-01T00:00:00 |
| Source | <xs:element name="logTransaktionsZeitpunkt_ID" type="ct:DateTimeCompact"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | |

Element tns:TX_LOG_Type / tns:logTransaktionsort_ID

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

Element tns:TX_LOG_Type / tns:logTransaktionsTyp_ID

| | | |
|----------------|--|--------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | |
| Diagram | | |
| Type | tns:NmTransaktionsTyp_CODE | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:NmTransaktionsTyp_CODE | |
| Properties | content: | simple |
| Facets | maxInclusive | 255 |

| | | | |
|-----------------|---|----|--|
| | minInclusive | 0 | |
| | enumeration | 0 | Keine Angabe |
| | enumeration | 1 | Ausgabetransaktion - Applikation oder Berechtigung |
| | enumeration | 2 | Entwertung |
| | enumeration | 11 | CI |
| | enumeration | 12 | CO |
| | enumeration | 15 | Einzahlung - Berechtigung |
| | enumeration | 16 | CI nach Fahrtfortsetzung |
| | enumeration | 18 | NTP Aendern |
| | enumeration | 20 | Sperrtransaktion Applikation oder Berechtigung |
| | enumeration | 21 | Entsperrtransaktion Applikation oder Berechtigung |
| | enumeration | 22 | BI |
| | enumeration | 23 | BO |
| | enumeration | 24 | INOUT |
| | enumeration | 25 | Rueckgabetransaktion - Applikation oder Berechtigung |
| | enumeration | 27 | Kontrolle |
| | enumeration | 28 | Belastungstransaktion - Berechtigung und Gutschriften bei Rueckzahlung (POB/PEB/WEB) |
| | enumeration | 29 | Belastungstransaktion WEB mit Autoload |
| | enumeration | 30 | WEB Buchung(Laden/Entladen) |
| | enumeration | 31 | WEB-CI mit Autoload |
| | enumeration | 32 | WEB-CO mit Autoload |
| | enumeration | 33 | Kontrolle nach CI; BIBO oder Entwertung |
| | enumeration | 34 | Check personal (CPKontrolldatensatz fuer Kontrollterminal) |
| | enumeration | 35 | Auto CO |
| | enumeration | 36 | manuelles CO (nachtraeglich durch den Nutzer) |
| | enumeration | 37 | Ausgabe EFS ueber Aktionsliste |
| | enumeration | 38 | Entsperrtransaktion EFS ueber Aktionsliste |
| | enumeration | 39 | Rückgabetransaktion EFS ueber Aktionsliste |
| Source | <xs:element name="logTransaktionsTyp_ID" type="ion:NmTransaktionsTyp_CODE" /> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | |

Element tns:TX_AFBLOG_Type / tns:afbLogFahrgastTyp

| | | | |
|----------------|---|--------|-------------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Diagram | <pre> classDiagram class afbLogFahrgastTyp { Type tns:Kundentyp_CODE_Type } afbLogFahrgastTyp --> tns:Kundentyp_CODE_Type </pre> | | |
| Type | tns:Kundentyp_CODE_Type | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT1 <ul style="list-style-type: none"> tns:Kundentyp_CODE_Type | | |
| Properties | content: | simple | |
| Facets | maxInclusive | 255 | |
| | minInclusive | 0 | |
| | enumeration | 0 | nicht spezifiziert/unbestimmt |
| | enumeration | 1 | Erwachsener |
| | enumeration | 2 | Kind |

| | | | |
|-----------------|---|----|------------------------------------|
| | enumeration | 3 | Student |
| | enumeration | 5 | Behinderter |
| | enumeration | 6 | Sehbehinderter |
| | enumeration | 7 | Hoergeschaedigter |
| | enumeration | 8 | Arbeitsloser/Sozialhilfeempfaenger |
| | enumeration | 9 | Personal |
| | enumeration | 10 | Militaeranhehoeriger |
| | enumeration | 19 | Schueler |
| | enumeration | 20 | Azubi |
| | enumeration | 25 | Senior |
| Source | <xs:element name="afbLogFahrgastTyp" type="tns:Kundentyp_CODE_Type" /> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | |

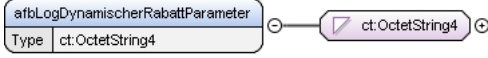
Element tns:TX_AFBLOG_Type / tns:afbLogVerkehrsmittelart

| | | | |
|-----------------|---|--------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Diagram | | | |
| Type | tns:Transportserviceart_CODE_Type | | |
| Type hierarchy | <ul style="list-style-type: none">• xs:unsignedInt<ul style="list-style-type: none">• tns:INT1<ul style="list-style-type: none">• tns:TransportTypeCode_Type<ul style="list-style-type: none">• tns:Transportserviceart_CODE_Type | | |
| Properties | content: | simple | |
| Facets | maxInclusive | 255 | |
| | minInclusive | 0 | |
| Source | <xs:element name="afbLogVerkehrsmittelart" type="tns:Transportserviceart_CODE_Type" /> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | |

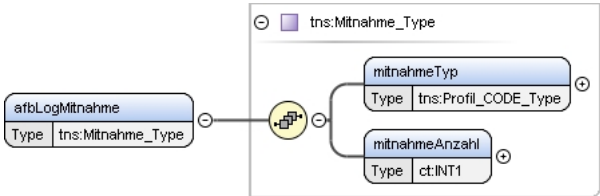
Element tns:TX_AFBLOG_Type / tns:afbLogServiceKlasse

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

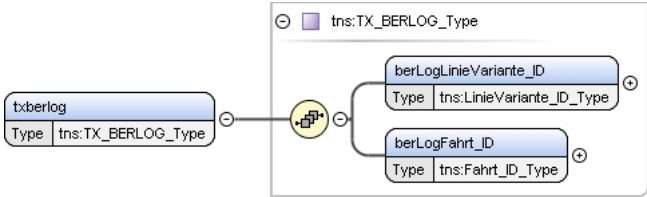
Element **tns:TX_AFBLOG_Type** / **tns:afbLogDynamischerRabattParameter**

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

Element **tns:TX_AFBLOG_Type** / **tns:afbLogMitnahme**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:Mitnahme_Type |
| Properties | content: complex minOccurs: 1 maxOccurs: unbounded |
| Model | tns:mitnahmeTyp, tns:mitnahmeAnzahl |
| Children | tns:mitnahmeAnzahl, tns:mitnahmeTyp |
| Instance | <pre><tns:afbLogMitnahme xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:mitnahmeTyp>{1,1}</tns:mitnahmeTyp> <tns:mitnahmeAnzahl>{1,1}</tns:mitnahmeAnzahl> </tns:afbLogMitnahme></pre> |
| Source | <pre><xs:element name="afbLogMitnahme" type="tns:Mitnahme_Type" minOccurs="1" maxOccurs="unbounded"/></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TX_AFBLOG_Type** / **tns:txberlog**

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

| | |
|-----------------|---|
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|-----------------|---|

Element **tns:TX_AFBLOG_Type** / **tns:txlog**

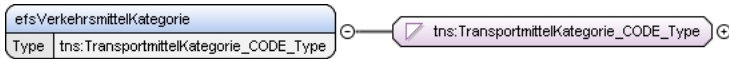
| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:TX_LOG_Type |
| Properties | content: complex |
| Model | tns:logTransaktionsoperator_ID , tns:logTransaktionsZeitpunkt_ID , tns:logTransaktionsort_ID , tns:logTransaktionsTyp_ID |
| Children | tns:logTransaktionsTyp_ID , tns:logTransaktionsZeitpunkt_ID , tns:logTransaktionsoperator_ID , tns:logTransaktionsort_ID |
| Instance | <pre><tns:txlog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:logTransaktionsoperator_ID>{1,1}</tns:logTransaktionsoperator_ID> <tns:logTransaktionsZeitpunkt_ID>{1,1}</tns:logTransaktionsZeitpunkt_ID> <tns:logTransaktionsort_ID>{1,1}</tns:logTransaktionsort_ID> <tns:logTransaktionsTyp_ID>{1,1}</tns:logTransaktionsTyp_ID> </tns:txlog></pre> |
| Source | <xs:element name="txlog" type="tns:TX_LOG_Type" /> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TX_EFSLOG_Type** / **tns:efsFahrgastTyp**

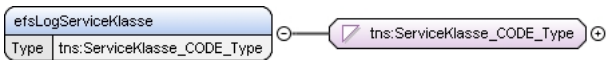
| | | | |
|----------------|---|--------|------------------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Diagram | <pre>classDiagram class efsFahrgastTyp { tns:Kundentyp_CODE_Type } efsFahrgastTyp --> tns:Kundentyp_CODE_Type</pre> | | |
| Type | tns:Kundentyp_CODE_Type | | |
| Type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

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

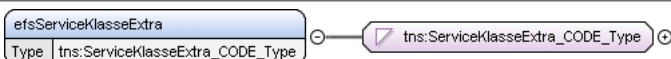
Element tns:TX_EFSLOG_Type / tns:efsVerkehrsmittelKategorie

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

Element tns:TX_EFSLOG_Type / tns:efsLogServiceKlasse

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

Element tns:TX_EFSLOG_Type / tns:efsServiceKlasseExtra

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

| | |
|-----------------|---|
| | <ul style="list-style-type: none"> • tns:INT1 • tns:ServiceKlasseExtra_CODE_Type |
| Properties | content: simple |
| Facets | maxInclusive 255 |
| | minInclusive 0 |
| | enumeration 0 nicht spezifiziert/unbestimmt |
| | enumeration 1 Fruehstueck |
| | enumeration 2 Mittagessen |
| | enumeration 3 Abendessen |
| | enumeration 4 Buffet |
| | enumeration 5 Imbiss |
| Source | <code><xs:element name="efsServiceKlasseExtra" type="tns:ServiceKlasseExtra_CODE_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TX_EFSLOG_Type / tns:efsStartort_ID

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Ort_ID_Type |
| Properties | content: complex |
| Model | ortTyp , ortNummer , ortDomaene_ID |
| Children | ortDomaene_ID, ortNummer, ortTyp |
| Instance | <pre><tns:efsStartort_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <ortTyp>{1,1}</ortTyp> <ortNummer>{1,1}</ortNummer> <ortDomaene_ID>{1,1}</ortDomaene_ID> </tns:efsStartort_ID></pre> |
| Source | <code><xs:element name="efsStartort_ID" type="ion:Ort_ID_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TX_EFSLOG_Type / tns:efsZielort_ID

| | |
|------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Ort_ID_Type |
| Properties | content: complex |
| Model | ortTyp , ortNummer , ortDomaene_ID |
| Children | ortDomaene_ID, ortNummer, ortTyp |
| Instance | <pre><tns:efsZielort_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <ortTyp>{1,1}</ortTyp> <ortNummer>{1,1}</ortNummer> <ortDomaene_ID>{1,1}</ortDomaene_ID></pre> |

| | |
|-----------------|---|
| | <code></tns:efsZielort_ID></code> |
| Source | <code><xs:element name="efsZielort_ID" type="ion:Ort_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TX_EFSLOG_Type** / **tns:efsViaOrte_IDs**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:EFSViaOrtsListe_Type |
| Properties | content: complex |
| Model | tns:efsViaort_ID{0,3} |
| Children | tns:efsViaort_ID |
| Instance | <pre><tns:efsViaOrte_IDs xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:efsViaort_ID>{0,3}</tns:efsViaort_ID> </tns:efsViaOrte_IDs></pre> |
| Source | <code><xs:element name="efsViaOrte_IDs" type="tns:EFSViaOrtsListe_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TX_EFSLOG_Type** / **tns:efsLogMitnahme**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Mitnahme_Type |
| Properties | content: complex minOccurs: 1 maxOccurs: unbounded |
| Model | tns:mitnahmeTyp , tns:mitnahmeAnzahl |
| Children | tns:mitnahmeAnzahl, tns:mitnahmeTyp |
| Instance | <pre><tns:efsLogMitnahme xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:mitnahmeTyp>{1,1}</tns:mitnahmeTyp> <tns:mitnahmeAnzahl>{1,1}</tns:mitnahmeAnzahl> </tns:efsLogMitnahme></pre> |
| Source | <code><xs:element name="efsLogMitnahme" type="tns:Mitnahme_Type" minOccurs="1" maxOccurs="unbounded" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TX_EFSLOG_Type** / **tns:txberlog**

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

| | |
|-----------------|---|
| Type | tns:TX_BERLOG_Type |
| Properties | content: complex |
| Model | tns:berLogLinieVariante_ID , tns:berLogFahrt_ID |
| Children | tns:berLogFahrt_ID, tns:berLogLinieVariante_ID |
| Instance | <pre><tns:txberlog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:berLogLinieVariante_ID>{1,1}</tns:berLogLinieVariante_ID> <tns:berLogFahrt_ID>{1,1}</tns:berLogFahrt_ID> </tns:txberlog></pre> |
| Source | <code><xs:element name="txberlog" type="tns:TX_BERLOG_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TX_EFSLOG_Type / tns:txlog

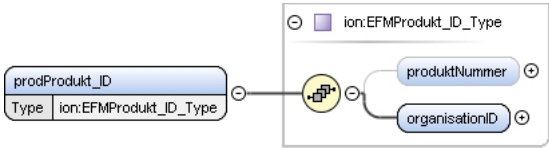
| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:TX_LOG_Type |
| Properties | content: complex |
| Model | tns:logTransaktionsoperator_ID , tns:logTransaktionsZeitpunkt_ID , tns:logTransaktionsort_ID , tns:logTransaktionsTyp_ID |
| Children | tns:logTransaktionsTyp_ID, tns:logTransaktionsZeitpunkt_ID, tns:logTransaktionsoperator_ID, tns:logTransaktionsort_ID |
| Instance | <pre><tns:txlog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:logTransaktionsoperator_ID>{1,1}</tns:logTransaktionsoperator_ID> <tns:logTransaktionsZeitpunkt_ID>{1,1}</tns:logTransaktionsZeitpunkt_ID> <tns:logTransaktionsort_ID>{1,1}</tns:logTransaktionsort_ID> <tns:logTransaktionsTyp_ID>{1,1}</tns:logTransaktionsTyp_ID> </tns:txlog></pre> |
| Source | <code><xs:element name="txlog" type="tns:TX_LOG_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TX_ABKEY_Type / tns:berAbleitungsdaten

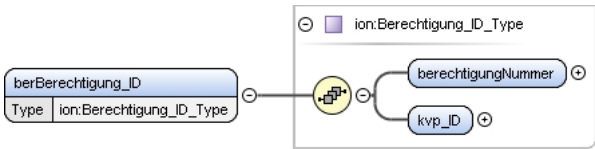
| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:OctetString10 |
| Properties | content: simple |
| Facets | length 10 |
| Source | <code><xs:element name="berAbleitungsdaten" type="ct:OctetString10" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXASBER_Type / tns:prodProdukt_ID

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

| | |
|-----------------|---|
| Diagram |  |
| Type | tns:EFMProdukt_ID_Type |
| Properties | content: complex |
| Model | produktNummer{0,1} , organisationID |
| Children | organisationID, produktNummer |
| Instance | <pre><tns:prodProdukt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <produktNummer>{0,1}</produktNummer> <organisationID>{1,1}</organisationID> </tns:prodProdukt_ID></pre> |
| Source | <pre><xs:element name="prodProdukt_ID" type="ion:EFMProdukt_ID_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXASBER_Type / tns:berBerechtigung_ID

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

Element tns:TXASBER_Type / tns:transSelektionKriterien

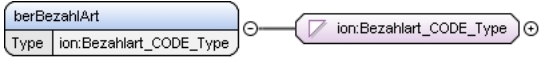
| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:SelektionKriterien_Type |
| Type hierarchy | <ul style="list-style-type: none"> xs:dateTime tns:DateTime tns:SelektionKriterien_Type |
| Properties | content: simple |
| Source | <pre><xs:element name="transSelektionKriterien" type="tns:SelektionKriterien_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXANLN_Type / tns:prodAbrechnungsverfahren

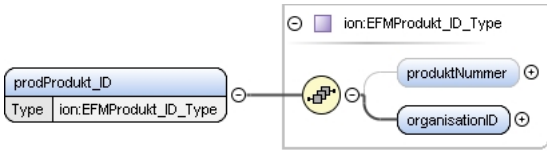
| | |
|-----------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
|-----------|---------------------------|

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

Element tns:TXANLN_Type / tns:berBezahlArt

| | | | | | |
|-----------------|---|--------------|-----|--------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Diagram |  | | | | |
| Type | tns:Bezahlart_CODE_Type | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:Bezahlart_CODE_Type | | | | |
| Properties | content: simple | | | | |
| Facets | <table border="1"> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table> | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive | 255 | | | | |
| minInclusive | 0 | | | | |
| Source | <code><xs:element name="berBezahlArt" type="ion:Bezahlart_CODE_Type"/></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Element tns:TXANLN_Type / tns:prodProdukt_ID

| | |
|------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:EFMProdukt_ID_Type |
| Properties | content: complex |
| Model | produktNummer{0,1} , organisationID |
| Children | organisationID, produktNummer |
| Instance | <code><tns:prodProdukt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <produktNummer>{0,1}</produktNummer> <organisationID>{1,1}</organisationID> </tns:prodProdukt_ID></code> |
| Source | <code><xs:element name="prodProdukt_ID" type="ion:EFMProdukt_ID_Type"/></code> |

| | |
|-----------------|---|
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|-----------------|---|

Element **tns:TXANLN_Type** / **tns:berBerechtigung_ID**

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

Element **tns:TXANLN_Type** / **tns:transSelektionKriterien**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:SelektionKriterien_Type |
| Type hierarchy | <ul style="list-style-type: none"> xs:dateTime tns:DateTime tns:SelektionKriterien_Type |
| Properties | content: simple |
| Source | <pre><xs:element name="transSelektionKriterien" type="tns:SelektionKriterien_Type"/></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXANLN_Type** / **tns:txpp**

| | |
|------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:TX_PP_Type |
| Properties | content: complex |
| Model | tns:ppLeistungsPreis , tns:ppMehrwertsteuer |
| Children | tns:ppLeistungsPreis, tns:ppMehrwertsteuer |
| Instance | <pre><tns:txpp xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:ppLeistungsPreis>{1,1}</tns:ppLeistungsPreis> <tns:ppMehrwertsteuer>{1,1}</tns:ppMehrwertsteuer> </tns:txpp></pre> |

| | |
|-----------------|---|
| Source | <code><xs:element name="txpp" type="tns:TX_PP_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXANLN_Type** / **tns:txafblogin**

| | | | | | | | |
|-----------------|--|----------|---------|------------|---|------------|-----------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | | | |
| Diagram | | | | | | | |
| Type | tns:TX_AFBLOG_Type | | | | | | |
| Properties | <table> <tr><td>content:</td><td>complex</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>unbounded</td></tr> </table> | content: | complex | minOccurs: | 1 | maxOccurs: | unbounded |
| content: | complex | | | | | | |
| minOccurs: | 1 | | | | | | |
| maxOccurs: | unbounded | | | | | | |
| Model | tns:afbLogFahrgastTyp, tns:afbLogVerkehrsmittelart, tns:afbLogServiceKlasse, tns:afbLogDynamischerRabattParameter, tns:afbLogMitnahme, tns:txberlog, tns:txlog | | | | | | |
| Children | tns:afbLogDynamischerRabattParameter, tns:afbLogFahrgastTyp, tns:afbLogMitnahme, tns:afbLogServiceKlasse, tns:afbLogVerkehrsmittelart, tns:txberlog, tns:txlog | | | | | | |
| Instance | <pre><tns:txafblogin xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:afbLogFahrgastTyp>{1,1}</tns:afbLogFahrgastTyp> <tns:afbLogVerkehrsmittelart>{1,1}</tns:afbLogVerkehrsmittelart> <tns:afbLogServiceKlasse>{1,1}</tns:afbLogServiceKlasse> <tns:afbLogDynamischerRabattParameter>{1,1}</tns:afbLogDynamischerRabattParameter> <tns:afbLogMitnahme>{1,unbounded}</tns:afbLogMitnahme> <tns:txberlog>{1,1}</tns:txberlog> <tns:txlog>{1,1}</tns:txlog> </tns:txafblogin></pre> | | | | | | |
| Source | <code><xs:element name="txafblogin" type="tns:TX_AFBLOG_Type" minOccurs="1" maxOccurs="unbounded"/></code> | | | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | | | |

Element **tns:TXAUSEFS_Type** / **tns:prodAbrechnungsverfahren**

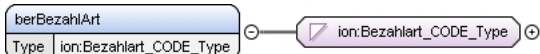
| | | | |
|----------------|--|--------------|--------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Diagram | | | |
| Type | tns:Abrechnungsverfahren_CODE_Type | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:Abrechnungsverfahren_CODE_Type | | |
| Properties | <table> <tr><td>content:</td><td>simple</td></tr> </table> | content: | simple |
| content: | simple | | |
| Facets | <table> <tr><td>maxInclusive</td><td>255</td></tr> </table> | maxInclusive | 255 |
| maxInclusive | 255 | | |

| | | | |
|-----------------|---|---|--------------|
| | minInclusive | 0 | |
| | enumeration | 0 | Keine Angabe |
| | enumeration | 1 | Pre-Paid |
| | enumeration | 2 | Post-Paid |
| | enumeration | 3 | Trip-Paid |
| Source | <xs:element name="prodAbrechnungsverfahren" type="ion:Abrechnungsverfahren_CODE_Type" /> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | |

Element tns:TXAUSEFS_Type / tns:berBezahlMittel

| | | | |
|-----------------|---|--------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Diagram | <pre>graph LR; A[berBezahlMittel Type: ct:OctetString10] --- B[ct:OctetString10];</pre> | | |
| Type | tns:OctetString10 | | |
| Properties | content: | simple | |
| Facets | length | 10 | |
| Source | <xs:element name="berBezahlMittel" type="ct:OctetString10" /> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | |

Element tns:TXAUSEFS_Type / tns:berBezahlArt

| | | | |
|-----------------|---|--------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Diagram |  | | |
| Type | tns:Bezahlart_CODE_Type | | |
| Type hierarchy | <ul style="list-style-type: none">• xs:unsignedInt<ul style="list-style-type: none">• tns:INT1<ul style="list-style-type: none">• tns:Bezahlart_CODE_Type | | |
| Properties | content: | simple | |
| Facets | maxInclusive | 255 | |
| | minInclusive | 0 | |
| Source | <xs:element name="berBezahlArt" type="ion:Bezahlart_CODE_Type" /> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | |

Element tns:TXAUSEFS_Type / tns:prodProdukt_ID

| | |
|------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | <p>The diagram shows a class <code>prodProdukt_ID</code> with a type <code>ion:EFMProdukt_ID_Type</code>. It is connected to a yellow circle representing the <code>ion:EFMProdukt_ID_Type</code> type. This circle is then connected to two attributes: <code>produktNummer</code> and <code>organisationID</code>, both of which have their own type indicators.</p> |
| Type | tns:EFMProdukt_ID_Type |
| Properties | content: complex |
| Model | produktNummer{0,1} , organisationID |
| Children | organisationID, produktNummer |
| Instance | <pre><tns:prodProdukt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <produktNummer>{0,1}</produktNummer> <organisationID>{1,1}</organisationID></pre> |

| | |
|-----------------|---|
| | <code></tns:prodProdukt_ID></code> |
| Source | <code><xs:element name="prodProdukt_ID" type="ion:EFMProdukt_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element `tns:TXAUSEFS_Type` / `tns:berBerechtigung_ID`

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

Element `tns:TXAUSEFS_Type` / `tns:transSelektionKriterien`

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | <code>tns:SelektionKriterien_Type</code> |
| Type hierarchy | <ul style="list-style-type: none"> • <code>xs:dateTime</code> • <code>tns:DateTime</code> • <code>tns:SelektionKriterien_Type</code> |
| Properties | content: simple |
| Source | <code><xs:element name="transSelektionKriterien" type="tns:SelektionKriterien_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element `tns:TXAUSEFS_Type` / `tns:txpp`

| | |
|------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | <code>tns:TX_PP_Type</code> |
| Properties | content: complex |
| Model | <code>tns:ppLeistungsPreis</code> , <code>tns:ppMehrwertsteuer</code> |
| Children | <code>tns:ppLeistungsPreis</code> , <code>tns:ppMehrwertsteuer</code> |
| Instance | <pre><tns:txpp xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:ppLeistungsPreis>{1,1}</tns:ppLeistungsPreis></pre> |

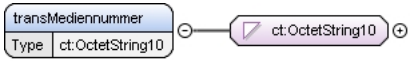
| | |
|-----------------|---|
| | <code><tns:ppMehrwertsteuer>{1,1}</tns:ppMehrwertsteuer> </tns:txpp></code> |
| Source | <code><xs:element name="txpp" type="tns:TX_PP_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXAUSEFS_Type / tns:txefslog

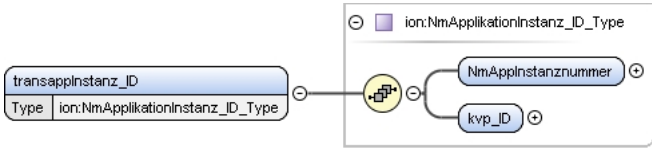
| | | | | | | | |
|-----------------|---|----------|---------|------------|---|------------|-----------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | | | |
| Diagram | | | | | | | |
| Type | tns:TX_EFSLOG_Type | | | | | | |
| Properties | <table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table> | content: | complex | minOccurs: | 1 | maxOccurs: | unbounded |
| content: | complex | | | | | | |
| minOccurs: | 1 | | | | | | |
| maxOccurs: | unbounded | | | | | | |
| Model | tns:efsFahrgastTyp, tns:efsVerkehrsmittelKategorie, tns:efsLogServiceKlasse, tns:efsServiceKlasseExtra, tns:efsStartort_ID, tns:efsZielort_ID, tns:efsViaOrte_IDs, tns:efsLogMitnahme+, tns:txberlog, tns:txlog | | | | | | |
| Children | tns:efsFahrgastTyp, tns:efsLogMitnahme, tns:efsLogServiceKlasse, tns:efsServiceKlasseExtra, tns:efsStartort_ID, tns:efsVerkehrsmittelKategorie, tns:efsViaOrte_IDs, tns:efsZielort_ID, tns:txberlog, tns:txlog | | | | | | |
| Instance | <pre> <tns:txefslog xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:efsFahrgastTyp>{1,1}</tns:efsFahrgastTyp> <tns:efsVerkehrsmittelKategorie>{1,1}</tns:efsVerkehrsmittelKategorie> <tns:efsLogServiceKlasse>{1,1}</tns:efsLogServiceKlasse> <tns:efsServiceKlasseExtra>{1,1}</tns:efsServiceKlasseExtra> <tns:efsStartort_ID>{1,1}</tns:efsStartort_ID> <tns:efsZielort_ID>{1,1}</tns:efsZielort_ID> <tns:efsViaOrte_IDs>{1,1}</tns:efsViaOrte_IDs> <tns:efsLogMitnahme>{1,unbounded}</tns:efsLogMitnahme> <tns:txberlog>{1,1}</tns:txberlog> <tns:txlog>{1,1}</tns:txlog> </tns:txefslog> </pre> | | | | | | |
| Source | <code><xs:element name="txefslog" type="tns:TX_EFSLOG_Type" minOccurs="1" maxOccurs="unbounded"/></code> | | | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | | | |

Element tns:TXADM_Type / tns:transMediennummer

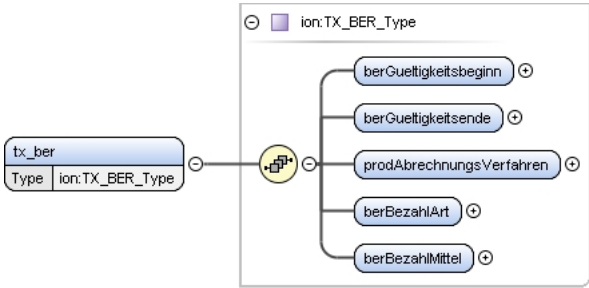
| | |
|-----------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
|-----------|---------------------------|

| | |
|-----------------|---|
| Diagram |  |
| Type | tns:OctetString10 |
| Properties | content: simple |
| Facets | length 10 |
| Source | <code><xs:element name="transMediennummer" type="ct:OctetString10"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

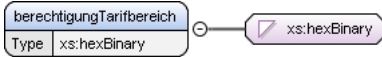
Element tns:TXADM_Type / tns:transappInstanz_ID

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:NmApplikationInstanz_ID_Type |
| Properties | content: complex |
| Model | NmAppInstanznummer , kvp_ID |
| Children | NmAppInstanznummer, kvp_ID |
| Instance | <code><tns:transappInstanz_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <NmAppInstanznummer>{1,1}</NmAppInstanznummer> <kvp_ID>{1,1}</kvp_ID> </tns:transappInstanz_ID></code> |
| Source | <code><xs:element name="transappInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |


Element tns:TXABER_Type / tns:tx_ber

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:TX_BER_Type |
| Properties | content: complex |
| Model | berGueltigkeitsbeginn , berGueltigkeitsende , prodAbrechnungsVerfahren , berBezahlArt , berBezahlMittel |
| Children | berBezahlArt, berBezahlMittel, berGueltigkeitsbeginn, berGueltigkeitsende, prodAbrechnungsVerfahren |
| Instance | <code><tns:tx_ber xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <berGueltigkeitsbeginn>{1,1}</berGueltigkeitsbeginn> <berGueltigkeitsende>{1,1}</berGueltigkeitsende> <prodAbrechnungsVerfahren>{1,1}</prodAbrechnungsVerfahren> <berBezahlArt>{1,1}</berBezahlArt> <berBezahlMittel>{1,1}</berBezahlMittel> </tns:tx_ber></code> |
| Source | <code><xs:element name="tx_ber" type="ion:TX_BER_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

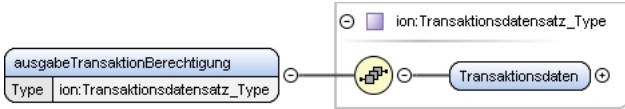
Element **tns:TXABER_Type** / **tns:berechtigungTarifbereich**

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

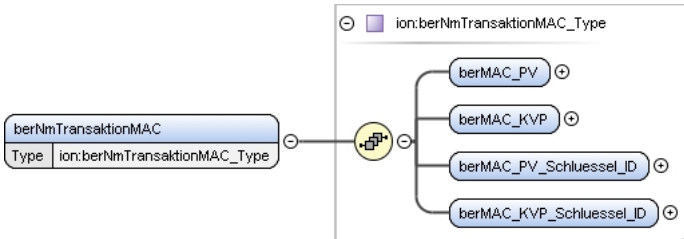
Element **tns:TXABER_Type** / **tns:berechtigungTarifbereichZusatz**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | xs:hexBinary |
| Properties | content: simple minOccurs: 0 |
| Source | <code><xs:element name="berechtigungTarifbereichZusatz" type="xs:hexBinary" minOccurs="0"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXABER_Type** / **tns:ausgabeTransaktionBerechtigung**

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:Transaktionsdatensatz_Type |
| Properties | content: complex |
| Model | Transaktionsdaten |
| Children | Transaktionsdaten |
| Instance | <code><tns:ausgabeTransaktionBerechtigung xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <Transaktionsdaten>{1,1}</Transaktionsdaten> </tns:ausgabeTransaktionBerechtigung></code> |
| Source | <code><xs:element name="ausgabeTransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXABER_Type** / **tns:berNmTransaktionMAC**

| | |
|------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:berNmTransaktionMAC_Type |
| Properties | content: complex |

| | |
|-----------------|---|
| Model | berMAC_PV , berMAC_KVP , berMAC_PV_Schlüssel_ID , berMAC_KVP_Schlüssel_ID |
| Children | berMAC_KVP, berMAC_KVP_Schlüssel_ID, berMAC_PV, berMAC_PV_Schlüssel_ID |
| Instance | <pre><tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <berMAC_PV>{1,1}</berMAC_PV> <berMAC_KVP>{1,1}</berMAC_KVP> <berMAC_PV_Schlüssel_ID>{1,1}</berMAC_PV_Schlüssel_ID> <berMAC_KVP_Schlüssel_ID>{1,1}</berMAC_KVP_Schlüssel_ID> </tns:berNmTransaktionMAC></pre> |
| Source | <code><xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXEBER_Type / tns:fahrttransaktion

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Transaktionsdatensatz_Type |
| Properties | content: complex |
| Model | Transaktionsdaten |
| Children | Transaktionsdaten |
| Instance | <pre><tns:fahrttransaktion xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <Transaktionsdaten>{1,1}</Transaktionsdaten> </tns:fahrttransaktion></pre> |
| Source | <code><xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXEBER_Type / tns:berNmTransaktionMAC

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:berNmTransaktionMAC_Type |
| Properties | content: complex |
| Model | berMAC_PV , berMAC_KVP , berMAC_PV_Schlüssel_ID , berMAC_KVP_Schlüssel_ID |
| Children | berMAC_KVP, berMAC_KVP_Schlüssel_ID, berMAC_PV, berMAC_PV_Schlüssel_ID |
| Instance | <pre><tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <berMAC_PV>{1,1}</berMAC_PV> <berMAC_KVP>{1,1}</berMAC_KVP> <berMAC_PV_Schlüssel_ID>{1,1}</berMAC_PV_Schlüssel_ID> <berMAC_KVP_Schlüssel_ID>{1,1}</berMAC_KVP_Schlüssel_ID> </tns:berNmTransaktionMAC></pre> |
| Source | <code><xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXAEBER_Type / tns:tx_ber

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

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

Element tns:TXAEBER_Type / tns:berechtigungTarifbereich

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

Element tns:TXAENBER_Type / tns:fahrttransaktion

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Transaktionsdatensatz_Type |
| Properties | content: complex |
| Model | Transaktionsdaten |
| Children | Transaktionsdaten |
| Instance | <pre><tns:fahrttransaktion xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <Transaktionsdaten>{1,1}</Transaktionsdaten> </tns:fahrttransaktion></pre> |
| Source | <code><xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXAENBER_Type / tns:berNmTransaktionMAC

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

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

Element tns:TXRBER_Type / tns:ruecknahmeTransaktionBerechtigung

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

Element tns:TXRBER_Type / tns:berNmTransaktionMAC

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

| | |
|-----------------|---|
| | <pre> <berMAC_PV>{1,1}</berMAC_PV> <berMAC_KVP>{1,1}</berMAC_KVP> <berMAC_PV_SchluesseID>{1,1}</berMAC_PV_SchluesseID> <berMAC_KVP_SchluesseID>{1,1}</berMAC_KVP_SchluesseID> </tns:berNmTransaktionMAC> </pre> |
| Source | <code><xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXAMBER_Type** / **tns:tx_abkey**

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

Element **tns:TXEMBER_Type** / **tns:tx_abkey**

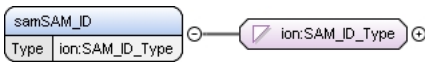
| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:TX_ABKEY_Type |
| Properties | content: complex |
| Model | tns:berAbleitungsdaten |
| Children | tns:berAbleitungsdaten |
| Instance | <pre> <tns:tx_abkey xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:berAbleitungsdaten>{1,1}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

Element **tns:TXRMBER_Type** / **tns:tx_abkey**

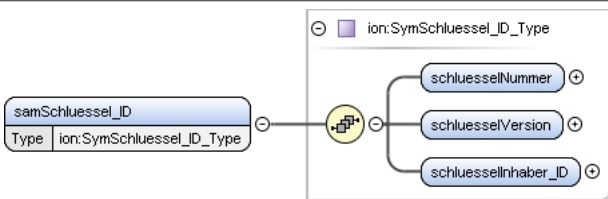
| | |
|------------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:TX_ABKEY_Type |
| Properties | content: complex |
| Model | tns:berAbleitungsdaten |

| | |
|-----------------|---|
| Children | tns:berAbleitungsdaten |
| Instance | <pre><tns:tx_abkey xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:berAbleitungsdaten>{1,1}</tns:berAbleitungsdaten> </tns:tx_abkey></pre> |
| Source | <pre><xs:element name="tx_abkey" type="tns:TX_ABKEY_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

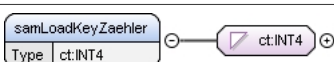
Element tns:TXASKON_Type / tns:samSAM_ID

| | | | | | |
|-----------------|---|--------------|----------|--------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Diagram |  | | | | |
| Type | tns:SAM_ID_Type | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT3 tns:ReferenceNumberThree tns:SAM_ID_Type | | | | |
| 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 | <pre><xs:element name="samSAM_ID" type="ion:SAM_ID_Type" /></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Element tns:TXASKON_Type / tns:samSchluessel_ID

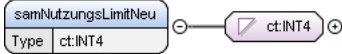
| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:SymSchluessel_ID_Type |
| Properties | content: complex |
| Model | schluesselNummer , schluesselVersion , schluesselInhaber_ID |
| Children | schluesselInhaber_ID, schluesselNummer, schluesselVersion |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

Element tns:TXASKON_Type / tns:samLoadKeyZaehler

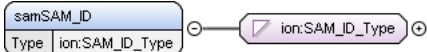
| | |
|-----------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:INT4 |

| | |
|-----------------|---|
| Properties | content: simple |
| Facets | maxInclusive 4294967295 |
| | minInclusive 0 |
| Source | <code><xs:element name="samLoadKeyZaehler" type="ct:INT4" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

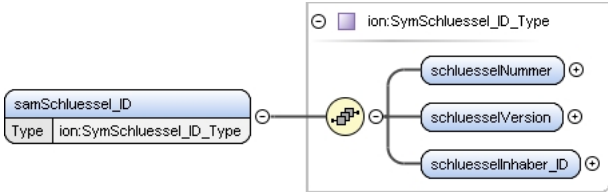
Element **tns:TXASKON_Type** / **tns:samNutzungsLimitNeu**

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

Element **tns:TXUEBERKON_Type** / **tns:samSAM_ID**

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

Element **tns:TXUEBERKON_Type** / **tns:samSchluessel_ID**

| | |
|------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:SymSchluessel_ID_Type |
| Properties | content: complex |
| Model | schluesselNummer , schluesselVersion , schluesselInhaber_ID |
| Children | schluesselInhaber_ID, schluesselNummer, schluesselVersion |

| | |
|-----------------|--|
| Instance | <pre><tns:samSchluessel_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <schluesselNummer>{1,1}</schluesselNummer> <schluesselVersion>{1,1}</schluesselVersion> <schluesselInhaber_ID>{1,1}</schluesselInhaber_ID> </tns:samSchluessel_ID></pre> |
| Source | <code><xs:element name="samSchluessel_ID" type="ion:SymSchluessel_ID_Type" /></code> |
| Schema location | file:C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element `tns:TXUEBERKON_Type` / `tns:samLoadKeyZaehler`

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

Element `tns:TXUEBERKON_Type` / `tns:samNutzungsLimitGen`

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

Element `tns:TXBEKODL_Type` / `tns:berBerechtigung_ID`

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

Element **tns:TXBEKODL_Type** / **tns:txpp**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:TX_PP_Type |
| Properties | content: complex |
| Model | tns:ppLeistungsPreis , tns:ppMehrwertsteuer |
| Children | tns:ppLeistungsPreis, tns:ppMehrwertsteuer |
| Instance | <pre><tns:txpp xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:ppLeistungsPreis>{1,1}</tns:ppLeistungsPreis> <tns:ppMehrwertsteuer>{1,1}</tns:ppMehrwertsteuer> </tns:txpp></pre> |
| Source | <pre><xs:element name="txpp" type="tns:TX_PP_Type"/></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXBEKODL_Type** / **tns:fahrttransaktion**

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

Element **tns:TXBEKODL_Type** / **tns:berNmTransaktionMAC**

| | |
|------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:berNmTransaktionMAC_Type |
| Properties | content: complex |
| Model | berMAC_PV , berMAC_KVP , berMAC_PV_Schlüssel_ID , berMAC_KVP_Schlüssel_ID |
| Children | berMAC_KVP, berMAC_KVP_Schlüssel_ID, berMAC_PV, berMAC_PV_Schlüssel_ID |

| | |
|-----------------|---|
| Instance | <pre><tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <berMAC_PV>{1,1}</berMAC_PV> <berMAC_KVP>{1,1}</berMAC_KVP> <berMAC_PV_Schluesel_ID>{1,1}</berMAC_PV_Schluesel_ID> <berMAC_KVP_Schluesel_ID>{1,1}</berMAC_KVP_Schluesel_ID> </tns:berNmTransaktionMAC></pre> |
| Source | <pre><xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXBEWEBKOKVP_Type / tns:belastungstransaktionBerechtigung

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

Element tns:TXBEWEBKOKVP_Type / tns:berNmTransaktionMAC

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

Element tns:TXGKO_Type / tns:belastungstransaktionBerechtigung

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

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

Element tns:TXGKO_Type / tns:berNmTransaktionMAC

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:berNmTransaktionMAC_Type |
| Properties | content: complex |
| Model | berMAC_PV , berMAC_KVP , berMAC_PV_Schlüssel_ID , berMAC_KVP_Schlüssel_ID |
| Children | berMAC_KVP, berMAC_KVP_Schlüssel_ID, berMAC_PV, berMAC_PV_Schlüssel_ID |
| Instance | <pre><tns:berNmTransaktionMAC xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <berMAC_PV>{1,1}</berMAC_PV> <berMAC_KVP>{1,1}</berMAC_KVP> <berMAC_PV_Schlüssel_ID>{1,1}</berMAC_PV_Schlüssel_ID> <berMAC_KVP_Schlüssel_ID>{1,1}</berMAC_KVP_Schlüssel_ID> </tns:berNmTransaktionMAC></pre> |
| Source | <pre><xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXGWEB_Type / tns:belastungstransaktionBerechtigung

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

Element tns:TXGWEB_Type / tns:berNmTransaktionMAC

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

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

Element tns:TXKNAWA_Type / tns:logTransaktionsOperator_ID

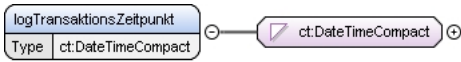
| | | | | | |
|-----------------|---|--------------|-------|--------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Diagram | | | | | |
| Type | tns:ReferenceNumberTwo | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo | | | | |
| 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><xs:element name="logTransaktionsOperator_ID" type="ct:ReferenceNumberTwo"/></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Element tns:TXKNAWA_Type / tns:logTerminal_ID

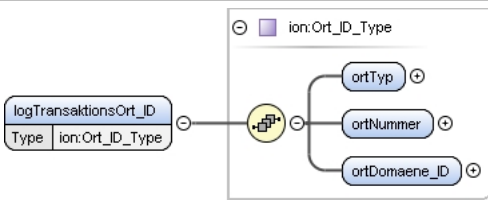
| | |
|------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Terminal_ID_Type |
| Properties | content: complex |
| Model | terminalTyp , terminalNumber , terminalOwner_ID |
| Children | terminalNumber, terminalOwner_ID, terminalTyp |
| Instance | <pre><tns:logTerminal_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <terminalTyp>{1,1}</terminalTyp> <terminalNumber>{1,1}</terminalNumber> <terminalOwner_ID>{1,1}</terminalOwner_ID></pre> |

| | |
|-----------------|---|
| | <code></tns:logTerminal_ID></code> |
| Source | <code><xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

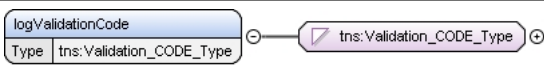
Element **tns:TXKNAWA_Type / tns:logTransaktionsZeitpunkt**

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

Element **tns:TXKNAWA_Type / tns:logTransaktionsOrt_ID**

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

Element **tns:TXKNAWA_Type / tns:logValidationCode**

| | | | | | | | |
|----------------|--|--------------|-----|--------------|---|-------------|----------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | | | |
| Diagram |  | | | | | | |
| Type | tns:Validation_CODE_Type | | | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:Validation_CODE_Type | | | | | | |
| Properties | content: simple | | | | | | |
| Facets | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> <tr> <td>enumeration</td><td>0 Keine Angabe</td></tr> </table> | maxInclusive | 255 | minInclusive | 0 | enumeration | 0 Keine Angabe |
| maxInclusive | 255 | | | | | | |
| minInclusive | 0 | | | | | | |
| enumeration | 0 Keine Angabe | | | | | | |

| | | | |
|-----------------|---|----|--|
| | enumeration | 1 | Daten nicht authentisch |
| | enumeration | 2 | Zeitlich unguelteig |
| | enumeration | 3 | Raeumlich unguelteig |
| | enumeration | 4 | Persoenlich unguelteig (fuer personengebundene Objekte) |
| | enumeration | 5 | gesperter SAM (nur Statische Berechtigung) |
| | enumeration | 6 | gesperre ORG (nur Statische Berechtigung) |
| | enumeration | 7 | sym. Schluessel gesperre oder nicht vorhanden |
| | enumeration | 8 | asym. Schuessel gesperre oder nicht vorhanden |
| | enumeration | 9 | Status im App. Verzeichnis nicht gesetzt |
| | enumeration | 10 | Ausgabetransaktionskennung fehlt |
| | enumeration | 11 | Transportmittelkategorie abweichend vom aktuellen Verkehrsmittel |
| | enumeration | 19 | gesperre (EN 1545-1 blocked (19)) |
| Source | <xs:element name="logValidationCode" type="tns:Validation_CODE_Type" /> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | |

Element tns:TXKNAWA_Type / tns:appInstanz_ID

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:NmApplikationInstanz_ID_Type |
| Properties | content: complex |
| Model | NmAppInstanznummer , kvp_ID |
| Children | NmAppInstanznummer, kvp_ID |
| Instance | <pre><tns:appInstanz_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <NmAppInstanznummer>{1,1}</NmAppInstanznummer> <kvp_ID>{1,1}</kvp_ID> </tns:appInstanz_ID></pre> |
| Source | <pre><xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXKNAWB_Type / tns:logTransaktionsOperator_ID

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

Element **tns:TXKNAWB_Type** / **tns:logTerminal_ID**

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Terminal_ID_Type |
| Properties | content: complex |
| Model | terminalTyp , terminalNumber , terminalOwner_ID |
| Children | terminalNumber, terminalOwner_ID, terminalTyp |
| Instance | <pre><tns:logTerminal_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <terminalTyp>{1,1}</terminalTyp> <terminalNumber>{1,1}</terminalNumber> <terminalOwner_ID>{1,1}</terminalOwner_ID> </tns:logTerminal_ID></pre> |
| Source | <code><xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXKNAWB_Type** / **tns:logTransaktionsZeitpunkt**

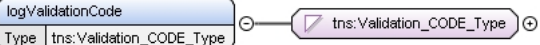
| | | | | | |
|-----------------|---|--------------|---------------------|--------------|---------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Diagram | | | | | |
| Type | tns:DateTimeCompact | | | | |
| Properties | content: simple | | | | |
| Facets | <table> <tr> <td>maxInclusive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

Element **tns:TXKNAWB_Type** / **tns:logTransaktionsOrt_ID**

| | |
|------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Ort_ID_Type |
| Properties | content: complex |
| Model | ortTyp , ortNumber , ortDomaene_ID |
| Children | ortDomaene_ID, ortNumber, ortTyp |
| Instance | <pre><tns:logTransaktionsOrt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <ortTyp>{1,1}</ortTyp> <ortNumber>{1,1}</ortNumber> <ortDomaene_ID>{1,1}</ortDomaene_ID> </tns:logTransaktionsOrt_ID></pre> |
| Source | <code><xs:element name="logTransaktionsOrt_ID" type="ion:Ort_ID_Type" /></code> |

| | |
|-----------------|---|
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|-----------------|---|

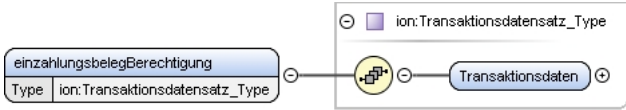
Element **tns:TXKNAWB_Type** / **tns:logValidationCode**

| | | | |
|-----------------|--|--------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Diagram |  | | |
| Type | tns:Validation_CODE_Type | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT1 <ul style="list-style-type: none"> tns:Validation_CODE_Type | | |
| Properties | content: | simple | |
| Facets | maxInclusive | 255 | |
| | minInclusive | 0 | |
| | enumeration | 0 | Keine Angabe |
| | enumeration | 1 | Daten nicht authentisch |
| | enumeration | 2 | Zeitlich ungultig |
| | enumeration | 3 | Raumlich ungultig |
| | enumeration | 4 | Persoenlich ungultig (fuer personengebundene Objekte) |
| | enumeration | 5 | gesperrter SAM (nur Statische Berechtigung) |
| | enumeration | 6 | gesperrte ORG (nur Statische Berechtigung) |
| | enumeration | 7 | sym. Schluessel gesperrt oder nicht vorhanden |
| | enumeration | 8 | asym. Schluessel gesperrt oder nicht vorhanden |
| | enumeration | 9 | Status im App. Verzeichnis nicht gesetzt |
| | enumeration | 10 | Ausgabetransaktionskennung fehlt |
| | enumeration | 11 | Transportmittelkategorie abweichend vom aktuellen Verkehrsmittel |
| | enumeration | 19 | gesperrt (EN 1545-1 blocked (19)) |
| Source | <xs:element name="logValidationCode" type="tns:Validation_CODE_Type" /> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | |

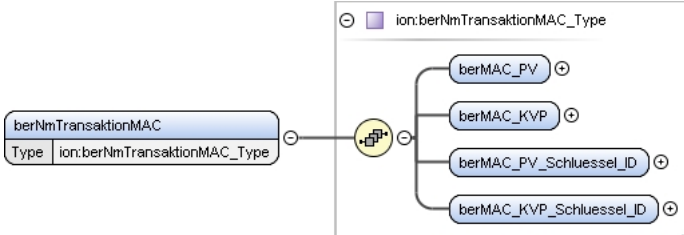
Element **tns:TXKNAWB_Type** / **tns:berBerechtigung_ID**

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

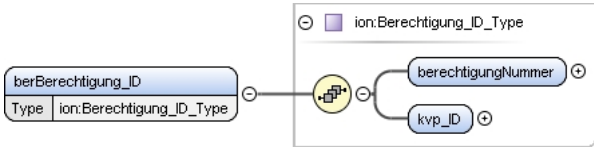
Element tns:TXLPEB_Type / tns:ezahlungsbelegBerechtigung

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram |  |
| Type | tns:Transaktionsdatensatz_Type |
| Properties | content: complex |
| Model | Transaktionsdaten |
| Children | Transaktionsdaten |
| Instance | <pre><tns:ezahlungsbelegBerechtigung xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <Transaktionsdaten>{1,1}</Transaktionsdaten> </tns:ezahlungsbelegBerechtigung></pre> |
| Source | <pre><xs:element name="ezahlungsbelegBerechtigung" type="ion:Transaktionsdatensatz_Type"/></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXLPEB_Type / tns:berNmTransaktionMAC

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

Element tns:TXSANFB_Type / tns:berBerechtigung_ID

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

| | |
|-----------------|---|
| | <code><kvp_ID>{1,1}</kvp_ID> </tns:berBerechtigung_ID></code> |
| Source | <code><xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXSANFB_Type** / **tns:prodProdukt_ID**

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

Element **tns:TXSANFA_Type** / **tns:appInstanz_ID**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:NmApplikationInstanz_ID_Type |
| Properties | content: complex |
| Model | NmAppInstanznummer , kvp_ID |
| Children | NmAppInstanznummer, kvp_ID |
| Instance | <code><tns:appInstanz_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <NmAppInstanznummer>{1,1}</NmAppInstanznummer> <kvp_ID>{1,1}</kvp_ID> </tns:appInstanz_ID></code> |
| Source | <code><xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXSMITB_Type** / **tns:berSperrkandidat**

| | |
|------------|-----------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Berechtigung_ID_Type |
| Properties | content: complex |
| Model | berechtigungNummer , kvp_ID |

| | |
|-----------------|---|
| Children | berechtigungNummer, kvp_ID |
| Instance | <pre><tns:berSperrkandidat xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <berechtigungNummer>{1,1}</berechtigigungNummer> <kvp_ID>{1,1}</kvp_ID> </tns:berSperrkandidat></pre> |
| Source | <pre><xs:element name="berSperrkandidat" type="ion:Berechtigung_ID_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXSMITO_Type** / **tns:orgSperrkandidat**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Organisation_ID |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo tns:Organisation_ID |
| Properties | content: simple |
| Facets | maxInclusive 65535 minInclusive 0 |
| Source | <pre><xs:element name="orgSperrkandidat" type="ka:Organisation_ID" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:TXSMITS_Type** / **tns:samSperrkandidat**

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

Element **tns:TXSFREIMITB_Type** / **tns:berSperrkandidat**

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

| | |
|-----------------|---|
| Type | tns:Berechtigung_ID_Type |
| Properties | content: complex |
| Model | berechtigungNummer , kvp_ID |
| Children | berechtigungNummer, kvp_ID |
| Instance | <pre><tns:berSperrkandidat xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <berechtigungNummer>{1,1}</berechtigungNummer> <kvp_ID>{1,1}</kvp_ID> </tns:berSperrkandidat></pre> |
| Source | <code><xs:element name="berSperrkandidat" type="ion:Berechtigung_ID_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXSFREIMITO_Type / tns:orgSperrkandidat

| | | | | | |
|-----------------|--|--------------|-------|--------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Diagram | <pre> classDiagram class orgSperrkandidat { Type ka:Organisation_ID } class kaOrganisation_ID { Type ka:Organisation_ID } orgSperrkandidat "1" -- "1" kaOrganisation_ID </pre> | | | | |
| Type | tns:Organisation_ID | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo tns:Organisation_ID | | | | |
| 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><xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Element tns:TXSFREIMITS_Type / tns:samSperrkandidat

| | | | | | |
|-----------------|--|--------------|----------|--------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Diagram | <pre> classDiagram class samSperrkandidat { Type ion:SAM_ID_Type } class ionSAM_ID_Type { Type ion:SAM_ID_Type } samSperrkandidat "1" -- "1" ionSAM_ID_Type </pre> | | | | |
| Type | tns:SAM_ID_Type | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT3 tns:ReferenceNumberThree tns:SAM_ID_Type | | | | |
| 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><xs:element name="samSperrkandidat" type="ion:SAM_ID_Type"/></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Element tns:AllgemeineTransaktionsdaten

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

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

Element tns:AllgemeineTransaktionsdaten / tns:logApplikationSeqNummer

| | |
|----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:SequenceNumberTwo |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:SequenceNumberTwo |
| Properties | content: simple |
| Facets | maxInclusive 65535 |

| | |
|-----------------|---|
| | minInclusive 0 |
| Source | <code><xs:element name="logApplikationSeqNummer" type="ct:SequenceNumberTwo" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:AllgemeineTransaktionsdaten** / **tns:logNmTransaktion_ID**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:NmTransaktion_ID_Type |
| Properties | content: complex |
| Model | tns:samSequenznummer, tns:SAM_ID.samNummer |
| Children | tns:SAM_ID.samNummer, tns:samSequenznummer |
| Instance | <pre><tns:logNmTransaktion_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <tns:samSequenznummer>{1,1}</tns:samSequenznummer> <tns:SAM_ID.samNummer>{1,1}</tns:SAM_ID.samNummer> </tns:logNmTransaktion_ID></pre> |
| Source | <code><xs:element name="logNmTransaktion_ID" type="tns:NmTransaktion_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:AllgemeineTransaktionsdaten** / **tns:logTransaktionsOperator_ID**

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:ReferenceNumberTwo |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo |
| Properties | content: simple |
| Facets | maxInclusive 65535 minInclusive 0 |
| Source | <code><xs:element name="logTransaktionsOperator_ID" type="ct:ReferenceNumberTwo" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element **tns:AllgemeineTransaktionsdaten** / **tns:logTerminal_ID**

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

| | |
|-----------------|--|
| Properties | content: complex |
| Model | terminalTyp , terminalNummer , terminalOwner_ID |
| Children | terminalNummer, terminalOwner_ID, terminalTyp |
| Instance | <pre><tns:logTerminal_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <terminalTyp>{1,1}</terminalTyp> <terminalNummer>{1,1}</terminalNummer> <terminalOwner_ID>{1,1}</terminalOwner_ID> </tns:logTerminal_ID></pre> |
| Source | <code><xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:AllgemeineTransaktionsdaten / tns:logTransaktionsZeitpunkt

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

Element tns:AllgemeineTransaktionsdaten / tns:logTransaktionsOrt_ID

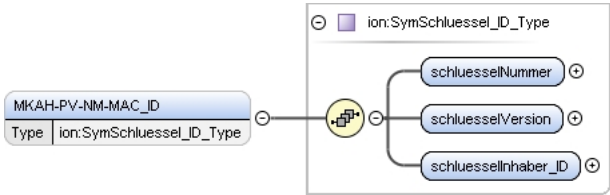
| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:Ort_ID_Type |
| Properties | content: complex |
| Model | ortTyp , ortNummer , ortDomaene_ID |
| Children | ortDomaene_ID, ortNummer, ortTyp |
| Instance | <pre><tns:logTransaktionsOrt_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2">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

Element tns:AllgemeineTransaktionsdaten / tns:logTransaktionsTyp.code

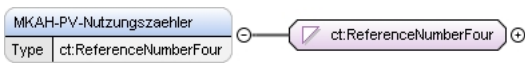
| | |
|------------|---------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Diagram | |
| Type | tns:INT1 |
| Properties | content: simple |

| | | |
|-----------------|---|-----|
| Facets | maxInclusive | 255 |
| | minInclusive | 0 |
| Source | <xs:element name="logTransaktionsTyp.code" type="ct:INT1"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | |

Element tns:TXTRANSABBRUCH_Type / tns:MKAH-PV-NM-MAC_ID

| | | |
|-----------------|--|---------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | |
| Diagram |  | |
| Type | tns:SymSchluessel_ID_Type | |
| Properties | content: | complex |
| | minOccurs: | 0 |
| | maxOccurs: | 1 |
| Model | schluesselNummer , schluesselVersion , schluesselInhaber_ID | |
| Children | schluesselInhaber_ID, schluesselNummer, schluesselVersion | |
| Instance | <pre><tns:MKAH-PV-NM-MAC_ID xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <schluesselNummer>{1,1}</schluesselNummer> <schluesselVersion>{1,1}</schluesselVersion> <schluesselInhaber_ID>{1,1}</schluesselInhaber_ID> </tns:MKAH-PV-NM-MAC_ID></pre> | |
| Source | <xs:element name="MKAH-PV-NM-MAC_ID" type="ion:SymSchluessel_ID_Type" minOccurs="0" maxOccurs="1"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | |

Element tns:TXTRANSABBRUCH_Type / tns:MKAH-PV-Nutzungszaehler

| | | |
|-----------------|---|------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | |
| Diagram |  | |
| Type | tns:ReferenceNumberFour | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT4 tns:ReferenceNumberFour | |
| Properties | content: | simple |
| | minOccurs: | 0 |
| | maxOccurs: | 1 |
| Facets | maxInclusive | 4294967295 |
| | minInclusive | 0 |
| Source | <xs:element name="MKAH-PV-Nutzungszaehler" type="ct:ReferenceNumberFour" minOccurs="0" maxOccurs="1"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | |

Element tns:TXTRANSABBRUCH_Type / tns:MKKVP--NM-MAC_ID

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

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

Element tns:TXTRANSABBRUCH_Type / tns:MKKVP-Nutzungszaehler

| | | | | | | | |
|-----------------|---|--------------|------------|--------------|---|------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | | | |
| Diagram | | | | | | | |
| Type | tns:ReferenceNumberFour | | | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT4 tns:ReferenceNumberFour | | | | | | |
| Properties | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table> | content: | simple | minOccurs: | 0 | maxOccurs: | 1 |
| content: | simple | | | | | | |
| minOccurs: | 0 | | | | | | |
| maxOccurs: | 1 | | | | | | |
| Facets | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table> | maxInclusive | 4294967295 | minInclusive | 0 | | |
| maxInclusive | 4294967295 | | | | | | |
| minInclusive | 0 | | | | | | |
| Source | <code><xs:element name="MKKVP-Nutzungszaehler" type="ct:ReferenceNumberFour" minOccurs="0" maxOccurs="1"/></code> | | | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | | | |

Element tns:TXADM

| | |
|-------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Antwort auf Anfrage wegen Defektem Medium |
| Diagram | |

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

Element tns:TXAEBER

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

Element tns:TXAENBER

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

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

Element tns:TXAS

| | |
|----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Aufforderung zum Senden |
| Diagram | |
| Type | tns:TXAS_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXAS_Type |
| Properties | content: complex |
| Model | txbase , transSendeAuftrag , transSendeAuftragstyp |
| Children | transSendeAuftrag, transSendeAuftragstyp, txbase |
| Instance | <pre><tns:TXAS xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <transSendeAuftrag>{1,1}</transSendeAuftrag> <transSendeAuftragstyp>{1,1}</transSendeAuftragstyp> </tns:TXAS></pre> |
| Source | <pre><xs:element name="TXAS" type="ion:TXAS_Type"> <xs:annotation> <xs:documentation>Element: Aufforderung zum Senden</xs:documentation> </xs:annotation> </xs:element></pre> |

| | |
|-----------------|---|
| | <code></xs:element></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXASKON

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Anforderung eines neuen Kontingentes fuer einen PV-Schluessel im SAM |
| Diagram | |
| Type | tns:TXASKON_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXAS_Type tns:TXASKON_Type |
| Properties | content: complex |
| Model | txbase , transSendeAuftrag , transSendeAuftragstyp , tns:samSAM_ID , tns:samSchluessel_ID , tns:samLoadKeyZaehler , tns:samNutzungsLimitNeu |
| Children | tns:samLoadKeyZaehler, tns:samNutzungsLimitNeu, tns:samSAM_ID, tns:samSchluessel_ID, transSendeAuftrag, transSendeAuftragstyp, txbase |
| Instance | <pre><tns:TXASKON xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <transSendeAuftrag>{1,1}</transSendeAuftrag> <transSendeAuftragstyp>{1,1}</transSendeAuftragstyp> <tns:samSAM_ID>{1,1}</tns:samSAM_ID> <tns:samSchluessel_ID>{1,1}</tns:samSchluessel_ID> <tns:samLoadKeyZaehler>{1,1}</tns:samLoadKeyZaehler> <tns:samNutzungsLimitNeu>{1,1}</tns:samNutzungsLimitNeu> </tns:TXASKON></pre> |
| Source | <pre><xs:element name="TXASKON" type="tns:TXASKON_Type"> <xs:annotation> <xs:documentation>Element: Anforderung eines neuen Kontingentes fuer einen PV-Schluessel im SAM</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXUEBERKON

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

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

Element tns:TXBEKODL

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

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

Element tns:TXBEKOKVP

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Belastung POB/PEB durch Kauf eines EFS (analog TXBEKODL) |
| Diagram | |
| Type | tns:TXBEWEBKOKVP_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXBEWEBKOKVP_Type |
| Properties | content: complex |
| Model | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC |
| Children | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase |
| Instance | <pre><tns:TXBEKOKVP xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <tns:belastungstransaktionBerechtigung>{1,1}</tns:belastungstransaktionBerechtigung> <tns:berNmTransaktionMAC>{1,1}</tns:berNmTransaktionMAC> </tns:TXBEKOKVP></pre> |
| Source | <pre><xs:element name="TXBEKOKVP" type="tns:TXBEWEBKOKVP_Type"> <xs:annotation> <xs:documentation>Element: Belastung POB/PEB durch Kauf eines EFS (analog TXBEKODL)</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXGKO

| | |
|-------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Gutschrift POB/PEB nach Ruecknahme Kauf eines EFS (analog |

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

Element tns:TXBEWEBKVP

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

| | |
|-----------------|---|
| Source | <pre><xs:element name="TXBEWEBKVP" type="tns:TXBEWEBKOKVP_Type"> <xs:annotation> <xs:documentation>Element: Belastung WEB durch Kauf eines EFS (analog TXBEKOKVP)</ </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXGWEB

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

Element tns:TXABER

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

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

Element tns:TXEBER

| | |
|----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Erfassung einer Berechtigungstransaktion |
| Diagram | |
| Type | tns:TXEBER_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type |

| | |
|-----------------|--|
| | <ul style="list-style-type: none"> • tns:TXEBER_Type |
| Properties | content: complex |
| Model | txbase , tns:fahrttransaktion , tns:berNmTransaktionMAC |
| Children | tns:berNmTransaktionMAC, tns:fahrttransaktion, txbase |
| Instance | <pre><tns:TXEBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <tns:fahrttransaktion>{1,1}</tns:fahrttransaktion> <tns:berNmTransaktionMAC>{1,1}</tns:berNmTransaktionMAC> </tns:TXEBER></pre> |
| Source | <pre><xs:element name="TXEBER" type="tns:TXEBER_Type"> <xs:annotation> <xs:documentation>Element: Erfassung einer Berechtigungstransaktion</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXRBER

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

Element tns:TXLPEB

| | |
|-------------|---------------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Laden eines PEB-Kontos |

| | |
|-----------------|--|
| Diagram | |
| Type | tns:TXLPEB_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXLPEB_Type |
| Properties | content: complex |
| Model | txbase , tns:ezahlungsbelegBerechtigung , tns:berNmTransaktionMAC |
| Children | tns:berNmTransaktionMAC, tns:ezahlungsbelegBerechtigung, txbase |
| Instance | <pre><tns:TXLPEB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <tns:ezahlungsbelegBerechtigung>{1,1}</tns:ezahlungsbelegBerechtigung> <tns:berNmTransaktionMAC>{1,1}</tns:berNmTransaktionMAC> </tns:TXLPEB></pre> |
| Source | <pre><xs:element name="TXLPEB" type="tns:TXLPEB_Type"> <xs:annotation> <xs:documentation>Element: Laden eines PEB-Kontos</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXSANFB

| | |
|----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Sperranforderung fuer eine Berechtigung |
| Diagram | |
| Type | tns:TXSANFB_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFB_Type |
| Properties | content: complex |
| Model | txbase , sperrSperrgrund , tns:berBerechtigung_ID , tns:prodProdukt_ID |
| Children | sperrSperrgrund, tns:berBerechtigung_ID, tns:prodProdukt_ID, txbase |

| | |
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| Instance | <pre><tns:TXSANFB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <sperrSperrgrund>{1,1}</sperrSperrgrund> <tns:berBerechtigung_ID>{1,1}</tns:berBerechtigung_ID> <tns:prodProdukt_ID>{1,1}</tns:prodProdukt_ID> </tns:TXSANFB></pre> |
| Source | <pre><xs:element name="TXSANFB" type="tns:TXSANFB_Type"> <xs:annotation> <xs:documentation>Element: Sperranforderung fuer eine Berechtigung</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXSANFA

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

Element tns:TXSAANFB

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

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|-----------------|---|
| Diagram | |
| Type | tns:TXSAANFB_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFB_Type tns:TXSAANFB_Type |
| Properties | content: complex |
| Model | txbase , sperrSperrgrund , tns:berBerechtigung_ID , tns:prodProdukt_ID |
| Children | sperrSperrgrund, tns:berBerechtigung_ID, tns:prodProdukt_ID, txbase |
| Instance | <pre><tns:TXSAANFB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <sperrSperrgrund>{1,1}</sperrSperrgrund> <tns:berBerechtigung_ID>{1,1}</tns:berBerechtigung_ID> <tns:prodProdukt_ID>{1,1}</tns:prodProdukt_ID> </tns:TXSAANFB></pre> |
| Source | <pre><xs:element name="TXSAANFB" type="tns:TXSAANFB_Type"> <xs:annotation> <xs:documentation>Element: Sperraufhebungsanforderung fuer eine Berechtigung</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXSAANFA

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

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

Element tns:TXSMITB

| | |
|----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Sperrmitteilung Berechtigung |
| Diagram | |
| Type | tns:TXSMITB_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type |

| | |
|-----------------|---|
| | <ul style="list-style-type: none"> • tns:TXSMITB_Type |
| Properties | content: complex |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:berSperrkandidat |
| Children | sperrAnforderungBezug, sperrEntscheidung, tns:berSperrkandidat, txbase |
| Instance | <pre><tns:TXSMITB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <sperrAnforderungBezug>{1,1}</sperrAnforderungBezug> <sperrEntscheidung>{1,1}</sperrEntscheidung> <tns:berSperrkandidat>{1,1}</tns:berSperrkandidat> </tns:TXSMITB></pre> |
| Source | <pre><xs:element name="TXSMITB" type="tns:TXSMITB_Type"> <xs:annotation> <xs:documentation>Element: Sperrmitteilung Berechtigung</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXSMITO

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Sperrmitteilung Organisation |
| Diagram | |
| Type | tns:TXSMITO_Type |
| Type hierarchy | <ul style="list-style-type: none"> • tns:TX_BASE_Type • tns:TX_SMIT_Type • tns:TXSMITO_Type |
| Properties | content: complex |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:orgSperrkandidat |
| Children | sperrAnforderungBezug, sperrEntscheidung, tns:orgSperrkandidat, txbase |
| Instance | <pre><tns:TXSMITO xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <sperrAnforderungBezug>{1,1}</sperrAnforderungBezug> <sperrEntscheidung>{1,1}</sperrEntscheidung> <tns:orgSperrkandidat>{1,1}</tns:orgSperrkandidat> </tns:TXSMITO></pre> |
| Source | <pre><xs:element name="TXSMITO" type="tns:TXSMITO_Type"> <xs:annotation> <xs:documentation>Element: Sperrmitteilung Organisation</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXSMITS

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

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

Element tns:TXSFREIMITB

| | |
|----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Sperrfreigabemitteilung Berechtigung |
| Diagram | |
| Type | tns:TXSFREIMITB_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSFREIMITB_Type |

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| Properties | content: complex |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:berSperrkandidat |
| Children | sperrAnforderungBezug, sperrEntscheidung, tns:berSperrkandidat, txbase |
| Instance | <pre><tns:TXSFREIMITB xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <sperrAnforderungBezug>{1,1}</sperrAnforderungBezug> <sperrEntscheidung>{1,1}</sperrEntscheidung> <tns:berSperrkandidat>{1,1}</tns:berSperrkandidat> </tns:TXSFREIMITB></pre> |
| Source | <pre><xs:element name="TXSFREIMITB" type="tns:TXSFREIMITB_Type"> <xs:annotation> <xs:documentation>Element: Sperrfreigabemitteilung Berechtigung</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXSFREIMITO

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Sperrfreigabemitteilung Organisation |
| Diagram | |
| Type | tns:TXSFREIMITO_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSFREIMITO_Type |
| Properties | content: complex |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:orgSperrkandidat |
| Children | sperrAnforderungBezug, sperrEntscheidung, tns:orgSperrkandidat, txbase |
| Instance | <pre><tns:TXSFREIMITO xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <sperrAnforderungBezug>{1,1}</sperrAnforderungBezug> <sperrEntscheidung>{1,1}</sperrEntscheidung> <tns:orgSperrkandidat>{1,1}</tns:orgSperrkandidat> </tns:TXSFREIMITO></pre> |
| Source | <pre><xs:element name="TXSFREIMITO" type="tns:TXSFREIMITO_Type"> <xs:annotation> <xs:documentation>Element: Sperrfreigabemitteilung Organisation</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXSFREIMITS

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

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

Element tns:TXAUSEFS

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

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

Element tns:TXASBERAFB

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

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

Element tns:TXASBERAFB

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

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

Element tns:TXANLN

| | |
|-------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Antwort auf Anforderung der Daten zur Anzeige einer Berechtigung aus dem PV System |

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| Diagram | |
| Type | tns:TXANLN_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXANLN_Type |
| Properties | content: complex |
| Model | txbase , tns:prodAbrechnungsVerfahren , tns:berBezahlArt , tns:prodProdukt_ID , tns:berBerechtigung_ID , tns:transSelektionKriterien , tns:txpp , tns:txafblog+ |
| Children | tns:berBerechtigung_ID, tns:berBezahlArt, tns:prodAbrechnungsVerfahren, tns:prodProdukt_ID, tns:transSelektionKriterien, tns:txafblog, tns:txpp, txbase |
| Instance | <pre> <tns:TXANLN xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <tns:prodAbrechnungsVerfahren>{1,1}</tns:prodAbrechnungsVerfahren> <tns:berBezahlArt>{1,1}</tns:berBezahlArt> <tns:prodProdukt_ID>{1,1}</tns:prodProdukt_ID> <tns:berBerechtigung_ID>{1,1}</tns:berBerechtigung_ID> <tns:transSelektionKriterien>{1,1}</tns:transSelektionKriterien> <tns:txpp>{1,1}</tns:txpp> <tns:txafblog>{1,unbounded}</tns:txafblog> </tns:TXANLN> </pre> |
| Source | <pre> <xs:element name="TXANLN" type="tns:TXANLN_Type"> <xs:annotation> <xs:documentation>Element: Antwort auf Anforderung der Daten zur Anzeige einer Berechtigung aus dem PV System</xs:documentation> </xs:annotation> </xs:element> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXTRANSABBRUCH

| | |
|-------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Element: Daten fuer unvollstaendig ausgefuehrte NM-Transaktion |

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

Element tns:TXKNAWA

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

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

Element tns:TXKNAWB

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

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

Element tns:TXAMBER

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

| | |
|-----------------|--|
| Diagram | |
| Type | tns:TXAMBER_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXABER_Type tns:TXAMBER_Type |
| Properties | content: complex |
| Model | txbase, tns:tx_ber, tns:berechtigungTarifbereich, tns:berechtigungTarifbereichZusatz{0,1}, tns:ausgabeTransaktionBerechtigung, tns:berNmTransaktionMAC, tns:tx_abkey |
| Children | tns:ausgabeTransaktionBerechtigung, tns:berNmTransaktionMAC, tns:berechtigungTarifbereich, tns:berechtigungTarifbereichZusatz, tns:tx_abkey, tns:tx_ber, txbase |
| Instance | <pre><tns:TXAMBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <tns:tx_ber>{1,1}</tns:tx_ber> <tns:berechtigungTarifbereich>{1,1}</tns:berechtigungTarifbereich> <tns:berechtigungTarifbereichZusatz>{0,1}</tns:berechtigungTarifbereichZusatz> <tns:ausgabeTransaktionBerechtigung>{1,1}</tns:ausgabeTransaktionBerechtigung> <tns:berNmTransaktionMAC>{1,1}</tns:berNmTransaktionMAC> <tns:tx_abkey>{1,1}</tns:tx_abkey> </tns:TXAMBER></pre> |
| Source | <pre><xs:element name="TXAMBER" type="tns:TXAMBER_Type"> <xs:annotation> <xs:documentation>Element: Ausgabe einer Multiberechtigung</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXEMBER

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

| | |
|-----------------|---|
| Diagram | |
| Type | tns:TXEMBER_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXEMBER_Type tns:TXEMBER_Type |
| Properties | content: complex |
| Model | txbase , tns:fahrttransaktion , tns:berNmTransaktionMAC , tns:tx_abkey |
| Children | tns:berNmTransaktionMAC, tns:fahrttransaktion, tns:tx_abkey, txbase |
| Instance | <pre> <tns:TXEMBER xmlns:tns="http://vdv/ka/kvp-dl-pv/2"> <txbase>{1,1}</txbase> <tns:fahrttransaktion>{1,1}</tns:fahrttransaktion> <tns:berNmTransaktionMAC>{1,1}</tns:berNmTransaktionMAC> <tns:tx_abkey>{1,1}</tns:tx_abkey> </tns:TXEMBER> </pre> |
| Source | <pre> <xs:element name="TXEMBER" type="tns:TXEMBER_Type"> <xs:annotation> <xs:documentation>Element: Erfassung einer Multiberechtigung</xs:documentation> </xs:annotation> </xs:element> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Element tns:TXRMBER

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

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

Simple Type(s)

Simple Type tns:Validation_CODE_Type

| | | | |
|----------------|---|--|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Annotations | BOM 6-62 Der Validation_CODE klassifiziert den Grund der Erstellung eines Kontrollnachweises ohne Transaktionsausfuehrung mit dem Nutzermedium | | |
| Diagram | | | |
| Type | restriction of tns:INT1 | | |
| Type hierarchy | <ul style="list-style-type: none">• xs:unsignedInt<ul style="list-style-type: none">• tns:INT1<ul style="list-style-type: none">• tns:Validation_CODE_Type | | |
| Facets | maxInclusive | 255 | |
| | minInclusive | 0 | |
| | enumeration | 0 | Keine Angabe |
| | enumeration | 1 | Daten nicht authentisch |
| | enumeration | 2 | Zeitlich unguelteig |
| | enumeration | 3 | Raeumlich unguelteig |
| | enumeration | 4 | Persoenlich unguelteig (fuer personengebundene Objekte) |
| | enumeration | 5 | gesperrter SAM (nur Statische Berechtigung) |
| | enumeration | 6 | gesperrte ORG (nur Statische Berechtigung) |
| | enumeration | 7 | sym. Schluessel gesperrt oder nicht vorhanden |
| | enumeration | 8 | asym. Schuessel gesperrt oder nicht vorhanden |
| | enumeration | 9 | Status im App. Verzeichnis nicht gesetzt |
| | enumeration | 10 | Ausgabetransaktionskennung fehlt |
| | enumeration | 11 | Transportmittelkategorie abweichend vom aktuellen Verkehrsmittel |
| | enumeration | 19 | gesperrt (EN 1545-1 blocked (19)) |
| Used by | Elements | tns:TXKNAWA_Type/tns:logValidationCode, tns:TXKNAWB_Type/tns:logValidationCode | |
| Source | <pre><xs:simpleType name="Validation_CODE_Type"> <xs:annotation> <xs:documentation>BOM 6-62 Der Validation_CODE klassifiziert den Grund der Erstellung eines Kontrollnachweises ohne Transaktionsausfuehrung mit dem Nutzermedium</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"></pre> | | |

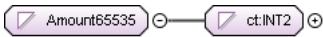
```

<xs:enumeration value="0">
  <xs:annotation>
    <xs:documentation>Keine Angabe</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="1">
  <xs:annotation>
    <xs:documentation>Daten nicht authentisch</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="2">
  <xs:annotation>
    <xs:documentation>Zeitlich unguelteig</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="3">
  <xs:annotation>
    <xs:documentation>Raeumlich unguelteig</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4">
  <xs:annotation>
    <xs:documentation>Persoenlich unguelteig (fuer personengebundene Objekte)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="5">
  <xs:annotation>
    <xs:documentation>gesperrrter SAM (nur Statische Berechtigung)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="6">
  <xs:annotation>
    <xs:documentation>gesperrrte ORG (nur Statische Berechtigung)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="7">
  <xs:annotation>
    <xs:documentation>sym. Schluessel gesperrrt oder nicht vorhanden</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="8">
  <xs:annotation>
    <xs:documentation>asym. Schuessel gesperrrt oder nicht vorhanden</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="9">
  <xs:annotation>
    <xs:documentation>Status im App. Verzeichnis nicht gesetzt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="10">
  <xs:annotation>
    <xs:documentation>Ausgabetransaktionskennung fehlt</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="11">
  <xs:annotation>
    <xs:documentation>Transportmittelkategorie abweichend vom aktuellen Verkehrsmittel</
xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="19">
  <xs:annotation>
    <xs:documentation>gesperrrt (EN 1545-1 blocked (19))</xs:documentation>
  </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>

```


| | |
|----------------------|---|
| Schema loca- tion | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |
|----------------------|---|

Simple Type tns:Amount65535

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

| | |
|-----------------|---|
| | <ul style="list-style-type: none"> • tns:INT2 • tns:Amount65535 |
| Facets | maxInclusive 65535 |
| | minInclusive 0 |
| Used by | Element tns:TX_PP_Type/tns:ppLeistungsPreis |
| Source | <pre><xs:simpleType name="Amount65535"> <xs:restriction base="ct:INT2"/> </xs:simpleType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Simple Type tns:Profil_CODE_Type

| | | | |
|----------------|---|-----------------------------------|------------------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Annotations | Typ: klassifiziert Kunden, Objekte, etc. bzgl. tarifrelevanter Gruppen des OePV BOM 6_45 | | |
| Diagram |  | | |
| Type | restriction of tns:INT1 | | |
| Type hierarchy | <ul style="list-style-type: none">• xs:unsignedInt<ul style="list-style-type: none">• tns:INT1<ul style="list-style-type: none">• tns:Profil_CODE_Type | | |
| Facets | maxInclusive | 255 | |
| | minInclusive | 0 | |
| | enumeration | 0 | nicht spezifiziert/unbestimmt |
| | enumeration | 1 | Erwachsener |
| | enumeration | 2 | Kind |
| | enumeration | 3 | Student |
| | enumeration | 5 | Behinderter |
| | enumeration | 6 | Sehbehinderter |
| | enumeration | 7 | Hoergeschaedigter |
| | enumeration | 8 | Arbeitsloser/Sozialhilfeempfaenger |
| | enumeration | 9 | Personal |
| | enumeration | 10 | Militaeranhoeeriger |
| | enumeration | 19 | Schueler |
| | enumeration | 20 | Azubi |
| | enumeration | 25 | Senior |
| Used by | Element | tns:Mitnahme_Type/tns:mitnahmeTyp | |
| Source | <pre><xs:simpleType name="Profil_CODE_Type"> <xs:annotation> <xs:documentation>Typ: klassifiziert Kunden, Objekte, etc. bzgl. tarifrelevanter Gruppen des OePV BOM 6_45</xs:documentation> </xs:annotation> <!-- TODO: Fehler in BOM: Personal 7 Rechtschreibung + doppelt ?? Im anderen ist es richtig, Personal = 9, habe ich so uebernommen --> <xs:restriction base="ct:INT1"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>nicht spezifiziert/unbestimmt</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Erwachsener</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre> | | |

| | |
|-----------------|---|
| | <pre> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>Kind</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Student</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Behinderter</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="6"> <xs:annotation> <xs:documentation>Sehbehinderter</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="7"> <xs:annotation> <xs:documentation>Hoergeschaedigter</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="8"> <xs:annotation> <xs:documentation>Arbeitsloser/Sozialhilfeempfaenger</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9"> <xs:annotation> <xs:documentation>Personal</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="10"> <xs:annotation> <xs:documentation>Militaeranhehoeriger</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="19"> <xs:annotation> <xs:documentation>Schueler</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="20"> <xs:annotation> <xs:documentation>Azubi</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="25"> <xs:annotation> <xs:documentation>Senior</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Simple Type tns:SelektionKriterien_Type

| | |
|----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Selektionskriterion in XML Datumform. BOM 1107 Tabelle 6-18, heisst dort 'XML' |
| Diagram | <pre> classDiagram class SelektionKriterien_Type class ct_DateTime["ct:DateTime"] SelektionKriterien_Type -- > ct_DateTime </pre> |
| Type | tns:DateTime |
| Type hierarchy | <ul style="list-style-type: none"> xs:dateTime tns:DateTime tns:SelektionKriterien_Type |
| Used by | Elements tns:TXANLN_Type/tns:transSelektionKriterien, tns:TXASBER_Type/tns:transSelektionKriterien, tns:TXAUSEFS_Type/tns:transSelektionKriterien |

| | |
|-----------------|---|
| Source | <pre><xs:simpleType name="SelektionKriterien_Type"> <xs:annotation> <xs:documentation>Typ: Selektionskriterion in XML Datumform. BOM 1107 Tabelle 6-18, heisst dort 'XML'</xs:documentation> </xs:annotation> <xs:restriction base="ct:DateTime"/> </xs:simpleType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Simple Type tns:Kundentyp_CODE_Type

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

| | |
|-----------------|---|
| | <pre> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Behinderter</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="6"> <xs:annotation> <xs:documentation>Sehbehinderter</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="7"> <xs:annotation> <xs:documentation>Hoergeschae digter</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="8"> <xs:annotation> <xs:documentation>Arbeitsloser/Sozialhilfeempfaenger</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9"> <xs:annotation> <xs:documentation>Personal</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="10"> <xs:annotation> <xs:documentation>Militaeranhehoeriger</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="19"> <xs:annotation> <xs:documentation>Schueler</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="20"> <xs:annotation> <xs:documentation>Azubi</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="25"> <xs:annotation> <xs:documentation>Senior</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Simple Type tns:ServiceKlasse_CODE_Type

| | | | |
|----------------|---|--|-------------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | |
| Annotations | Der ServiceKlasse_CODE klassifiziert Servicequalitaeten der Transportdienstleistung. Haeufigstes Beispiel ist die Unterscheidung in 1. und 2. Klasse. BOM 6-49 | | |
| Diagram | | | |
| Type | restriction of tns:INT1 | | |
| Type hierarchy | <ul style="list-style-type: none">xs:unsignedInt<ul style="list-style-type: none">tns:INT1<ul style="list-style-type: none">tns:ServiceKlasse_CODE_Type | | |
| Facets | maxInclusive | 255 | |
| | minInclusive | 0 | |
| | enumeration | 0 | nicht spezifiziert/unbestimmt |
| | enumeration | 1 | 1. Klasse |
| | enumeration | 2 | 2. Klasse |
| Used by | Elements | tns:TX_AFBLOG_Type/tns:afbLogServiceKlasse, tns:TX_EFSLOG_Type/tns:efsLogServiceKlasse | |

| | |
|----------------------|--|
| Source | <pre> <xs:simpleType name="ServiceKlasse_CODE_Type"> <xs:annotation> <xs:documentation>Der ServiceKlasse_CODE klassifiziert Servicequalitaeten der Transportdienstleistung. Haeufigstes Beispiel ist die Unterscheidung in 1. und 2. Klasse. BOM 6-49</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>nicht spezifiziert/unbestimmt</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>1. Klasse</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>2. Klasse</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre> |
| Schema loca- tion | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Simple Type tns:ServiceKlasseExtra_CODE_Type

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

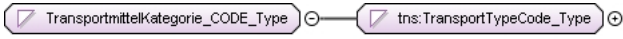
| | |
|-----------------|--|
| | <pre> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Abendessen</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4"> <xs:annotation> <xs:documentation>Buffet</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Imbiss</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Simple Type **tns:TransportTypeCode_Type**

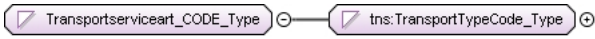
| | | | | | |
|-----------------|--|--------------|-----|--------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Annotations | <p>Der TransportTypeCode_Type oder TransportmittelKategorie_CODE bzw. Transportserviceart_CODE_Type (Spez BOM) klassifiziert Arten von Transportdienstleistungen im Sinne einer Qualitaetsklasse, z.B. "IC/EC", "ICE" bei der Deutschen Bahn. Diese Kategorien sind "marketinggetrieben" mit Auswirkungen auf den Preis und daher produktspezifisch. Die direkte Referenz auf die 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 TransportTypeEnum_Type im entsprechenden Schema (XML-Schema_KVP_DL_PV_Enums_ext-1.x.x.xsd) umgesetzt werden. Enumeration: Classifies types of transport services concerning quality. EN 1545: TransportTypeCode. See also Spec BOM table 6-86 and TransportTypeEnum_Type.</p> | | | | |
| Diagram | <pre> classDiagram class TransportTypeCode_Type class ct_INT1["ct:INT1"] TransportTypeCode_Type -- > ct_INT1 </pre> | | | | |
| Type | tns:INT1 | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:TransportTypeCode_Type | | | | |
| Facets | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table> | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive | 255 | | | | |
| minInclusive | 0 | | | | |
| Used by | Simple Types tns:TransportmittelKategorie_CODE_Type, tns:Transportserviceart_CODE_Type | | | | |
| Source | <pre> <xs:simpleType name="TransportTypeCode_Type"> <xs:annotation> <xs:documentation>Der TransportTypeCode_Type oder TransportmittelKategorie_CODE bzw. Transportserviceart_CODE_Type (Spez BOM) klassifiziert Arten von Transportdienstleistungen im Sinne einer Qualitaetsklasse, z.B. "IC/EC", "ICE" bei der Deutschen Bahn. Diese Kategorien sind "marketinggetrieben" mit Auswirkungen auf den Preis und daher produktspezifisch. 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 TransportTypeEnum_Type im entsprechenden Schema (XML-Schema_KVP_DL_PV_Enums_ext-1.x.x.xsd) umgesetzt werden. Enumeration: Classifies types of transport services concerning quality. EN 1545: TransportTypeCode. See also Spec BOM table 6-86 and TransportTypeEnum_Type.</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"/> </xs:simpleType> </pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Simple Type **tns:TransportmittelKategorie_CODE_Type**

| | |
|-------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ, der die Kompatibilitaet zur BOM Spez. herstellt. Siehe TransportTypeCode_Type. |

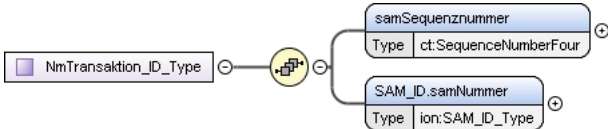
| | | | | | |
|-----------------|---|--------------|-----|--------------|---|
| | Entfaellt demnaechst. | | | | |
| Diagram |  | | | | |
| Type | tns:TransportTypeCode_Type | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:TransportTypeCode_Type tns:TransportmittelKategorie_CODE_Type | | | | |
| Facets | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table> | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive | 255 | | | | |
| minInclusive | 0 | | | | |
| Used by | Element tns:TX_EFSLOG_Type/tns:efsVerkehrsmittelKategorie | | | | |
| Source | <pre><xs:simpleType name="TransportmittelKategorie_CODE_Type"> <xs:annotation> <xs:documentation>Typ, der die Kompatibilitaet zur BOM Spez. herstellt. Siehe TransportTypeCode_Type. Entfaellt demnaechst.</xs:documentation> </xs:annotation> <xs:restriction base="tns:TransportTypeCode_Type"/> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Simple Type tns:Transportserviceart_CODE_Type

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

Complex Type(s)

Complex Type tns:NmTransaktion_ID_Type

| | |
|-------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Datenstruktur Nm_Transaktion_ID |
| Diagram |  |

| | |
|-----------------|--|
| Used by | Element tns:AllgemeineTransaktionsdaten/tns:logNmTransaktion_ID |
| Model | tns:samSequenznummer , tns:SAM_ID.samNummer |
| Children | tns:SAM_ID.samNummer, tns:samSequenznummer |
| Source | <pre> <xs:complexType name="NmTransaktion_ID_Type"> <xs:annotation> <xs:documentation>Typ: Datenstruktur Nm_Transaktion_ID</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="samSequenznummer" type="ct:SequenceNumberFour" /> <xs:element name="SAM_ID.samNummer" type="ion:SAM_ID_Type" /> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:Mitnahme_Type

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Datenstruktur Ort_ID |
| Diagram | |
| Used by | Elements tns:TX_AFBLOG_Type/tns:afbLogMitnahme, tns:TX_EFSLOG_Type/tns:efsLogMitnahme |
| Model | tns:mitnahmeTyp , tns:mitnahmeAnzahl |
| Children | tns:mitnahmeAnzahl, tns:mitnahmeTyp |
| Source | <pre> <xs:complexType name="Mitnahme_Type"> <xs:annotation> <xs:documentation>Typ: Datenstruktur Ort_ID</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="mitnahmeTyp" type="tns:Profil_CODE_Type" /> <xs:element name="mitnahmeAnzahl" type="ct:INT1" /> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:Linie_ID_Type

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

Complex Type tns:LinieVariante_ID_Type

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

Complex Type tns:Fahrt_ID_Type

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Die Fahrt_ID kennzeichnet eine Fahrt eindeutig im gesamten Geltungsbereich der Kernapplikation |
| Diagram | |
| Used by | Element tns:TX_BERLOG_Type/tns:berLogFahrt_ID |
| Model | tns:fahrtNummer , tns:fahrtBetreiber_ID |
| Children | tns:fahrtBetreiber_ID, tns:fahrtNummer |
| Source | <pre> <xs:complexType name="Fahrt_ID_Type"> <xs:annotation> <xs:documentation>Typ: Die Fahrt_ID kennzeichnet eine Fahrt eindeutig im gesamten Geltungsbereich der Kernapplikation</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="fahrtNummer" type="ct:ReferenceNumberThree"/> <xs:element name="fahrtBetreiber_ID" type="ka:Organisation_ID"/> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:EFSViaOrtsListe_Type

| | |
|-------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ:Liste der Orte, die bei einer Fahrt durchfahren werden |
| Diagram | |
| Used by | Element tns:TX_EFSLOG_Type/tns:efsViaOrte_IDs |
| Model | tns:efsViaort_ID{0,3} |
| Children | tns:efsViaort_ID |

| | |
|-----------------|---|
| Source | <pre> <xs:complexType name="EFSViaOrtsListe_Type"> <xs:annotation> <xs:documentation>Typ:Liste der Orte, die bei einer Fahrt durchfahren werden</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="efsViaort_ID" type="ion:Ort_ID_Type" minOccurs="0" maxOccurs="3" /> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TX_PP_Type

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Basisdaten fuer Preise |
| Diagram | |
| Used by | Elements tns:TXANLN_Type/tns:txpp, tns:TXAUSEFS_Type/tns:txpp, tns:TXBEKODL_Type/tns:txpp |
| Model | tns:ppLeistungsPreis, tns:ppMehrwertsteuer |
| Children | tns:ppLeistungsPreis, tns:ppMehrwertsteuer |
| Source | <pre> <xs:complexType name="TX_PP_Type"> <xs:annotation> <xs:documentation>Typ: Basisdaten fuer Preise</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="ppLeistungsPreis" type="tns:Amount65535" /> <xs:element name="ppMehrwertsteuer" type="ct:INT2" /> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TX_BERLOG_Type

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ:Basisdatensatz zur Anzeige von Log-Informationen einer Berechtigung |
| Diagram | |
| Used by | Elements tns:TX_AFBLOG_Type/tns:txberlog, tns:TX_EFSLOG_Type/tns:txberlog |
| Model | tns:berLogLinieVariante_ID, tns:berLogFahrt_ID |
| Children | tns:berLogFahrt_ID, tns:berLogLinieVariante_ID |
| Source | <pre> <xs:complexType name="TX_BERLOG_Type"> <xs:annotation> <xs:documentation>Typ:Basisdatensatz zur Anzeige von Log-Informationen einer Berechtigung</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="berLogLinieVariante_ID" type="tns:LinieVariante_ID_Type" /> <xs:element name="berLogFahrt_ID" type="tns:Fahrt_ID_Type" /> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TX_LOG_Type

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

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

Complex Type tns:TX_AFBLOG_Type

| | |
|-------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ:Basisdatensatz zur Anzeige von Log-Informationen einer AFB |
| Diagram | |
| Used by | Element tns:TXANLN_Type/tns:txafblog |
| Model | tns:afbLogFahrgastTyp , tns:afbLogVerkehrsmittelart , tns:afbLogServiceKlasse , tns:afbLogDynamischerRabattParameter , tns:afbLogMitnahme+ , tns:txberlog , tns:txlog |
| Children | tns:afbLogDynamischerRabattParameter, tns:afbLogFahrgastTyp, tns:afbLogMitnahme, tns:afbLogServiceKlasse, tns:afbLogVerkehrsmittelart, tns:txberlog, tns:txlog |
| Source | <pre> <xs:complexType name="TX_AFBLOG_Type"> <xs:annotation> <xs:documentation>Typ:Basisdatensatz zur Anzeige von Log-Informationen einer AFB</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="afbLogFahrgastTyp" type="tns:Kundentyp_CODE_Type" /> <xs:element name="afbLogVerkehrsmittelart" type="tns:Transportserviceart_CODE_Type" /> <xs:element name="afbLogServiceKlasse" type="tns:ServiceKlasse_CODE_Type" /> <xs:element name="afbLogDynamischerRabattParameter" type="ct:OctetString4" /> <!-- SST 1107 "List of: Mitnahme" 6.5 Tabelle 6-87 --> </pre> |

| | |
|-----------------|---|
| | <pre> <xs:element name="afbLogMitnahme" type="tns:Mitnahme_Type" minOccurs="1" maxOccurs="unbounded" /> <xs:element name="txberlog" type="tns:TX_BERLOG_Type" /> <xs:element name="txlog" type="tns:TX_LOG_Type" /> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TX_EFSLOG_Type

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

Complex Type tns:TX_ABKEY_Type

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

| | |
|-----------------|--|
| Annotations | Typ: Ableitungsdaten fuer eine Multiberechtigung |
| Diagram | |
| Used by | Elements tns:TXAMBER_Type/tns:tx_abkey, tns:TXEMBER_Type/tns:tx_abkey, tns:TXRMBER_Type/tns:tx_abkey |
| Model | tns:berAbleitungsdaten |
| Children | tns:berAbleitungsdaten |
| Source | <pre> <xs:complexType name="TX_ABKEY_Type"> <xs:annotation> <xs:documentation>Typ: Ableitungsdaten fuer eine Multiberechtigung</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="berAbleitungsdaten" type="ct:OctetString10"/> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXASBER_Type

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

Complex Type tns:TXANLN_Type

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

Complex Type tns:TXAUSEFS_Type

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

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

Complex Type tns:TXADM_Type

| | |
|-------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Antwort auf Anfrage wegen Defektem Medium |

| | |
|-----------------|--|
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXADM_Type |
| Used by | Element tns:TXADM |
| Model | txbase , tns:transMediennummer , tns:transappInstanz_ID |
| Children | tns:transMediennummer, tns:transappInstanz_ID, txbase |
| Source | <pre> <xs:complexType name="TXADM_Type"> <xs:annotation> <xs:documentation>Typ: Antwort auf Anfrage wegen Defektem Medium</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="transMediennummer" type="ct:OctetString10"/> <xs:element name="transappInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXABER_Type

| | |
|----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Ausgabe einer Berechtigung |
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXABER_Type |
| Used by | <div>Complex Type tns:TXAMBER_Type</div> <div>Element tns:TXABER</div> |
| Model | txbase , tns:tx_ber , tns:berechtigungTarfbereich , tns:berechtigungTarfbereichZusatz{0,1} , tns:ausgabeTransaktionBerechtigung , tns:berNmTransaktionMAC |
| Children | tns:ausgabeTransaktionBerechtigung, tns:berNmTransaktionMAC, tns:berechtigungTarfbereich, tns:berechtigungTarfbereichZusatz, tns:tx_ber, txbase |

| | |
|-----------------|---|
| Source | <pre> <xs:complexType name="TXABER_Type"> <xs:annotation> <xs:documentation>Typ: Ausgabe einer Berechtigung</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="tx_ber" type="ion:TX_BER_Type"/> <xs:element name="berechtigungTarifbereich" type="xs:hexBinary"/> <!-- Wegen TXABER in TXANTWORT in PE-Spez ist dieses Element optional --> <xs:element name="berechtigungTarifbereichZusatz" type="xs:hexBinary" minOccurs="0"/> <xs:element name="ausgabeTransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type"/> <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXEBER_Type

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

Complex Type tns:TXAEBER_Type

| | |
|-------------|-----------------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Aenderung einer Berechtigung |

| | |
|-----------------|---|
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXAEBER_Type |
| Used by | Element tns:TXAEBER |
| Model | txbase , tns:tx_ber , tns:berechtigungTarifbereich |
| Children | tns:berechtigungTarifbereich, tns:tx_ber, txbase |
| Source | <pre> <xs:complexType name="TXAEBER_Type"> <xs:annotation> <xs:documentation>Typ: Aenderung einer Berechtigung</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="tx_ber" type="ion:TX_BER_Type"/> <xs:element name="berechtigungTarifbereich" type="xs:hexBinary"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXAENBER_Type

| | |
|----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Aenderung der Nutzertarifparameter einer Berechtigung |
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXAENBER_Type |
| Used by | Element tns:TXAENBER |
| Model | txbase , tns:fahrttransaktion , tns:berNmTransaktionMAC |
| Children | tns:berNmTransaktionMAC, tns:fahrttransaktion, txbase |
| Source | <pre> <xs:complexType name="TXAENBER_Type"> <xs:annotation> <xs:documentation>Typ: Aenderung der Nutzertarifparameter einer Berechtigung</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type"/> <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |

| | |
|-----------------|---|
| | <code></xs:complexType></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type `tns:TXRBER_Type`

| | | | | | |
|-----------------|--|--------------|-------------------------------|---------|-------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Annotations | Typ: Ruecknahme einer Berechtigung | | | | |
| Diagram | | | | | |
| Type | extension of <code>tns:TX_BASE_Type</code> | | | | |
| Type hierarchy | <ul style="list-style-type: none"> <code>tns:TX_BASE_Type</code> <ul style="list-style-type: none"> <code>tns:TXRBER_Type</code> | | | | |
| Used by | <table> <tr> <td>Complex Type</td><td><code>tns:TXRMBER_Type</code></td></tr> <tr> <td>Element</td><td><code>tns:TXRBER</code></td></tr> </table> | Complex Type | <code>tns:TXRMBER_Type</code> | Element | <code>tns:TXRBER</code> |
| Complex Type | <code>tns:TXRMBER_Type</code> | | | | |
| Element | <code>tns:TXRBER</code> | | | | |
| Model | <code>txbase</code> , <code>tns:ruecknahmeTransaktionBerechtigung</code> , <code>tns:berNmTransaktionMAC</code> | | | | |
| Children | <code>tns:berNmTransaktionMAC</code> , <code>tns:ruecknahmeTransaktionBerechtigung</code> , <code>txbase</code> | | | | |
| Source | <pre> <xs:complexType name="TXRBER_Type"> <xs:annotation> <xs:documentation>Typ: Ruecknahme einer Berechtigung</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="ruecknahmeTransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type" /> <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Complex Type `tns:TXAMBER_Type`

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

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

Complex Type tns:TXEMBER_Type

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

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

Complex Type tns:TXRMBER_Type

| | |
|----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Ruecknahme einer Multiberechtigung |
| Diagram | |
| Type | extension of tns:TXRBER_Type |
| Type hierarchy | <ul style="list-style-type: none"> • tns:TX_BASE_Type • tns:TXRBER_Type • tns:TXRMBER_Type |
| Used by | Element tns:TXRMBER |

| | |
|-----------------|---|
| Model | txbase , tns:ruecknahmeTransaktionBerechtigung , tns:berNmTransaktionMAC , tns:tx_abkey |
| Children | tns:berNmTransaktionMAC, tns:ruecknahmeTransaktionBerechtigung, tns:tx_abkey, txbase |
| Source | <pre> <xs:complexType name="TXRMBER_Type"> <xs:annotation> <xs:documentation>Typ: Ruecknahme einer Multiberechtigung</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TXRBER_Type"> <xs:sequence> <xs:element name="tx_abkey" type="tns:TX_ABKEY_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXASKON_Type

| | |
|----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Anforderung eines neuen Kontingentes fuer einen PV-Schluessel im SAM |
| Diagram | <pre> classDiagram class TXASKON_Type { Base Type ion:TXAS_Type } class tns_TXAS_Type { Base Type ion:TXAS_Type } class ion_TXAS_Type { Base Type } class txbase class transSendeAuftrag class transSendeAuftragstyp class samSAM_ID { Type ion:SAM_ID_Type } class samSchluessel_ID { Type ion:SymSchluessel_ID_Type } class samLoadKeyZaehler { Type ct:INT4 } class samNutzungsLimitNeu { Type ct:INT4 } TXASKON_Type -- > tns_TXAS_Type tns_TXAS_Type -- > ion_TXAS_Type ion_TXAS_Type -- txbase ion_TXAS_Type -- "sequence" of transSendeAuftrag, transSendeAuftragstyp tns_TXAS_Type -- samSAM_ID tns_TXAS_Type -- samSchluessel_ID tns_TXAS_Type -- samLoadKeyZaehler tns_TXAS_Type -- samNutzungsLimitNeu </pre> |
| Type | extension of tns:TXAS_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXAS_Type tns:TXASKON_Type |
| Used by | Element tns:TXASKON |
| Model | txbase , transSendeAuftrag , transSendeAuftragstyp , tns:samSAM_ID , tns:samSchluessel_ID , tns:samLoadKeyZaehler , tns:samNutzungsLimitNeu |
| Children | tns:samLoadKeyZaehler, tns:samNutzungsLimitNeu, tns:samSAM_ID, tns:samSchluessel_ID, transSendeAuftrag, transSendeAuftragstyp, txbase |
| Source | <pre> <xs:complexType name="TXASKON_Type"> <xs:annotation> <xs:documentation>Typ: Anforderung eines neuen Kontingentes fuer einen PV-Schluessel im SAM</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TXAS_Type"> <xs:sequence> <xs:element name="samSAM_ID" type="ion:SAM_ID_Type" /> <xs:element name="samSchluessel_ID" type="ion:SymSchluessel_ID_Type" /> <xs:element name="samLoadKeyZaehler" type="ct:INT4" /> <xs:element name="samNutzungsLimitNeu" type="ct:INT4" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |

| | |
|-----------------|---|
| | <code></xs:complexType></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type `tns:TXUEBERKON_Type`

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Genehmigung eines neuen Kontingentes fuer einen PV-Schlüssel im SAM |
| Diagram | <pre> classDiagram class ionTX_BASE_Type["ion:TX_BASE_Type (extension base)"] class TXUEBERKON_Type["TXUEBERKON_Type"] class samSAM_ID["samSAM_ID"] class samSchlüssel_ID["samSchlüssel_ID"] class samLoadKeyZaehler["samLoadKeyZaehler"] class samNutzungsLimitGen["samNutzungsLimitGen"] ionTX_BASE_Type --> TXUEBERKON_Type : extension TXUEBERKON_Type --> samSAM_ID TXUEBERKON_Type --> samSchlüssel_ID TXUEBERKON_Type --> samLoadKeyZaehler TXUEBERKON_Type --> samNutzungsLimitGen </pre> |
| Type | extension of <code>tns:TX_BASE_Type</code> |
| Type hierarchy | <ul style="list-style-type: none"> <code>tns:TX_BASE_Type</code> <code>tns:TXUEBERKON_Type</code> |
| Used by | Element <code>tns:TXUEBERKON</code> |
| Model | <code>txbase</code> , <code>tns:samSAM_ID</code> , <code>tns:samSchlüssel_ID</code> , <code>tns:samLoadKeyZaehler</code> , <code>tns:samNutzungsLimitGen</code> |
| Children | <code>tns:samLoadKeyZaehler</code> , <code>tns:samNutzungsLimitGen</code> , <code>tns:samSAM_ID</code> , <code>tns:samSchlüssel_ID</code> , <code>txbase</code> |
| Source | <pre> <xs:complexType name="TXUEBERKON_Type"> <xs:annotation> <xs:documentation>Typ: Genehmigung eines neuen Kontingentes fuer einen PV-Schlüssel im SAM</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="samSAM_ID" type="ion:SAM_ID_Type"/> <xs:element name="samSchlüssel_ID" type="ion:SymSchlüssel_ID_Type"/> <xs:element name="samLoadKeyZaehler" type="ct:INT4"/> <xs:element name="samNutzungsLimitGen" type="ct:INT4"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type `tns:TXBEKODL_Type`

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

| | |
|-----------------|--|
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXBEKODL_Type |
| Used by | Element tns:TXBEKODL |
| Model | txbase , tns:berBerechtigung_ID , tns:txpp , tns:fahrttransaktion+ , tns:berNmTransaktionMAC |
| Children | tns:berBerechtigung_ID, tns:berNmTransaktionMAC, tns:fahrttransaktion, tns:txpp, txbase |
| Source | <pre> <xs:complexType name="TXBEKODL_Type"> <xs:annotation> <xs:documentation>Typ: Transaktionsdatensatz (vom PV an den KVP) fuer eine Belastung des Kundenkontos nach Berechnung des Leistungspreises beim PV (aufgrund uebermittelter Fahrttransaktionen vom DL).</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type" /> <xs:element name="txpp" type="tns:TX_PP_Type" /> <xs:element name="fahrttransaktion" type="ion:Transaktionsdatensatz_Type" maxOccurs="unbounded" /> <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXBEWEBKOKVP_Type

| | |
|----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Gemeinsamer Typ: Belastung POB/PEB/WEB |
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXBEWEBKOKVP_Type |
| Used by | Elements tns:TXBEKOKVP, tns:TXBEWEBKVP |
| Model | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC |
| Children | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase |
| Source | <pre> <xs:complexType name="TXBEWEBKOKVP_Type"> <xs:annotation> </pre> |

| | |
|-----------------|--|
| | <pre> <xs:documentation>Gemeinsamer Typ: Belastung POB/PEB/WEB</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="belastungstransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type" /> <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXGKO_Type

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Gutschrift POB/PEB |
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXGKO_Type |
| Used by | Element tns:TXGKO |
| Model | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC |
| Children | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase |
| Source | <pre> <xs:complexType name="TXGKO_Type"> <xs:annotation> <xs:documentation>Typ: Gutschrift POB/PEB</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="belastungstransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type" /> <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXGWEB_Type

| | |
|----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Gutschrift WEB |
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXGWEB_Type |

| | |
|-----------------|---|
| | <ul style="list-style-type: none"> • tns:TXGWEB_Type |
| Used by | Element tns:TXGWEB |
| Model | txbase , tns:belastungstransaktionBerechtigung , tns:berNmTransaktionMAC |
| Children | tns:belastungstransaktionBerechtigung, tns:berNmTransaktionMAC, txbase |
| Source | <pre><xs:complexType name="TXGWEB_Type"> <xs:annotation> <xs:documentation>Typ: Gutschrift WEB</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="belastungstransaktionBerechtigung" type="ion:Transaktionsdatensatz_Type" /> <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXKNAWA_Type

| | |
|----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder ungeltigen Applikation |
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> • tns:TX_BASE_Type • tns:TXKNAWA_Type |
| Used by | Element tns:TXKNAWA |
| Model | txbase , tns:logTransaktionsOperator_ID , tns:logTerminal_ID , tns:logTransaktionsZeitpunkt , tns:logTransaktionsOrt_ID , tns:logValidationCode , tns:applInstanz_ID |
| Children | tns:applInstanz_ID, tns:logTerminal_ID, tns:logTransaktionsOperator_ID, tns:logTransaktionsOrt_ID, tns:logTransaktionsZeitpunkt, tns:logValidationCode, txbase |
| Source | <pre><xs:complexType name="TXKNAWA_Type"> <xs:annotation> <xs:documentation>Typ: Transaktionsdatensatz zum Nachweis der Kontrolle einer gesperrten oder ungeltigen Applikation</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="logTransaktionsOperator_ID" type="ct:ReferenceNumberTwo" /> <xs:element name="logTerminal_ID" type="ion:Terminal_ID_Type" /> <xs:element name="logTransaktionsZeitpunkt" type="ct:DateTimeCompact" /> <xs:element name="logTransaktionsOrt_ID" type="ion:Ort_ID_Type" /> <xs:element name="logValidationCode" type="tns:Validation_CODE_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre> |

| | |
|-----------------|---|
| | <pre> <xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXKNAWB_Type

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

Complex Type tns:TXLPEB_Type

| | |
|-------------|-----------------------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Laden eines PEB-Kontos |

| | |
|-----------------|--|
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXLPEB_Type |
| Used by | Element tns:TXLPEB |
| Model | txbase , tns:ezahlungsbelegBerechtigung , tns:berNmTransaktionMAC |
| Children | tns:berNmTransaktionMAC, tns:ezahlungsbelegBerechtigung, txbase |
| Source | <pre> <xs:complexType name="TXLPEB_Type"> <xs:annotation> <xs:documentation>Typ: Laden eines PEB-Kontos</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element name="ezahlungsbelegBerechtigung" type="ion:Transaktionsdatensatz_Type" /> <xs:element name="berNmTransaktionMAC" type="ion:berNmTransaktionMAC_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXSANFB_Type

| | |
|----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Sperranforderung fuer eine Berechtigung |
| Diagram | |
| Type | extension of tns:TX_SANF_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFB_Type |
| Used by | Complex Type tns:TXSAANFB_Type Element tns:TXSANFB |
| Model | txbase , sperrSperrgrund , tns:berBerechtigung_ID , tns:prodProdukt_ID |
| Children | sperrSperrgrund, tns:berBerechtigung_ID, tns:prodProdukt_ID, txbase |
| Source | <pre> <xs:complexType name="TXSANFB_Type"> <xs:annotation> <xs:documentation>Typ: Sperranforderung fuer eine Berechtigung</xs:documentation> </xs:annotation> </pre> |

| | |
|-----------------|--|
| | <pre> <xs:complexContent> <xs:extension base="ion:TX_SANF_Type"> <xs:sequence> <xs:element name="berBerechtigung_ID" type="ion:Berechtigung_ID_Type" /> <xs:element name="prodProdukt_ID" type="ion:EFMPprodukt_ID_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXSANFA_Type

| | | | | | |
|-----------------|--|--------------|-------------------|---------|-------------|
| Namespace | http://vdv/ka/kvp-dl-pv/2 | | | | |
| Annotations | Typ: Sperranforderung fuer eine Applikation | | | | |
| Diagram | | | | | |
| Type | extension of tns:TX_SANF_Type | | | | |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFA_Type | | | | |
| Used by | <table> <tr> <td>Complex Type</td><td>tns:TXSAANFA_Type</td></tr> <tr> <td>Element</td><td>tns:TXSANFA</td></tr> </table> | Complex Type | tns:TXSAANFA_Type | Element | tns:TXSANFA |
| Complex Type | tns:TXSAANFA_Type | | | | |
| Element | tns:TXSANFA | | | | |
| Model | txbase , sperrSperrgrund , tns:appInstanz_ID | | | | |
| Children | sperrSperrgrund, tns:appInstanz_ID, txbase | | | | |
| Source | <pre> <xs:complexType name="TXSANFA_Type"> <xs:annotation> <xs:documentation>Typ: Sperranforderung fuer eine Applikation</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_SANF_Type"> <xs:sequence> <xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd | | | | |

Complex Type tns:TXSAANFA_Type

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

| | |
|-----------------|--|
| Diagram | |
| Type | extension of tns:TXSANFA_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFA_Type tns:TXSAANFA_Type |
| Used by | Element tns:TXSAANFA |
| Model | txbase , sperrSperrgrund , tns:applInstanz_ID |
| Children | sperrSperrgrund, tns:applInstanz_ID, txbase |
| Source | <pre> <xs:complexType name="TXSAANFA_Type"> <xs:annotation> <xs:documentation>Typ: Sperraufhebungsanforderung fuer eine Applikation</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TXSANFA_Type" /> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXSAANFB_Type

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

| | |
|-----------------|---|
| Used by | Element tns:TXSAANFB |
| Model | txbase , sperrSperrgrund , tns:berBerechtigung_ID , tns:prodProdukt_ID |
| Children | sperrSperrgrund, tns:berBerechtigung_ID, tns:prodProdukt_ID, txbase |
| Source | <pre><xs:complexType name="TXSAANFB_Type"> <xs:annotation> <xs:documentation>Typ: Sperraufhebungsanforderung fuer eine Berechtigung</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TXSANFB_Type" /> </xs:complexContent> </xs:complexType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXSMITB_Type

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Sperrmitteilung Berechtigung |
| Diagram | <pre> classDiagram class TXSMITB_Type { txbase sperrAnforderungBezug sperrEntscheidung berSperrkandidat } class ionTXSMIT_Type { txbase sperrAnforderungBezug sperrEntscheidung } class ionBerechtigung_ID_Type { <type> } TXSMITB_Type -- > ionTXSMIT_Type TXSMITB_Type --> ionBerechtigung_ID_Type : berSperrkandidat </pre> |
| Type | extension of tns:TX_SMIT_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSMITB_Type |
| Used by | Element tns:TXSMITB |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:berSperrkandidat |
| Children | sperrAnforderungBezug, sperrEntscheidung, tns:berSperrkandidat, txbase |
| Source | <pre><xs:complexType name="TXSMITB_Type"> <xs:annotation> <xs:documentation>Typ: Sperrmitteilung Berechtigung</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_SMIT_Type"> <xs:sequence> <xs:element name="berSperrkandidat" type="ion:Berechtigung_ID_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXSMITO_Type

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

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

Complex Type tns:TXSMITS_Type

| | |
|----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Sperrmitteilung SAM |
| Diagram | |
| Type | extension of tns:TX_SMIT_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSMITS_Type |
| Used by | Element tns:TXSMITS |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:samSperrkandidat |
| Children | sperrAnforderungBezug, sperrEntscheidung, tns:samSperrkandidat, txbase |
| Source | <pre> <xs:complexType name="TXSMITS_Type"> <xs:annotation> </pre> |

| | |
|-----------------|--|
| | <pre> <xs:documentation>Typ: Sperrmitteilung SAM</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_SMIT_Type"> <xs:sequence> <xs:element name="samSperrkandidat" type="ion:SAM_ID_Type"/> </xs:sequence> </xs:extension> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXSFREIMITB_Type

| | |
|-----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Sperrfreigabemitteilung Berechtigung |
| Diagram | |
| Type | extension of tns:TX_SMIT_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSFREIMITB_Type |
| Used by | Element tns:TXSFREIMITB |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:berSperrkandidat |
| Children | sperrAnforderungBezug, sperrEntscheidung, tns:berSperrkandidat, txbase |
| Source | <pre> <xs:complexType name="TXSFREIMITB_Type"> <xs:annotation> <xs:documentation>Typ: Sperrfreigabemitteilung Berechtigung</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_SMIT_Type"> <xs:sequence> <xs:element name="berSperrkandidat" type="ion:Berechtigung_ID_Type"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXSFREIMITO_Type

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

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

Complex Type tns:TXSFREIMITS_Type

| | |
|----------------|--|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Sperrfreigabemitteilung SAM |
| Diagram | |
| Type | extension of tns:TX_SMIT_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSFREIMITS_Type |
| Used by | Element tns:TXSFREIMITS |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , tns:samSperrkandidat |
| Children | sperrAnforderungBezug, sperrEntscheidung, tns:samSperrkandidat, txbase |
| Source | <pre> <xs:complexType name="TXSFREIMITS_Type"> <xs:annotation> </pre> |

| | |
|-----------------|---|
| | <pre> <xs:documentation>Typ: Sperrfreigabemitteilung SAM</xs:documentation> </xs:annotation> <xs:complexType> <xs:extension base="ion:TX_SMIT_Type"> <xs:sequence> <xs:element name="samSperrkandidat" type="ion:SAM_ID_Type"/> </xs:sequence> </xs:extension> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

Complex Type tns:TXTRANSABBRUCH_Type

| | |
|-----------------|---|
| Namespace | http://vdv/ka/kvp-dl-pv/2 |
| Annotations | Typ: Daten fuer unvollstaendig ausgefuehrte NM-Transaktion |
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXTRANSABBRUCH_Type |
| Used by | Element tns:TXTRANSABBRUCH |
| Model | txbase, tns:AllgemeineTransaktionsdaten, tns:MKAH-PV-NM-MAC_ID{0,1}, tns:MKAH-PV-Nutzungszaehler{0,1}, tns:MKKVP--NM-MAC_ID{0,1}, tns:MKKVP-Nutzungszaehler{0,1} |
| Children | tns:AllgemeineTransaktionsdaten, tns:MKAH-PV-NM-MAC_ID, tns:MKAH-PV-Nutzungszaehler, tns:MKKVP--NM-MAC_ID, tns:MKKVP-Nutzungszaehler, txbase |
| Source | <pre> <xs:complexType name="TXTRANSABBRUCH_Type"> <xs:annotation> <xs:documentation>Typ: Daten fuer unvollstaendig ausgefuehrte NM-Transaktion</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="ion:TX_BASE_Type"> <xs:sequence> <xs:element ref="tns:AllgemeineTransaktionsdaten"/> <xs:element name="MKAH-PV-NM-MAC_ID" type="ion:SymSchluessel_ID_Type" minOccurs="0" maxOccurs="1"/> <xs:element name="MKAH-PV-Nutzungszaehler" type="ct:ReferenceNumberFour" minOccurs="0" maxOccurs="1"/> <xs:element name="MKKVP--NM-MAC_ID" type="ion:SymSchluessel_ID_Type" minOccurs="0" maxOccurs="1"/> <xs:element name="MKKVP-Nutzungszaehler" type="ct:ReferenceNumberFour" minOccurs="0" maxOccurs="1"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/kvp-dl-pv/2/XML-Schema_KVP_DL_PV.xsd |

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


Schema(s)

Imported schema XML-Schema_Common_Types.xsd


| | |
|-----------------|---|
| Namespace | http://vdv/ka/common/types/2 |
| Properties | attribute form default: unqualified |
| | element form default: unqualified |
| | version: 1.10.0 |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd |

Simple Type(s)

Simple Type tns:INT1

| | |
|-----------------|--|
| Namespace | http://vdv/ka/common/types/2 |
| Annotations | Integer der den positiven Zahlenraum eines Bytes umfasst |
| Diagram |  |
| Type | restriction of xs:unsignedInt |
| Facets | maxInclusive 255 |
| | minInclusive 0 |
| Used by | Simple Types tns:Abrechnungsverfahren_CODE_Type, tns:AuftragsTyp_CODE, tns:Bezahlart_CODE_Type, tns:CommonServiceResultCode, tns:KommunikationsParterRolle, tns:Kundentyp_CODE_Type, tns:NmTransaktionsTyp_CODE, tns:OrtsTyp_CODE_Type, tns:Profil_CODE_Type, tns:ReferenceNumberOne, tns:SequenceNumberOne, tns:ServiceKlasseExtra_CODE_Type, tns:ServiceKlasse_CODE_Type, tns:StatusCode, tns:TerminalTyp_CODE_Type, tns:TransportTypeCode_Type, tns:Validation_CODE_Type |
| | Elements tns:AllgemeineTransaktionsdaten/tns:logTransaktionsTyp.code, tns:ION_TX_HEADER_Type/transSignaturTyp, tns:ION_TX_HEADER_Type/transStatus, tns:ION_TX_HEADER_Type/transTransaktionsTyp, tns:ION_TX_HEADER_Type/transWiederholungsZaehler, tns:Mitnahme_Type/tns:mitnahmeAnzahl, tns:SymSchluessel_ID_Type/schluesselNummer, tns:SymSchluessel_ID_Type/schluesselVersion, tns:TXA_Type/transAblehnungGrund, tns:TX_SANF_Type/sperrSperrgrund |
| Source | <pre><xs:simpleType name="INT1"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum eines Bytes umfasst</xs:documentation> </xs:annotation> <xs:restriction base="xs:unsignedInt"> <xs:minInclusive value="0"/> <xs:maxInclusive value="255"/> </xs:restriction> </xs:simpleType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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. Fachlich eine aufsteigende Sequenznummer. |
| Diagram |  |
| Type | tns:INT4 |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT4 <ul style="list-style-type: none"> tns:SequenceNumberFour |
| Facets | maxInclusive 4294967295 |

| | | |
|-----------------|--|---|
| | minInclusive | 0 |
| Used by | Elements | tns:IONTransaktion_ID_Type/transSequenznummer, tns:NmTransaktion_ID_Type/tns:samSequenznummer |
| Source | <pre><xs:simpleType name="SequenceNumberFour"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum von vier Bytes umfasst. Fachlich eine aufsteigende Sequenznummer.</xs:documentation> </xs:annotation> <xs:restriction base="tns:INT4"/> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | |

Simple Type tns:INT4

| | | |
|-----------------|---|--|
| Namespace | http://vdv/ka/common/types/2 | |
| Annotations | Integer der den positiven Zahlenraum von vier Bytes umfasst | |
| Diagram | | |
| Type | restriction of xs:unsignedInt | |
| Facets | maxInclusive | 4294967295 |
| | minInclusive | 0 |
| Used by | Simple Types | tns:ReferenceNumberFour, tns:SequenceNumberFour, tns:SperrlistenZyklusNummer_Type |
| | Elements | tns:TXASKON_Type/tns:samLoadKeyZaehler, tns:TXASKON_Type/tns:samNutzungsLimitNeu, tns:TXUEBERKON_Type/tns:samLoadKeyZaehler, tns:TXUEBERKON_Type/tns:samNutzungsLimitGen |
| Source | <pre><xs:simpleType name="INT4"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum von vier Bytes umfasst</xs:documentation> </xs:annotation> <xs:restriction base="xs:unsignedInt"> <xs:minInclusive value="0"/> <xs:maxInclusive value="4294967295"/> </xs:restriction> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT3 <ul style="list-style-type: none"> tns:ReferenceNumberThree | |
| Facets | maxInclusive | 16777215 |
| | minInclusive | 0 |
| Used by | Simple Type | tns:SAM_ID_Type |
| | Elements | tns:Fahrt_ID_Type/tns:fahrtNummer, tns:Ort_ID_Type/ortNummer |
| Source | <pre><xs:simpleType name="ReferenceNumberThree"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum von drei Bytes umfasst</xs:documentation> </xs:annotation> <xs:restriction base="tns:INT3"/> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | |

Simple Type **tns:INT3**

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

Simple Type **tns:INT2**


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

Simple Type **tns:ReferenceNumberTwo**

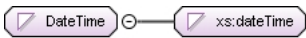
| | | |
|----------------|--|---|
| Namespace | http://vdv/ka/common/types/2 | |
| Annotations | Integer der den positiven Zahlenraum von zwei Bytes umfasst | |
| Diagram | | |
| Type | tns:INT2 | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT2 <ul style="list-style-type: none"> tns:ReferenceNumberTwo | |
| Facets | maxInclusive | 65535 |
| | minInclusive | 0 |
| Used by | Elements | tns:AllgemeineTransaktionsdaten/tns:logTransaktionsOperator_ID, tns:EFMProdukt_ID_Type/produktNummer, tns:Linie_ID_Type/tns:linienNummer, tns:SymSchluessel_ID_Type/schluesselInhaber_ID, |

| | |
|-----------------|---|
| | tns:TXKNAWA_Type/tns:logTransaktionsOperator_ID, tns:TXKNAWB_Type/tns:logTransaktionsOperator_ID, tns:Terminal_ID_Type/terminalNumber |
| | Simple Type tns:Organisation_ID |
| Source | <pre><xs:simpleType name="ReferenceNumberTwo"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum von zwei Bytes umfasst</xs:documentation> </xs:annotation> <xs:restriction base="tns:INT2"/> </xs:simpleType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT1 tns:ReferenceNumberOne | | | | |
| Facets | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table> | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive | 255 | | | | |
| minInclusive | 0 | | | | |
| Used by | Element tns:LinieVariante_ID_Type/tns:variantenNumber | | | | |
| Source | <pre><xs:simpleType name="ReferenceNumberOne"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum von einem Byte umfasst</xs:documentation> </xs:annotation> <xs:restriction base="tns:INT1"/> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | | | | |

Simple Type tns:DateTime

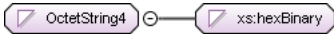
| | | | | | |
|-----------------|---|-------------|-----------------------------|---------|---|
| Namespace | http://vdv/ka/common/types/2 | | | | |
| Annotations | Datum mit Uhrzeit (nutzt den Standard) | | | | |
| Diagram |  | | | | |
| Type | xs:dateTime | | | | |
| Used by | <table> <tr> <td>Simple Type</td><td>tns:SelektionKriterien_Type</td></tr> <tr> <td>Element</td><td>tns:ION_TX_HEADER_Type/transTransaktionsZeitpunkt</td></tr> </table> | Simple Type | tns:SelektionKriterien_Type | Element | tns:ION_TX_HEADER_Type/transTransaktionsZeitpunkt |
| Simple Type | tns:SelektionKriterien_Type | | | | |
| Element | tns:ION_TX_HEADER_Type/transTransaktionsZeitpunkt | | | | |
| Source | <pre><xs:simpleType name="DateTime"> <xs:annotation> <xs:documentation>Datum mit Uhrzeit (nutzt den Standard)</xs:documentation> </xs:annotation> <xs:restriction base="xs:dateTime"/> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | | | | |

Simple Type tns:DateTimeCompact

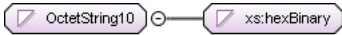
| | |
|-------------|--|
| Namespace | http://vdv/ka/common/types/2 |
| Annotations | <p>Datum mit Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der Wertebereich eingeschränkt, so dass ueber eine binaere Darstellung im Nutzermedium 4 Byte ausreichend sind.</p> <p>1990-01-01T:00:00:00 entspricht "keiner Angabe".</p> <p>Der erste gueltige Wert ist 1990-01-02T00:00:02, da angenommen wird, dass DateTimeCompact sich aus DateCompact und TimeCompact (siehe BOM Spez.) zusammensetzt.</p> <p>Achtung: es wird lokale Zeit verwendet (keine Zeitzonen) um</p> |

| | | |
|-----------------|--|--|
| | ungueltige Werte bei Abschneiden einer Zeitzoneinformation zu vermeiden! | |
| Diagram |  | |
| Type | restriction of xs:dateTime | |
| Facets | maxInclusive | 2117-12-31T23:59:58 |
| | minInclusive | 1990-01-01T00:00:00 |
| Used by | Elements | tns:AllgemeineTransaktionsdaten/tns:logTransaktionsZeitpunkt, tns:TXKNAWA_Type/tns:log-TransaktionsZeitpunkt, tns:TXKNAWB_Type/tns:logTransaktionsZeitpunkt, tns:TX_BER_Type/berGueltigkeitsbeginn, tns:TX_BER_Type/berGueltigkeitsende, tns:TX_LOG_Type/tns:logTransaktionsZeitpunkt_ID |
| Source | <pre><xs:simpleType name="DateTimeCompact"> <xs:annotation> <xs:documentation>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. 1990-01-01T00:00:00 entspricht "keiner Angabe". Der erste gueltige Wert ist 1990-01-02T00:00:02, da angenommen wird, dass DateTimeCompact sich aus DateCompact und TimeCompact (siehe BOM Spez.) zusammensetzt. Achtung: es wird lokale Zeit verwendet (keine Zeitzone) um ungueltige Werte bei Abschneiden einer Zeitzoneinformation zu vermeiden!</xs:documentation> </xs:annotation> <xs:restriction base="xs:dateTime"> <xs:minInclusive value="1990-01-01T00:00:00"/> <xs:maxInclusive value="2117-12-31T23:59:58"/> </xs:restriction> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | |

Simple Type tns:OctetString4

| | | |
|-----------------|--|---|
| Namespace | http://vdv/ka/common/types/2 | |
| Annotations | Hexstring mit einer maximalen Laenge von 4 Byte (8 Zeichen) | |
| Diagram |  | |
| Type | restriction of xs:hexBinary | |
| Facets | length | 4 |
| Used by | Element | tns:TX_AFBLOG_Type/tns:afbLogDynamischerRabattParameter |
| Source | <pre><xs:simpleType name="OctetString4"> <xs:annotation> <xs:documentation>Hexstring mit einer maximalen Laenge von 4 Byte (8 Zeichen)</xs:documentation> </xs:annotation> <xs:restriction base="xs:hexBinary"> <xs:length value="4" fixed="true"/> </xs:restriction> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | tns:TXADM_Type/tns:transMediennummer, tns:TXAUSEFS_Type/tns:berBezahlMittel, tns:TX_ABKEY_Type/tns:berAbleitungsdaten, tns:TX_BER_Type/berBezahlMittel |
| Source | <pre><xs:simpleType name="OctetString10"> <xs:annotation> <xs:documentation>Hexstring mit einer maximalen Laenge von 10 Byte (20 Zeichen)</ </xs:documentation> </xs:annotation> <xs:restriction base="xs:hexBinary"> <xs:length value="10" fixed="true"/> </xs:restriction> </xs:simpleType></pre> | |

| | |
|-----------------|---|
| | <pre></xs:restriction> </xs:simpleType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd |

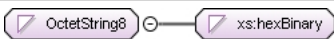
Simple Type **tns:BitString16**

| | | | | | |
|-----------------|---|--------|----|---------|--|
| Namespace | http://vdv/ka/common/types/2 | | | | |
| Annotations | String mit Laenge von 16 Zeichen, die nur "0" oder "1" enthalten duerfen | | | | |
| Diagram |  | | | | |
| Type | restriction of xs:string | | | | |
| Facets | <table> <tr> <td>length</td><td>16</td></tr> <tr> <td>pattern</td><td> [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1] </td></tr> </table> | length | 16 | pattern | [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1] |
| length | 16 | | | | |
| pattern | [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1] | | | | |
| Used by | Element tns:ION_TX_HEADER_Type/transVersion | | | | |
| Source | <pre><xs:simpleType name="BitString16"> <xs:annotation> <xs:documentation>String mit Laenge von 16 Zeichen, die nur "0" oder "1" enthalten duerfen</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:length value="16" fixed="true"/> <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]" /> </xs:restriction> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT4 tns:ReferenceNumberFour | | | | |
| 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:Berechtigung_ID_Type/berechtigungNummer, tns:NmApplikationInstanz_ID_Type/NmAppInstanznummer, tns:TXTRANSABBRUCH_Type/tns:MKAH-PV-Nutzungszaeher, tns:TXTRANSABBRUCH_Type/tns:MKKVP-Nutzungszaeher | | | | |
| Source | <pre><xs:simpleType name="ReferenceNumberFour"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum von vier Bytes umfasst</xs:documentation> </xs:annotation> <xs:restriction base="tns:INT4" /> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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><xs:simpleType name="OctetString8"> <xs:annotation> <xs:documentation>Hexstring mit einer maximalen Laenge von 8 Byte (16 Zeichen)</ </xs:annotation> <xs:restriction base="xs:hexBinary"> <xs:length value="8" fixed="true"/> </xs:restriction> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <pre>graph LR A[tns:SequenceNumberTwo] --- B[tns:INT2]</pre> | |
| Type | tns:INT2 | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:SequenceNumberTwo | |
| Facets | maxInclusive | 65535 |
| | minInclusive | 0 |
| Used by | Element | tns:AllgemeineTransaktionsdaten/tns:logApplikationSeqNummer |
| Source | <pre><xs:simpleType name="SequenceNumberTwo"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum von zwei Bytes umfasst Fachlich eine aufsteigende Sequenznummer.</xs:documentation> </xs:annotation> <xs:restriction base="tns:INT2"/> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | |

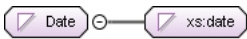
Simple Type tns:BitString1

| | | |
|-----------------|--|-------|
| Namespace | http://vdv/ka/common/types/2 | |
| Annotations | String mit Laenge von 1 Zeichen, das nur "0" oder "1" enthalten darf | |
| Diagram | <pre>graph LR A[tns:BitString1] --- B[xs:string]</pre> | |
| Type | restriction of xs:string | |
| Facets | length | 1 |
| | pattern | [0-1] |
| Source | <pre><xs:simpleType name="BitString1"> <xs:annotation> <xs:documentation>String mit Laenge von 1 Zeichen, das nur "0" oder "1" enthalten darf</ </xs:annotation> <xs:restriction base="xs:string"> <xs:length value="1" fixed="true"/> <xs:pattern value="[0-1]"/> </xs:restriction> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | |

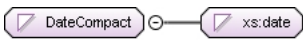
Simple Type `tns:BitString8`

| | | | | | |
|-----------------|--|--------|---|---------|--|
| Namespace | http://vdv/ka/common/types/2 | | | | |
| Annotations | String mit Laenge von 8 Zeichen, die nur "0" oder "1" enthalten duerfen | | | | |
| Diagram |  | | | | |
| Type | restriction of xs:string | | | | |
| Facets | <table> <tr> <td>length</td><td>8</td></tr> <tr> <td>pattern</td><td>[0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]</td></tr> </table> | length | 8 | pattern | [0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1] |
| length | 8 | | | | |
| pattern | [0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1] | | | | |
| Source | <pre><xs:simpleType name="BitString8"> <xs:annotation> <xs:documentation>String mit Laenge von 8 Zeichen, die nur "0" oder "1" enthalten duerfen</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:length value="8" fixed="true"/> <xs:pattern value="[0-1][0-1][0-1][0-1][0-1][0-1][0-1][0-1]"/> </xs:restriction> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 <code>tns:TXDEABER_Req_Type/prodAkzeptanzEnde</code> |
| Source | <pre><xs:simpleType name="Date"> <xs:annotation> <xs:documentation>Datum ohne Uhrzeit (nutzt den Standard)</xs:documentation> </xs:annotation> <xs:restriction base="xs:date"/> </xs:simpleType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd |

Simple Type `tns:DateCompact`

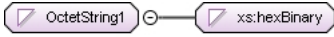
| | | | | | |
|--------------|--|--------------|------------|--------------|------------|
| Namespace | http://vdv/ka/common/types/2 | | | | |
| Annotations | Datum ohne Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der Wertebereich eingeschaenkt, so dass ueber eine binaere Darstellung im Nutzermedium 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><xs:simpleType name="DateCompact"> <xs:annotation> <xs:documentation>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.).</xs:documentation> </xs:annotation> <xs:restriction base="xs:date"> <xs:minInclusive value="1990-01-01"/> <xs:maxInclusive value="2117-12-31"/> </xs:restriction> </xs:simpleType></pre> | | | | |

| | |
|-----------------|---|
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd |
|-----------------|---|

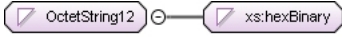
Simple Type `tns:Datef`

| | | | | | |
|-----------------|--|--------|---|---------|--|
| 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><xs:simpleType name="Datef"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:length value="8" fixed="true"/> <xs:pattern value="[0-9][0-9][0-9][0-9][0-1][0-9][0-3][0-9]"/> </xs:restriction> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | | | | |

Simple Type `tns:OctetString1`

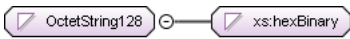
| | | | |
|-----------------|--|--------|---|
| Namespace | http://vdv/ka/common/types/2 | | |
| Annotations | Hexstring mit einer maximalen Laenge von 1 Byte (2 Zeichen) | | |
| Diagram |  | | |
| Type | restriction of xs:hexBinary | | |
| Facets | <table> <tr> <td>length</td><td>1</td></tr> </table> | length | 1 |
| length | 1 | | |
| Source | <pre><xs:simpleType name="OctetString1"> <xs:annotation> <xs:documentation>Hexstring mit einer maximalen Laenge von 1 Byte (2 Zeichen)</xs:documentation> </xs:annotation> <xs:restriction base="xs:hexBinary"> <xs:length value="1" fixed="true"/> </xs:restriction> </xs:simpleType></pre> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | | |

Simple Type `tns:OctetString12`

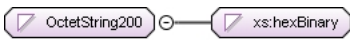
| | | | |
|-------------|--|--------|----|
| Namespace | http://vdv/ka/common/types/2 | | |
| Annotations | Hexstring mit einer maximalen Laenge von 12 Byte (24 Zeichen) | | |
| Diagram |  | | |
| Type | restriction of xs:hexBinary | | |
| Facets | <table> <tr> <td>length</td><td>12</td></tr> </table> | length | 12 |
| length | 12 | | |
| Used by | Element <code>tns:ASymSchluessel_ID_Type/signaturSchluessel</code> | | |
| Source | <pre><xs:simpleType name="OctetString12"> <xs:annotation> <xs:documentation>Hexstring mit einer maximalen Laenge von 12 Byte (24 Zeichen)</xs:documentation> </xs:annotation> <xs:restriction base="xs:hexBinary"> <xs:length value="12" fixed="true"/> </xs:restriction> </xs:simpleType></pre> | | |

| | |
|-----------------|---|
| | <code></xs:simpleType></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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><xs:simpleType name="OctetString128"> <xs:annotation> <xs:documentation>Hexstring mit einer maximalen Laenge von 128 Byte (256 Zeichen)</xs:documentation> </xs:annotation> <xs:restriction base="xs:hexBinary"> <xs:length value="128" fixed="true"/> </xs:restriction> </xs:simpleType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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><xs:simpleType name="OctetString200"> <xs:annotation> <xs:documentation>Hexstring mit einer maximalen Laenge von 200 Byte (400 Zeichen)</xs:documentation> </xs:annotation> <xs:restriction base="xs:hexBinary"> <xs:length value="200" fixed="true"/> </xs:restriction> </xs:simpleType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 Fachlich eine aufsteigende Sequenznummer. |
| Diagram |  |
| Type | tns:INT1 |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:SequenceNumberOne |
| Facets | maxInclusive 255 minInclusive 0 |
| Source | <pre><xs:simpleType name="SequenceNumberOne"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum von einem Byte umfasst Fachlich eine aufsteigende Sequenznummer.</xs:documentation> </xs:annotation> <xs:restriction base="tns:INT1"/> </xs:simpleType></pre> |

| | |
|-----------------|---|
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT3 tns:SequenceNumberThree | | | | |
| 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><xs:simpleType name="SequenceNumberThree"> <xs:annotation> <xs:documentation>Integer der den positiven Zahlenraum von drei Bytes umfasst Fachlich eine aufsteigende Sequenznummer.</xs:documentation> </xs:annotation> <xs:restriction base="tns:INT3"/> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/2/XML-Schema_Common_Types.xsd | | | | |

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

Schema(s)

Imported schema XML-Schema_KA_Common.xsd

| | | | | | | | |
|-------------------------|---|-------------------------|-------------|-----------------------|-------------|----------|--------|
| Namespace | http://vdv/ka/common/2 | | | | | | |
| Properties | <table> <tr> <td>attribute form default:</td><td>unqualified</td></tr> <tr> <td>element form default:</td><td>unqualified</td></tr> <tr> <td>version:</td><td>1.10.0</td></tr> </table> | attribute form default: | unqualified | element form default: | unqualified | version: | 1.10.0 |
| attribute form default: | unqualified | | | | | | |
| element form default: | unqualified | | | | | | |
| version: | 1.10.0 | | | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd | | | | | | |

Element(s)

Element `tns:VX`

| | |
|-------------|--|
| Namespace | http://vdv/ka/common/2 |
| Annotations | KA VX Nachricht 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. |
| Diagram |  |
| Type | tns:VX_Message_Type |
| Properties | content: complex |
| Model | StatusCode, StatusText |
| Children | StatusCode, StatusText |
| Instance | <pre><tns:VX xmlns:tns="http://vdv/ka/common/2"> <StatusCode>{1,1}</StatusCode></pre> |

| | |
|-----------------|---|
| | <pre><StatusText>{1,1}</StatusText> </tns:VX></pre> |
| Source | <pre><xs:element name="VX" type="tns:VX_Message_Type"> <xs:annotation> <xs:documentation>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 Dateneubermittlung mitgeteilt.</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <pre>graph LR OrgID[tns:Organisation_ID] --- restriction RefNum[ct:ReferenceNumberTwo]</pre> | |
| Type | tns:ReferenceNumberTwo | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT2 <ul style="list-style-type: none"> tns:ReferenceNumberTwo <ul style="list-style-type: none"> tns:Organisation_ID | |
| Facets | maxInclusive | 65535 |
| | minInclusive | 0 |
| Used by | Elements | tns:Berechtigung_ID_Type/kvp_ID, tns:EFMProdukt_ID_Type/organisationID, tns:Fahrt_ID_Type/tns:fahrtBetreiber_ID, tns:IONTransaktion_ID_Type/transSender_ID, tns:ION_TX_HEAD-ER_Type/transEmpfaenger_ID, tns:Linie_ID_Type/tns:linieDomaene_ID, tns:NmApplikationInstanz_ID_Type/kvp_ID, tns:Ort_ID_Type/ortDomaene_ID, tns:TXSFREIMITO_Type/tns:orgSperrkandidat, tns:TXSMITO_Type/tns:orgSperrkandidat, tns:TXSNAWA_Req_Type/orgSperrkandidat, tns:TXSNAWB_Req_Type/orgSperrkandidat, tns:TX_LOG_Type/tns:logTransaktionsoperator_ID, tns:Terminal_ID_Type/terminalOwner_ID |
| Source | <pre><xs:simpleType name="Organisation_ID"> <xs:annotation> <xs:documentation>Type: Eindeutiger Identifier einer Organisation</xs:documentation> </xs:annotation> <xs:restriction base="ct:ReferenceNumberTwo"/> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <pre>graph LR KomParR[tns:KommunikationsParterRolle] --- restriction INT1[ct:INT1]</pre> | |
| Type | restriction of tns:INT1 | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT1 <ul style="list-style-type: none"> tns:KommunikationsParterRolle | |
| Facets | maxInclusive | 255 |
| | minInclusive | 0 |
| | enumeration | 0 Unbekannt |
| | enumeration | 1 KVP |
| | enumeration | 2 DL |
| | enumeration | 3 PV |

| | | | |
|----------------------|--|--|-------|
| | enumeration | 4 | AH |
| | enumeration | 5 | KOSES |
| | enumeration | 254 | ZVM |
| Used by | Elements | tns:IONTransaktion_ID_Type/transSenderRolle, tns:ION_TX_HEADER_Type/transEmpfaengerRolle | |
| Source | <pre><xs:simpleType name="KommunikationsParterRolle"> <xs:annotation> <xs:documentation>Rolle des Kommunikationspartners: 1=KVP, 2=DL, 3=PV, 4=AH, 5=KOSES</ xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Unbekannt</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>KVP</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>DL</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>PV</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4"> <xs:annotation> <xs:documentation>AH</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>KOSES</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="254"> <xs:annotation> <xs:documentation>ZVM</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre> | | |
| Schema loca- tion | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ common/2/XML-Schema_KA_Common.xsd | | |

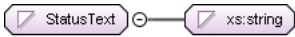
Simple Type tns:StatusCode

| | | | |
|----------------|--|-----|--|
| Namespace | http://vdv/ka/common/2 | | |
| Annotations | Status Codes einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten) | | |
| Diagram | <pre> graph LR StatusCode[StatusCode] --- restriction ctINT1[ct:INT1] </pre> | | |
| Type | restriction of tns:INT1 | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT1 <ul style="list-style-type: none"> tns:StatusCode | | |
| 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> <xs:simpleType name="StatusCode"> <xs:annotation> <xs:documentation>Status Codes einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten)</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Die Nachricht wurde erfolgreich entgegengenommen und alle notwendigen Informationen zur Weiterleitung liegen vor.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Ungueltige Nachricht. Die Sender ID oder die Routing Information kann nicht aus dem SOAP Header extrahiert werden.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>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.</ xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Unbekannter oder gesperrter Empfaenger oder zu den Routing Informationen ist in der VM keine technische Empfaengeradresse hinterlegt.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4"> <xs:annotation> <xs:documentation>Verbindungsproblem zum Empfaenger. Es konnte keine Verbindung zum Empfaenger aufgebaut werden.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Timeout. Der Empfaenger antwortet nicht in einer vorgegebenen Zeit.</ xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="6"> <xs:annotation> <xs:documentation>Die asynchrone Nachricht kann nicht zwischengespeichert werden.</ xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="7"> <xs:annotation> <xs:documentation>Die Organisations-ID des Senders ist gesperrt oder der Vermittlungsstelle nicht bekannt.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="255"> <xs:annotation> <xs:documentation>Technisches Problem. Es liegt ein technisches Problem vor. Die Nachricht konnte nicht erfolgreich entgegengenommen werden.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre> | |

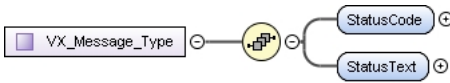
| | |
|-----------------|--|
| | <pre> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd |

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 <code>tns:VX_Message_Type/StatusText</code> |
| Source | <pre> <xs:simpleType name="StatusText"> <xs:annotation> <xs:documentation>Textuelle Beschreibung des "Status Codes" einer KA VX Nachricht</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 <code>tns:VX</code> |
| Model | StatusCode , StatusText |
| Children | StatusCode, StatusText |
| Source | <pre> <xs:complexType name="VX_Message_Type"> <xs:annotation> <xs:documentation>Type: Struktur einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten)</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="StatusCode" type="tns:StatusCode"/> <xs:element name="StatusText" type="tns:StatusText"/> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd |

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

Schema(s)

Imported schema XML-Schema_ION.xsd

| | |
|------------|-------------------------------------|
| Namespace | http://vdv/ka/ion/2 |
| Properties | attribute form default: unqualified |

| | |
|-----------------|---|
| | element form default: unqualified |
| | version: 1.10.0 |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_RET_Type tns:TXB_Type |
| Properties | content: complex |
| Model | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit |
| Children | transOrigID, transOrigSignatur, transOriginalZeit, txbase |
| Instance | <pre><tns:TXB xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <transOrigID>{1,1}</transOrigID> <transOrigSignatur>{0,1}</transOrigSignatur> <transOriginalZeit>{1,1}</transOriginalZeit> </tns:TXB></pre> |
| Source | <pre><xs:element name="TXB" type="tns:TXB_Type"> <xs:annotation> <xs:documentation>Element: Bestaetigung einer ION-Transaktion</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_RET_Type tns:TXA_Type |
| Properties | content: complex |
| Model | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , transAblehnungGrund |
| Children | transAblehnungGrund, transOrigID, transOrigSignatur, transOriginalZeit, txbase |
| Instance | <pre><tns:TXA xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <transOrigID>{1,1}</transOrigID> <transOrigSignatur>{0,1}</transOrigSignatur> <transOriginalZeit>{1,1}</transOriginalZeit> <transAblehnungGrund>{1,1}</transAblehnungGrund> </tns:TXA></pre> |
| Source | <pre><xs:element name="TXA" type="tns:TXA_Type"> <xs:annotation> <xs:documentation>Element: Ablehnung einer ION-Transaktion</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_RET_Type tns:TXB_Type |
| Properties | content: complex |

| | |
|-----------------|---|
| Model | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit |
| Children | transOrigID, transOrigSignatur, transOriginalZeit, txbase |
| Instance | <pre><tns:TXBRequest xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <transOrigID>{1,1}</transOrigID> <transOrigSignatur>{0,1}</transOrigSignatur> <transOriginalZeit>{1,1}</transOriginalZeit> </tns:TXBRequest></pre> |
| Source | <pre><xs:element name="TXBRequest" type="tns:TXB_Type"> <xs:annotation> <xs:documentation>Element: Mitteilung eines Verarbeitungsstatus (OK)</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXARequest

| | |
|-----------------|--|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Element: Mitteilung eines Verarbeitungsstatus (Fehlerhaft im Drittsystem) |
| Diagram | |
| Type | tns:TXA_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_RET_Type tns:TXA_Type |
| Properties | content: complex |
| Model | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , transAblehnungGrund |
| Children | transAblehnungGrund, transOrigID, transOrigSignatur, transOriginalZeit, txbase |
| Instance | <pre><tns:TXARequest xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <transOrigID>{1,1}</transOrigID> <transOrigSignatur>{0,1}</transOrigSignatur> <transOriginalZeit>{1,1}</transOriginalZeit> <transAblehnungGrund>{1,1}</transAblehnungGrund> </tns:TXARequest></pre> |
| Source | <pre><xs:element name="TXARequest" type="tns:TXA_Type"> <xs:annotation> <xs:documentation>Element: Mitteilung eines Verarbeitungsstatus (Fehlerhaft im Drittsystem)</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXDEABER

| | |
|-------------|---|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Element: Dienstanfrage: "Loeschen einer |

| | |
|-----------------|---|
| | Produkt-Akzeptanz von allen akzeptierenden Organisationen" |
| Diagram | |
| Type | tns:TXDEABER_Req_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXDEABER_Req_Type |
| Properties | content: complex |
| Model | txbase , prodAkzeptanzEnde , prodProdukt_ID |
| Children | prodAkzeptanzEnde, prodProdukt_ID, txbase |
| Instance | <pre><tns:TXDEABER xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <prodAkzeptanzEnde>{1,1}</prodAkzeptanzEnde> <prodProdukt_ID>{1,1}</prodProdukt_ID> </tns:TXDEABER></pre> |
| Source | <pre><xs:element name="TXDEABER" type="tns:TXDEABER_Req_Type"> <xs:annotation> <xs:documentation>Element: Dienstanfrage: "Loeschen einer Produkt-Akzeptanz von allen akzeptierenden Organisationen"</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSMITA_Type |
| Properties | content: complex nillable: false |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , appSperrkandidat |
| Children | appSperrkandidat, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Instance | <pre><tns:TXSMITA xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <sperrAnforderungBezug>{1,1}</sperrAnforderungBezug></pre> |

| | |
|-----------------|--|
| | <pre><sperrEntscheidung>{1,1}</sperrEntscheidung> <appSperrkandidat>{1,1}</appSperrkandidat> </tns:TXSMITA></pre> |
| Source | <pre><xs:element name="TXSMITA" type="tns:TXSMITA_Type" nillable="false"> <xs:annotation> <xs:documentation>Element: Sperrmitteilung Applikation</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <pre> classDiagram class tnsTXSFREIMITA_Type class tnsTXSMITA_Type["tns:TXSMITA_Type (extension base)"] class tnsTXSMIT_Type["tns:TX_SMIT_Type (extension base)"] class tnsTXBASE_Type["tns:TX_BASE_Type (extension base)"] class txbase class sperrAnforderungBezug class sperrEntscheidung class appSperrkandidat tnsTXSFREIMITA_Type -- > tnsTXSMITA_Type tnsTXSMITA_Type -- > tnsTXSMIT_Type tnsTXSMIT_Type -- > tnsTXBASE_Type tnsTXSFREIMITA_Type -- txbase tnsTXSFREIMITA_Type -- sperrAnforderungBezug tnsTXSFREIMITA_Type -- appSperrkandidat </pre> |
| Type | tns:TXSFREIMITA_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSMITA_Type tns:TXSFREIMITA_Type |
| Properties | content: complex |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , appSperrkandidat |
| Children | appSperrkandidat, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Instance | <pre><tns:TXSFREIMITA xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <sperrAnforderungBezug>{1,1}</sperrAnforderungBezug> <sperrEntscheidung>{1,1}</sperrEntscheidung> <appSperrkandidat>{1,1}</appSperrkandidat> </tns:TXSFREIMITA></pre> |
| Source | <pre><xs:element name="TXSFREIMITA" type="tns:TXSFREIMITA_Type"> <xs:annotation> <xs:documentation>Element: Sperrfreigabemitteilung Applikation</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFSYMK_Type |
| Properties | content: complex |
| Model | txbase , sperrSperrgrund , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrSperrgrund, txbase |
| Instance | <pre><tns:TXSANFSYMK xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <sperrSperrgrund>{1,1}</sperrSperrgrund> <keySperrkandidatsym>{1,1}</keySperrkandidatsym> </tns:TXSANFSYMK></pre> |
| Source | <pre><xs:element name="TXSANFSYMK" type="tns:TXSANFSYMK_Type"> <xs:annotation> <xs:documentation>Element: Sperranforderung fuer einen symmetrischen Schluessel</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXSANFASYMK

| | |
|----------------|--|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Element: Sperranforderung fuer einen asymmetrischen Schluessel |
| Diagram | |
| Type | tns:TXSANFASYMK_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFASYMK_Type |
| Properties | content: complex |
| Model | txbase , sperrSperrgrund , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrSperrgrund, txbase |
| Instance | <pre><tns:TXSANFASYMK xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase></pre> |

| | |
|-----------------|---|
| | <pre> <sperrSperrgrund>{1,1}</sperrSperrgrund> <keySperrkandidatsym>{1,1}</keySperrkandidatsym> </tns:TXSANFASYMK> </pre> |
| Source | <pre> <xs:element name="TXSANFASYMK" type="tns:TXSANFASYMK_Type"> <xs:annotation> <xs:documentation>Element: Sperranforderung fuer einen asymmetrischen Schluessel</ </xs:annotation> </xs:element> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <pre> graph TD TXSAANFSYMK[tns:TXSAANFSYMK_Type] -- extension base --> TXSANFSYMK[tns:TXSANFSYMK_Type] TXSANFSYMK -- extension base --> TX_SANF[tns:TX_SANF_Type] TX_SANF -- extension base --> TX_BASE[tns:TX_BASE_Type] TXSAANFSYMK -- content --> txbase[txbase] TXSAANFSYMK -- content --> sperrSperrgrund[sperrSperrgrund] TXSAANFSYMK -- content --> keySperrkandidatsym[keySperrkandidatsym] </pre> |
| Type | tns:TXSAANFSYMK_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFSYMK_Type tns:TXSAANFSYMK_Type |
| Properties | content: complex |
| Model | txbase , sperrSperrgrund , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrSperrgrund, txbase |
| Instance | <pre> <tns:TXSAANFSYMK xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <sperrSperrgrund>{1,1}</sperrSperrgrund> <keySperrkandidatsym>{1,1}</keySperrkandidatsym> </tns:TXSAANFSYMK> </pre> |
| Source | <pre> <xs:element name="TXSAANFSYMK" type="tns:TXSAANFSYMK_Type"> <xs:annotation> <xs:documentation>Element: Sperraufhebungsanforderung fuer einen symmetrischen Schluessel</ </xs:annotation> </xs:element> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFASYMK_Type tns:TXSAANFASYMK_Type |
| Properties | content: complex |
| Model | txbase , sperrSperrgrund , keySperrkandidatasy |
| Children | keySperrkandidatasy, sperrSperrgrund, txbase |
| Instance | <pre><tns:TXSAANFASYMK xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <sperrSperrgrund>{1,1}</sperrSperrgrund> <keySperrkandidatasy>{1,1}</keySperrkandidatasy> </tns:TXSAANFASYMK></pre> |
| Source | <pre><xs:element name="TXSAANFASYMK" type="tns:TXSAANFASYMK_Type"> <xs:annotation> <xs:documentation>Element: Sperraufhebungsanforderung fuer einen asymmetrischen Schluessel</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSFREIMITSYMK_Type |

| | |
|-----------------|---|
| Properties | content: complex |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Instance | <pre><tns:TXSFREIMITASYMK xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <sperrAnforderungBezug>{1,1}</sperrAnforderungBezug> <sperrEntscheidung>{1,1}</sperrEntscheidung> <keySperrkandidatsym>{1,1}</keySperrkandidatsym> </tns:TXSFREIMITASYMK></pre> |
| Source | <pre><xs:element name="TXSFREIMITASYMK" type="tns:TXSFREIMITASYMK_Type"> <xs:annotation> <xs:documentation>Element: Sperrfreigabemitteilung symmetrischer Key</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXSFREIMITASYMK

| | |
|-----------------|---|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Element: Sperrfreigabemitteilung asymmetrischer Key |
| Diagram | |
| Type | tns:TXSFREIMITASYMK_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSFREIMITASYMK_Type |
| Properties | content: complex |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Instance | <pre><tns:TXSFREIMITASYMK xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <sperrAnforderungBezug>{1,1}</sperrAnforderungBezug> <sperrEntscheidung>{1,1}</sperrEntscheidung> <keySperrkandidatsym>{1,1}</keySperrkandidatsym> </tns:TXSFREIMITASYMK></pre> |
| Source | <pre><xs:element name="TXSFREIMITASYMK" type="tns:TXSFREIMITASYMK_Type"> <xs:annotation> <xs:documentation>Element: Sperrfreigabemitteilung asymmetrischer Key</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXSMITASYMK

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

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

Element tns:TXSMITASYMK

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

| | |
|-----------------|---|
| Children | keySperrkandidatasymp, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Instance | <pre><tns:TXSMITASYMK xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <sperrAnforderungBezug>{1,1}</sperrAnforderungBezug> <sperrEntscheidung>{1,1}</sperrEntscheidung> <keySperrkandidatasymp>{1,1}</keySperrkandidatasymp> </tns:TXSMITASYMK></pre> |
| Source | <pre><xs:element name="TXSMITASYMK" type="tns:TXSMITASYMK_Type"> <xs:annotation> <xs:documentation>Element: Sperrmitteilung asymmetrischer Schluessel</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXSNAWA

| | |
|-----------------|---|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Element: Dienstanfrage "Sperrnachweis Applikation" |
| Diagram | |
| Type | tns:TXSNAWA_Req_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXSNAWA_Req_Type |
| Properties | content: complex |
| Model | txbase , (samSperrkandidat orgSperrkandidat) , zyklusNummer , sperrtransaktionApplikation , appNmTransaktionMAC |
| Children | appNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrtransaktionApplikation, txbase, zyklusNummer |
| Instance | <pre><tns:TXSNAWA xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <samSperrkandidat>{1,1}</samSperrkandidat> <orgSperrkandidat>{1,1}</orgSperrkandidat> <zyklusNummer>{1,1}</zyklusNummer> <sperrtransaktionApplikation>{1,1}</sperrtransaktionApplikation> <appNmTransaktionMAC>{1,1}</appNmTransaktionMAC> </tns:TXSNAWA></pre> |
| Source | <pre><xs:element name="TXSNAWA" type="tns:TXSNAWA_Req_Type"> <xs:annotation> <xs:documentation>Element: Dienstanfrage "Sperrnachweis Applikation"</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXSNAWB

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

| | |
|-----------------|---|
| Diagram | |
| Type | tns:TXSNAWB_Req_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXSNAWB_Req_Type |
| Properties | content: complex |
| Model | txbase , (samSperrkandidat orgSperrkandidat) , zyklusNummer , sperrrtransaktionBerechtigung , berNmTransaktionMAC |
| Children | berNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrrtransaktionBerechtigung, txbase, zyklusNummer |
| Instance | <pre><tns:TXSNAWB xmlns:tns="http://vdv/ka/ion/2"> <txbase>{1,1}</txbase> <samSperrkandidat>{1,1}</samSperrkandidat> <orgSperrkandidat>{1,1}</orgSperrkandidat> <zyklusNummer>{1,1}</zyklusNummer> <sperrrtransaktionBerechtigung>{1,1}</sperrrtransaktionBerechtigung> <berNmTransaktionMAC>{1,1}</berNmTransaktionMAC> </tns:TXSNAWB></pre> |
| Source | <pre><xs:element name="TXSNAWB" type="tns:TXSNAWB_Req_Type"> <xs:annotation> <xs:documentation>Element: Dienstanfrage "Sperrnachweis Berechtigung"</xs:documentation> </xs:annotation> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |


Simple Type(s)

Simple Type tns:SAM_ID_Type

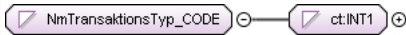
| | | | | | |
|----------------|---|--------------|----------|--------------|---|
| Namespace | http://vdv/ka/ion/2 | | | | |
| Annotations | Type: Eindeutiger Identifizierer eines Secure Application Module (SAM) | | | | |
| Diagram | | | | | |
| Type | tns:ReferenceNumberThree | | | | |
| Type hierarchy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

| | |
|-----------------|---|
| | <pre><xs:restriction base="ct:ReferenceNumberThree"/> </xs:simpleType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Simple Type `tns:OrtsTyp_CODE_Type`

| | | | | | |
|-----------------|---|--------------|-----|--------------|---|
| Namespace | http://vdv/ka/ion/2 | | | | |
| Annotations | Classifies locations, see Spec BOM, table 6-69. Die direkte Referenz auf die Aufzaehlung wurde im Rahmen von CR-239 entfernt und damit die automatische Validierung auf die Beschraenkung der Aufzaehlungselemente entfernt, um Codes erweitern zu koennen. Der sematische Check muss in der Software mit Hilfe der Aufzaehlung OrtsTypeEnum_Type im entsprechenden Schema (XML-Schema_ION_Enums_ext-1.x.x.xsd) umgesetzt werden. | | | | |
| Diagram |  | | | | |
| Type | tns:INT1 | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:OrtsTyp_CODE_Type | | | | |
| 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:Ort_ID_Type/ortTyp | | | | |
| Source | <pre><xs:simpleType name="OrtsTyp_CODE_Type"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"/> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 |  | | |
| Type | restriction of tns:INT1 | | |
| Type hierarchy | <ul style="list-style-type: none">• xs:unsignedInt<ul style="list-style-type: none">• tns:INT1<ul style="list-style-type: none">• tns:NmTransaktionsTyp_CODE | | |
| 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 | BO |
| | enumeration | 24 | INOUT |
| | enumeration | 25 | Rueckgabetransaktion - Applikation oder Berechtigung |
| | enumeration | 27 | Kontrolle |
| | enumeration | 28 | Belastungstransaktion - Berechtigung und Gutschriften bei Rueckzahlung (POB/PEB/WEB) |
| | enumeration | 29 | Belastungstransaktion WEB mit Autoload |
| | enumeration | 30 | WEB Buchung(Laden/Entladen) |
| | enumeration | 31 | WEB-CI mit Autoload |
| | enumeration | 32 | WEB-CO mit Autoload |
| | enumeration | 33 | Kontrolle nach CI; BIBO oder Entwertung |
| | enumeration | 34 | Check personal (CPKontrolldatensatz fuer Kontrollterminal) |
| | enumeration | 35 | Auto CO |
| | enumeration | 36 | manuelles CO (nachtraeglich durch den Nutzer) |
| | enumeration | 37 | Ausgabe EFS ueber Aktionsliste |
| | enumeration | 38 | Entsperrtransaktion EFS ueber Aktionsliste |
| | enumeration | 39 | Rückgabetransaktion EFS ueber Aktionsliste |
| Used by | Element | tns:TX_LOG_Type/tns:logTransaktionsTyp_ID | |
| Source | <pre><xs:simpleType name="NmTransaktionsTyp_CODE"> <xs:annotation> <xs:documentation>Der NmTransaktionstyp_CODE klassifiziert Arten von Transaktionen, die mit Wertobjekten auf dem Nutzermedium auftreten</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Keine Angabe</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Ausgabetransaktion - Applikation oder Berechtigung</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>Entwertung</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="11"> <xs:annotation> <xs:documentation>CI</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="12"> <xs:annotation> <xs:documentation>CO</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="15"> <xs:annotation> <xs:documentation>Einzahlung - Berechtigung</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="16"> <xs:annotation> <xs:documentation>CI nach Fahrtfortsetzung</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="18"> <xs:annotation> <xs:documentation>NTP Aendern</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre> | | |


```

</xs:enumeration>
<xs:enumeration value="20">
  <xs:annotation>
    <xs:documentation>Sperrrtransaktion Applikation oder Berechtigung</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="21">
  <xs:annotation>
    <xs:documentation>Entsperrrtransaktion Applikation oder Berechtigung</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="22">
  <xs:annotation>
    <xs:documentation>BI</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="23">
  <xs:annotation>
    <xs:documentation>BO</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="24">
  <xs:annotation>
    <xs:documentation>INOUT</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="25">
  <xs:annotation>
    <xs:documentation>Rueckgabetransaktion - Applikation oder Berechtigung</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="27">
  <xs:annotation>
    <xs:documentation>Kontrolle</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="28">
  <xs:annotation>
    <xs:documentation>Belastungstransaktion - Berechtigung und Gutschriften bei Rueckzahlung
(POB/PEB/WEB)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="29">
  <xs:annotation>
    <xs:documentation>Belastungstransaktion WEB mit Autoload</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="30">
  <xs:annotation>
    <xs:documentation>WEB Buchung(Laden/Entladen)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="31">
  <xs:annotation>
    <xs:documentation>WEB-CI mit Autoload</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="32">
  <xs:annotation>
    <xs:documentation>WEB-CO mit Autoload</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="33">
  <xs:annotation>
    <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>


```

| | |
|-----------------|---|
| | <pre> <xs:enumeration value="37"> <xs:annotation> <xs:documentation>Ausgabe EFS ueber Aktionsliste</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="38"> <xs:annotation> <xs:documentation>Entsperrrtransaktion EFS ueber Aktionsliste</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="39"> <xs:annotation> <xs:documentation>Rückgabetransaktion EFS ueber Aktionsliste</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |


Simple Type `tns:TransSignatur_Type`

| | |
|-----------------|--|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Typ fuer die Signatur auf der Transaktion (altes Verfahren) |
| Diagram |  |
| Type | restriction of xs:hexBinary |
| Facets | length 128 |
| Used by | Elements tns:ION_TX_HEADER_Type/transSignatur, tns:TX_RET_Type/transOrigSignatur |
| Source | <pre> <xs:simpleType name="TransSignatur_Type"> <xs:annotation> <xs:documentation>Typ fuer die Signatur auf der Transaktion (altes Verfahren)</xs:documentation> </xs:annotation> <xs:restriction base="xs:hexBinary"> <xs:length value="128" fixed="true"/> </xs:restriction> </xs:simpleType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | Element tns:TXAS_Type/transSendeAuftrag |
| Source | <pre> <xs:simpleType name="PrintableString"> <xs:restriction base="xs:string"> <xs:pattern value="[-p]*"/> </xs:restriction> </xs:simpleType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT1 <ul style="list-style-type: none"> tns:AuftragsTyp_CODE | | | | |
| 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><xs:simpleType name="AuftragsTyp_CODE"> <xs:annotation> <xs:documentation>Der Code des Auftrages als Aufzaehlung.</xs:documentation> </xs:annotation> <!-- TODO: bitte als Aufzaehlung!!! --> <xs:restriction base="ct:INT1"/> </xs:simpleType></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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">• xs:unsignedInt<ul style="list-style-type: none">• tns:INT1<ul style="list-style-type: none">• tns:Abrechnungsverfahren_CODE_Type | | |
| Facets | maxInclusive | 255 | |
| | minInclusive | 0 | |
| | enumeration | 0 | Keine Angabe |
| | enumeration | 1 | Pre-Paid |
| | enumeration | 2 | Post-Paid |
| | enumeration | 3 | Trip-Paid |
| Used by | Elements | tns:TXANLN_Type/tns:prodAbrechnungsverfahren, tns:TXAUSEFS_Type/tns:prodAbrechnungsverfahren, tns:TX_BER_Type/prodAbrechnungsverfahren | |
| Source | <pre><xs:simpleType name="Abrechnungsverfahren_CODE_Type"> <xs:annotation> <xs:documentation>Der Abrechnungsverfahren_CODE klassifiziert das Verfahren der Fahrpreisabrechnung.</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Keine Angabe</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Pre-Paid</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>Post-Paid</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Trip-Paid</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre> | | |

| | |
|-----------------|---|
| | <code></xs:simpleType></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 Bezahlart_CODE_Type[Bezahlart_CODE_Type] --- restriction ct:INT1[ct:INT1] </pre> | |
| Type | tns:INT1 | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:Bezahlart_CODE_Type | |
| Facets | maxInclusive | 255 |
| | minInclusive | 0 |
| Used by | Elements | tns:TXANLN_Type/tns:berBezahlArt, tns:TXAUSEFS_Type/tns:berBezahlArt, tns:TX_BER_Type/berBezahlArt |
| Source | <pre> <xs:simpleType name="Bezahlart_CODE_Type"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"/> </xs:simpleType> </pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT1 tns:TerminalTyp_CODE_Type | |
| Facets | maxInclusive | 255 |
| | minInclusive | 0 |
| Used by | Element | tns:Terminal_ID_Type/terminalTyp |
| Source | <pre> <xs:simpleType name="TerminalTyp_CODE_Type"> </pre> | |

| | |
|----------------------|--|
| | <pre> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"/> </xs:simpleType> </pre> |
| Schema loca- tion | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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> <xs:simpleType name="Mitteilung_CODE_Type"> <xs:annotation> <xs:documentation>Typ: Mitteilung Codes BOM 6_40</xs:documentation> </xs:annotation> <xs:restriction base="xs:unsignedInt"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> </xs:restriction> </xs:simpleType> </pre> | | | | | | | | |
| Schema loca- tion | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 hierar- chy | <ul style="list-style-type: none">• xs:unsignedInt<ul style="list-style-type: none">• tns:INT1<ul style="list-style-type: none">• tns:CommonServiceResultCode | | |
| 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> <xs:simpleType name="CommonServiceResultCode"> <xs:annotation> <xs:documentation>Dienstuebergreifende Ergebniscodes. In BOM Ablehnungstype_Code bis auf Fall "0". Dieser Typ ist nicht direkt eingebunden und dient der Vollstaendigkeit der Schnittstelle.</ </xs:documentation> </xs:annotation> <xs:restriction base="ct:INT1"> <!-- <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Erfolgreich</ </xs:documentation> </xs:annotation> </xs:enumeration> --> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>Daten des SOAP Headers stimmen nicht mit den Transaktionsdaten der fachlichen Nachricht ueberein.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Falsche Senderrolle</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4"> <xs:annotation> <xs:documentation>Organisations-ID des Senders ist unbekannt</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Die Organisation wurde durch den AH gesperrt</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="8"> <xs:annotation> <xs:documentation>Transaktion betrifft gesperrtes Objekt</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9"> <xs:annotation> <xs:documentation>Falsche Referenz</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="254"> <xs:annotation> <xs:documentation>Service/Transaktion wird nicht unterstuetzt</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre> | | |
| Schema loca- tion | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ ion/2/XML-Schema_ION.xsd | | |

Simple Type tns:SperrlistenZyklusNummer_Type

| | |
|---------------------|---|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | <p>Die sperrlistenZyklusNummer ist eine streng Monoton aufsteigende Sequenznummer.</p> <p>Sie wird in einem festen konfigurierbaren Turnus zu einem bestimmten Zeitpunkt inkrementiert (z.B. 1 mal taeglich um 1:00 Uhr).</p> <p>Zu einer SperrlistenZyklusNummer werden alle Sperrobjektzustaende, die zu diesem Zeitpunkt im Kose System erfasst wurden, assoziiert.</p> <p>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 | <pre> classDiagram class SperrlistenZyklusNummer_Type { ct:INT4 } class ct:INT4 SperrlistenZyklusNummer_Type -- > ct:INT4 </pre> |
| Type | tns:INT4 |
| Type hierar- chy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT4 tns:SperrlistenZyklusNummer_Type |
| Facets | maxInclusive 4294967295 |

| | | |
|-----------------|---|--|
| | minInclusive | 0 |
| Used by | Elements | tns:TXSNAWA_Req_Type/zyklusNummer, tns:TXSNAWB_Req_Type/zyklusNummer |
| Source | <pre><xs:simpleType name="SperrlistenZyklusNummer_Type"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> <xs:restriction base="ct:INT4"/> </xs:simpleType></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | |

Complex Type(s)

Complex Type tns:Ort_ID_Type

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

Complex Type tns:TXAS_Type

| | | |
|----------------|---|--|
| Namespace | http://vdv/ka/ion/2 | |
| Annotations | Typ: Aufforderung zum Senden | |
| Diagram | | |
| Type | extension of tns:TX_BASE_Type | |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXAS_Type | |

| | | |
|-----------------|---|------------------------------------|
| Used by | Complex Types | tns:TXASBER_Type, tns:TXASKON_Type |
| | Element | tns:TXAS |
| Model | txbase , transSendeAuftrag , transSendeAuftragstyp | |
| Children | transSendeAuftrag, transSendeAuftragstyp, txbase | |
| Source | <pre> <xs:complexType name="TXAS_Type"> <xs:annotation> <xs:documentation>Typ: Aufforderung zum Senden</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_BASE_Type"> <xs:sequence> <xs:element name="transSendeAuftrag"> <xs:simpleType> <xs:restriction base="tns:PrintableString"> <xs:minLength value="0"/> <xs:maxLength value="10"/> </xs:restriction> </xs:simpleType> </xs:element> <!-- TODO Wilk Hoffmann: Wenn dann bitte mit Aufzaehlung (verschoben bis stabil)--> <xs:element name="transSendeAuftragstyp" type="tns:AuftragsTyp_CODE"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | tns:TXABER_Type, tns:TXADM_Type, tns:TXAEBER_Type, tns:TXAENBER_Type, tns:TXANLN_Type, tns:TXAS_Type, tns:TXAUSEFS_Type, tns:TXBEKODL_Type, tns:TXBEWEBKOKVP_Type, tns:TXDEABER_Req_Type, tns:TXEBER_Type, tns:TXGKO_Type, tns:TXGWEB_Type, tns:TXKNAWA_Type, tns:TXKNAWB_Type, tns:TXLPEB_Type, tns:TXRBER_Type, tns:TXSNAWA_Req_Type, tns:TXSNAWB_Req_Type, tns:TXTRANSABBRUCH_Type, tns:TXUEBERKON_Type, tns:TX_RET_Type, tns:TX_SANF_Type, tns:TX_SMIT_Type |
| Model | txbase | |
| Children | txbase | |
| Source | <pre> <xs:complexType name="TX_BASE_Type"> <xs:annotation> <xs:documentation>Basisdaten fuer alle Transaktionen</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="txbase" type="tns:ION_TX_HEADER_Type"> <xs:annotation> <xs:documentation>Fachliche Daten ueber die in der Transaktion involvierten Systeme</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | |

Complex Type tns:ION_TX_HEADER_Type

| | | |
|-------------|---|--|
| Namespace | http://vdv/ka/ion/2 | |
| Annotations | Routing relevante Daten des Nachrichtenkopfs von VDV KA Transaktionen | |

| | |
|-----------------|--|
| Diagram | |
| Used by | Element tns:TX_BASE_Type/txbase |
| Model | transAuftrag{0,1} , transEmpfaenger_ID , transEmpfaengerRolle , transStatus{0,1} , transTransaktion_ID , transTransaktionsTyp{0,1} , transTransaktionsZeitpunkt , transVersion{0,1} , transWiederholungsZaehler{0,1} , transSignaturTyp{0,1} , transSignaturZertifikat{0,1} , transSignatur{0,1} |
| Children | transAuftrag, transEmpfaengerRolle, transEmpfaenger_ID, transSignatur, transSignaturTyp, transSignaturZertifikat, transStatus, transTransaktion_ID, transTransaktionsTyp, transTransaktionsZeitpunkt, transVersion, transWiederholungsZaehler |
| Source | <pre> <xs:complexType name="ION_TX_HEADER_Type"> <xs:annotation> <xs:documentation>Routing relevante Daten des Nachrichtenkopfs von VDV KA Transaktionen</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="transAuftrag" type="xs:string" minOccurs="0" maxOccurs="1"/> <xs:element name="transEmpfaenger_ID" type="ka:Organisation_ID"> <xs:annotation> <xs:documentation>Eindeutige OrganisationsId des Nachrichtenempfaengers</xs:documentation> </xs:annotation> </xs:element> <xs:element name="transEmpfaengerRolle" type="ka:KommunikationsParterRolle"> <xs:annotation> <xs:documentation>Rolle des Nachrichtenempfaengers</xs:documentation> </xs:annotation> </xs:element> <xs:element name="transStatus" type="ct:INT1" minOccurs="0" maxOccurs="1"/> <xs:element name="transTransaktion_ID" type="tns:IONTransaktion_ID_Type"/> <xs:element name="transTransaktionsTyp" type="ct:INT1" minOccurs="0" maxOccurs="1"/> <xs:element name="transTransaktionsZeitpunkt" type="ct:DateTime"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="transVersion" type="ct:BitString16" minOccurs="0" maxOccurs="1"/> <xs:element name="transWiederholungsZaehler" type="ct:INT1" minOccurs="0" maxOccurs="1"/> <xs:element name="transSignaturTyp" type="ct:INT1" minOccurs="0" maxOccurs="1"/> <xs:element name="transSignaturZertifikat" minOccurs="0" maxOccurs="1"> <xs:simpleType> <xs:restriction base="xs:hexBinary"> <xs:length value="378" fixed="true"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="transSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | Typ: ID fuer Transaktionen, die ueber das ION (Interoperables Netzwerk) durchgefuehrt werden. Aufgabe dieses Elements ist es, eine Korrelation zwischen der Dienstantwort und der ursprunglichen Dienstanfrage herzustellen. transSequenznummer wird initial vom Dienstafrufer vergeben und wird unveraendert fuer die Dauer der Kommunikation genutzt. |
| Diagram | |
| Used by | Elements tns:ION_TX_HEADER_Type/transTransaktion_ID, tns:TX_RET_Type/transOrigID, tns:TX_SMIT_Type/sperrAnforderungBezug |
| Model | transSequenznummer , transSenderRolle , transSender_ID |
| Children | transSenderRolle, transSender_ID, transSequenznummer |
| Source | <pre><xs:complexType name="IONTransaktion_ID_Type"> <xs:annotation> <xs:documentation>Typ: ID fuer Transaktionen, die ueber das ION (Interoperables Netzwerk) durchgefuehrt werden. Aufgabe dieses Elements ist es, eine Korrelation zwischen der Dienstantwort und der ursprunglichen Dienstanfrage herzustellen. transSequenznummer wird initial vom Dienstafrufer vergeben und wird unveraendert fuer die Dauer der Kommunikation genutzt.</ </xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="transSequenznummer" type="ct:SequenceNumberFour" /> <xs:element name="transSenderRolle" type="ka:KommunikationsParterRolle" /> <xs:element name="transSender_ID" type="ka:Organisation_ID" /> </xs:sequence> </xs:complexType></pre> |
| Schema location | file:C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | Elements tns:TXANLN_Type/tns:prodProdukt_ID, tns:TXASBER_Type/tns:prodProdukt_ID, tns:TX-AUSEFS_Type/tns:prodProdukt_ID, tns:TXDEABER_Req_Type/prodProdukt_ID, tns:TXSANF-B_Type/tns:prodProdukt_ID |
| Model | produktNummer{0,1} , organisationID |
| Children | organisationID, produktNummer |
| Source | <pre><xs:complexType name="EFMPProdukt_ID_Type"> <xs:annotation> <xs:documentation>Typ: Datenstruktur EFMPProdukt_ID, bestehend aus Produktverantwortlichen und Produktnummer (zusammen eindeutig)</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="produktNummer" type="ct:ReferenceNumberTwo" minOccurs="0" maxOccurs="1" /> <xs:element name="organisationID" type="ka:Organisation_ID" /> </xs:sequence> </xs:complexType></pre> |
| Schema location | file:C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Complex Type tns:Berechtigung_ID_Type

| | |
|-------------|----------------------------|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Typ: ID einer Berechtigung |
| Diagram | |

| | |
|-----------------|---|
| Used by | Elements tns:TXANLN_Type/tns:berBerechtigung_ID, tns:TXASBER_Type/tns:berBerechtigung_ID, tns:TXAUSEFS_Type/tns:berBerechtigung_ID, tns:TXBEKÖDL_Type/tns:berBerechtigung_ID, tns:TXKNAWB_Type/tns:berBerechtigung_ID, tns:TXSANFB_Type/tns:berBerechtigung_ID, tns:TXSFREIMTB_Type/tns:berSperrkandidat, tns:TXSMITB_Type/tns:berSperrkandidat |
| Model | berechtigungNummer , kvp_ID |
| Children | berechtigungNummer, kvp_ID |
| Source | <pre><xs:complexType name="Berechtigung_ID_Type"> <xs:annotation> <xs:documentation>Typ: ID einer Berechtigung</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="berechtigigungNummer" type="ct:ReferenceNumberFour" /> <xs:element name="kvp_ID" type="ka:Organisation_ID" /> </xs:sequence> </xs:complexType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Complex Type tns:NmApplikationInstanz_ID_Type

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

Complex Type tns:TX_BER_Type

| | |
|-------------|---|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Typ: Basisdaten fuer Berechtigungstransaktionen |
| Diagram | |
| Used by | Elements tns:TXABER_Type/tns:tx_ber, tns:TXAEBER_Type/tns:tx_ber |
| Model | berGueltigkeitsbeginn , berGueltigkeitsende , prodAbrechnungsVerfahren , berBezahlArt , berBezahlMittel |
| Children | berBezahlArt, berBezahlMittel, berGueltigkeitsbeginn, berGueltigkeitsende, prodAbrechnungsVerfahren |
| Source | <pre><xs:complexType name="TX_BER_Type"> <xs:annotation> <xs:documentation>Typ: Basisdaten fuer Berechtigungstransaktionen</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="berGueltigkeitsbeginn" type="ct:DateTimeCompact" /> <xs:element name="berGueltigkeitsende" type="ct:DateTimeCompact" /> </xs:sequence></pre> |

| | |
|-----------------|--|
| | <pre> <!-- Wilk Hoffmann: korrigiert --> <xs:element name="prodAbrechnungsverfahren" type="tns:Abrechnungsverfahren_CODE_Type" /> <!-- Wilk Hoffmann: korrigiert --> <xs:element name="berBezahlArt" type="tns:Bezahlart_CODE_Type" /> <xs:element name="berBezahlMittel" type="ct:OctetString10" /> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <p>Elements</p> <p>tns:TXABER_Type/tns:ausgabeTransaktionBerechtigung, tns:TXAENBER_Type/tns:fahrttransaktion, tns:TXBEKODL_Type/tns:fahrttransaktion, tns:TXBEWEBKOKVP_Type/tns:belastungstransaktion-Berechtigung, tns:TXEBER_Type/tns:fahrttransaktion, tns:TXGKO_Type/tns:belastungstransaktion-Berechtigung, tns:TXGWEB_Type/tns:belastungstransaktionBerechtigung, tns:TXLPEB_Type/tns:einzahlungsbelegBerechtigung, tns:TXRBER_Type/tns:ruecknahmeTransaktionBerechtigung, tns:TXSNAWA_Req_Type/sperrtransaktionApplikation, tns:TXSNAWB_Req_Type/sperrtransaktionBerechtigung</p> |
| Model | Transaktionsdaten |
| Children | Transaktionsdaten |
| Source | <pre> <xs:complexType name="Transaktionsdatensatz_Type"> <xs:annotation> <xs:documentation>Typ: Transaktionsdatensatz</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Transaktionsdaten" type="xs:hexBinary" /> </xs:sequence> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <p>Elements</p> <p>tns:TXABER_Type/tns:berNmTransaktionMAC, tns:TXAENBER_Type/tns:berNmTransaktionMAC, tns:TXBEKODL_Type/tns:berNmTransaktionMAC, tns:TXBEWEBKOKVP_Type/tns:berNmTransaktionMAC, tns:TXEBER_Type/tns:berNmTransaktionMAC, tns:TXGKO_Type/tns:berNmTransaktionMAC, tns:TXGWEB_Type/tns:berNmTransaktionMAC, tns:TXLPEB_Type/tns:berNmTransaktionMAC, tns:TXRBER_Type/tns:berNmTransaktionMAC, tns:TXSNAWB_Req_Type/berNmTransaktionMAC</p> |
| Model | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesssel_ID , berMAC_KVP_Schluesssel_ID |
| Children | berMAC_KVP, berMAC_KVP_Schluesssel_ID, berMAC_PV, berMAC_PV_Schluesssel_ID |
| Source | <pre> <xs:complexType name="berNmTransaktionMAC_Type"> <xs:annotation> <xs:documentation>Typ: MAC-Sicherung fuer Berechtigungs-Transaktionen</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="berMAC_PV" type="ct:OctetString8" /> <xs:element name="berMAC_KVP" type="ct:OctetString8" /> <xs:element name="berMAC_PV_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type" /> <xs:element name="berMAC_KVP_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type" /> </xs:sequence> </xs:complexType> </pre> |

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|-----------------|---|
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|---|

Complex Type **tns:SymSchluessel_ID_Type**

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

Complex Type **tns:Terminal_ID_Type**

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

Complex Type **tns:TX_SANF_Type**


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

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

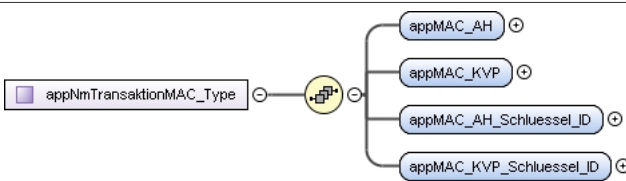
Complex Type tns:TX_SMIT_Type

| | |
|-----------------|---|
| 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"> tns:TX_BASE_Type tns:TX_SMIT_Type |
| Used by | Complex Types tns:TXSFREIMITASYMK_Type, tns:TXSFREIMITB_Type, tns:TXSFREIMITO_Type, tns:TXSFREIMITSYMK_Type, tns:TXSFREIMITS_Type, tns:TXSMITASYMK_Type, tns:TXSMITATA_Type, tns:TXSMITB_Type, tns:TXSMITO_Type, tns:TXSMITSYMK_Type, tns:TXSMITS_Type |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung |
| Children | sperrAnforderungBezug, sperrEntscheidung, txbase |
| Source | <pre> <xs:complexType name="TX_SMIT_Type"> <xs:annotation> <xs:documentation>Typ: Basisdaten fuer Sperrmitteilungen</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_BASE_Type"> <xs:sequence> <xs:element name="sperrAnforderungBezug" type="tns:IONTransaktion_ID_Type" /> <xs:element name="sperrEntscheidung" type="tns:Mitteilung_CODE_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

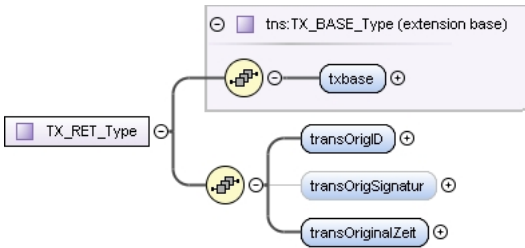
Complex Type tns:ASymSchluessel_ID_Type

| | |
|-----------------|--|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Type: Identifizierungsmerkmal, das den Schluessel eindeutig bestimmt. |
| Diagram |  |
| Used by | Elements tns:TXSANFASYMK_Type/keySperrkandidatasym, tns:TXSFREIMITASYMK_Type/keySperrkandidatasym, tns:TXSMITASYMK_Type/keySperrkandidatasym |
| Model | signaturSchluessel |
| Children | signaturSchluessel |
| Source | <pre><xs:complexType name="ASymSchluessel_ID_Type"> <xs:annotation> <xs:documentation>Type: Identifizierungsmerkmal, das den Schluessel eindeutig bestimmt.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="signaturSchluessel" type="ct:OctetString12"/> </xs:sequence> </xs:complexType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Complex Type tns:appNmTransaktionMAC_Type

| | |
|-----------------|---|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Typ: MAC-Sicherung fuer Applikations-Transaktionen |
| Diagram |  |
| Used by | Element tns:TXSNAWA_Req_Type/appNmTransaktionMAC |
| Model | appMAC_AH, appMAC_KVP, appMAC_AH_Schluessel_ID, appMAC_KVP_Schluessel_ID |
| Children | appMAC_AH, appMAC_AH_Schluessel_ID, appMAC_KVP, appMAC_KVP_Schluessel_ID |
| Source | <pre><xs:complexType name="appNmTransaktionMAC_Type"> <xs:annotation> <xs:documentation>Typ: MAC-Sicherung fuer Applikations-Transaktionen</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="appMAC_AH" type="ct:OctetString8"/> <xs:element name="appMAC_KVP" type="ct:OctetString8"/> <xs:element name="appMAC_AH_Schluessel_ID" type="tns:SymSchluessel_ID_Type"/> <xs:element name="appMAC_KVP_Schluessel_ID" type="tns:SymSchluessel_ID_Type"/> </xs:sequence> </xs:complexType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 |

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|-----------------|---|
| Type hierarchy | <ul style="list-style-type: none"> • tns:TX_BASE_Type • tns:TX_RET_Type |
| Used by | Complex Types tns:TXA_Type, tns:TXB_Type |
| Model | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit |
| Children | transOrigID, transOrigSignatur, transOriginalZeit, txbase |
| Source | <pre><xs:complexType name="TX_RET_Type"> <xs:annotation> <xs:documentation>Typ: Basisdaten fuer Antworttransaktion</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_BASE_Type"> <xs:sequence> <xs:element name="transOrigID" type="tns:IONTransaktion_ID_Type"/> <xs:element name="transOrigSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/> <xs:element name="transOriginalZeit" type="xs:dateTime"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> • tns:TX_BASE_Type • tns:TX_RET_Type • tns:TXA_Type |
| Used by | Elements tns:TXA, tns:TXARequest |
| Model | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , transAblehnungGrund |
| Children | transAblehnungGrund, transOrigID, transOrigSignatur, transOriginalZeit, txbase |
| Source | <pre><xs:complexType name="TXA_Type"> <xs:annotation> <xs:documentation>Typ: Ablehnung einer ION-Transaktion</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_RET_Type"> <xs:sequence> <xs:element name="transAblehnungGrund" type="ct:INT1"> <xs:annotation> <xs:documentation>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 </pre> |

| | |
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| | <p>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.</xs:documentation></p> <pre> </xs:annotation> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_RET_Type tns:TXB_Type |
| Used by | Elements tns:TXB, tns:TXBRequest |
| Model | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit |
| Children | transOrigID, transOrigSignatur, transOriginalZeit, txbase |
| Source | <pre> <xs:complexType name="TXB_Type"> <xs:annotation> <xs:documentation>Typ: Bestaetigung einer ION-Transaktion</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_RET_Type"/> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Complex Type tns:TXDEABER_Req_Type

| | |
|----------------|---|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Typ: Dienstanfrage "Entfernen einer Produkt Akzeptanz fuer alle Organisationen" |
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXDEABER_Req_Type |

| | |
|-----------------|--|
| Used by | Element tns:TXDEABER |
| Model | txbase , prodAkzeptanzEnde , prodProdukt_ID |
| Children | prodAkzeptanzEnde, prodProdukt_ID, txbase |
| Source | <pre> <xs:complexType name="TXDEABER_Req_Type"> <xs:annotation> <xs:documentation>Typ: Dienstanfrage "Entfernen einer Produkt Akzeptanz fuer alle Organisationen"</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_BASE_Type"> <xs:sequence> <xs:element name="prodAkzeptanzEnde" type="ct:Date" /> <xs:element name="prodProdukt_ID" type="tns:EFMPprodukt_ID_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type <ul style="list-style-type: none"> tns:TX_SMIT_Type <ul style="list-style-type: none"> tns:TXSMITA_Type |
| Used by | Complex Type tns:TXSFREIMITA_Type Element tns:TXSMITA |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , appSperrkandidat |
| Children | appSperrkandidat, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Source | <pre> <xs:complexType name="TXSMITA_Type"> <xs:annotation> <xs:documentation>Typ: Sperrmitteilung Applikation</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_SMIT_Type"> <xs:sequence> <xs:element name="appSperrkandidat" type="tns:NmApplikationInstanz_ID_Type" nillable="false" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> • tns:TX_BASE_Type • tns:TX_SMIT_Type • tns:TXSMITA_Type • tns:TXSFREIMITA_Type |
| Used by | Element tns:TXSFREIMITA |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , appSperrkandidat |
| Children | appSperrkandidat, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Source | <pre> <xs:complexType name="TXSFREIMITA_Type"> <xs:annotation> <xs:documentation>Typ: Sperrfreigabemitteilung Applikation</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TXSMITA_Type" /> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> • tns:TX_BASE_Type • tns:TX_SANF_Type • tns:TXSANFSYMK_Type |
| Used by | Complex Type tns:TXSAANFSYMK_Type Element tns:TXSANFSYMK |
| Model | txbase , sperrSperrgrund , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrSperrgrund, txbase |
| Source | <pre> <xs:complexType name="TXSANFSYMK_Type"> <xs:annotation> <xs:documentation>Typ: Sperranforderung fuer einen symmetrischen Schluessel</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_SANF_Type" /> </xs:complexContent> </xs:complexType> </pre> |

| | |
|-----------------|--|
| | <pre> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_SANF_Type"> <xs:sequence> <xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_SANF_Type tns:TXSANFASYMK_Type | | | | |
| Used by | <table> <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 , keySperrkandidatsym | | | | |
| Children | keySperrkandidatsym, sperrSperrgrund, txbase | | | | |
| Source | <pre> <xs:complexType name="TXSANFASYMK_Type"> <xs:annotation> <xs:documentation>Typ: Sperranforderung fuer einen asymmetrischen Schluessel</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_SANF_Type"> <xs:sequence> <xs:element name="keySperrkandidatsym" type="tns:ASymSchluessel_ID_Type"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> • tns:TX_BASE_Type • tns:TX_SANF_Type • tns:TXSANFSYMK_Type • tns:TXSAANFSYMK_Type |
| Used by | Element tns:TXSAANFSYMK |
| Model | txbase , sperrSperrgrund , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrSperrgrund, txbase |
| Source | <pre> <xs:complexType name="TXSAANFSYMK_Type"> <xs:annotation> <xs:documentation>Typ: Sperraufhebungsanforderung fuer einen symmetrischen Schluessel</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TXSANFSYMK_Type" /> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> • tns:TX_BASE_Type • tns:TX_SANF_Type • tns:TXSANFASYMK_Type • tns:TXSAANFASYMK_Type |
| Used by | Element tns:TXSAANFASYMK |
| Model | txbase , sperrSperrgrund , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrSperrgrund, txbase |
| Source | <pre> <xs:complexType name="TXSAANFASYMK_Type"> </pre> |

| | |
|-----------------|---|
| | <pre> <xs:annotation> <xs:documentation>Typ: Sperraufhebungsanforderung fuer einen asymmetrischen Schluessel</ xs:documentation> </xs:annotation> <xs:complexType> <xs:extension base="tns:TXSANFASYMK_Type"/> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSFREIMITSYMK_Type |
| Used by | Element tns:TXSFREIMITSYMK |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Source | <pre> <xs:complexType name="TXSFREIMITSYMK_Type"> <xs:annotation> <xs:documentation>Typ: Sperrfreigabemitteilung symmetrischer Schluessel</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_SMIT_Type"> <xs:sequence> <xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Complex Type tns:TXSFREIMITASYMK_Type

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

| | |
|-----------------|---|
| Type | extension of tns:TX_SMIT_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSFREIMITASYMK_Type |
| Used by | Element tns:TXSFREIMITASYMK |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Source | <pre><xs:complexType name="TXSFREIMITASYMK_Type"> <xs:annotation> <xs:documentation>Typ: Sperrfreigabemitteilung asymmetrischer Schluessel</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_SMIT_Type"> <xs:sequence> <xs:element name="keySperrkandidatsym" type="tns:ASymSchluessel_ID_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSMITSYMK_Type |
| Used by | Element tns:TXSMITSYMK |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym |
| Children | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Source | <pre><xs:complexType name="TXSMITSYMK_Type"> <xs:annotation> <xs:documentation>Typ: Sperrmitteilung symmetrischer Schuessel</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_SMIT_Type"> <xs:sequence> <xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TX_SMIT_Type tns:TXSMITASYMK_Type |
| Used by | Element tns:TXSMITASYMK |
| Model | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatasym |
| Children | keySperrkandidatasym, sperrAnforderungBezug, sperrEntscheidung, txbase |
| Source | <pre> <xs:complexType name="TXSMITASYMK_Type"> <xs:annotation> <xs:documentation>Typ: Sperrmitteilung asymmetrischer Schuessel</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_SMIT_Type"> <xs:sequence> <xs:element name="keySperrkandidatasym" type="tns:ASymSchluessel_ID_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> tns:TX_BASE_Type tns:TXSNAWA_Req_Type |
| Used by | Element tns:TXSNAWA |
| Model | txbase , (samSperrkandidat orgSperrkandidat) , zyklusNummer , sperrtransaktionApplikation , appNmTransaktionMAC |
| Children | appNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrtransaktionApplikation, txbase, zyklusNummer |
| Source | <pre> <xs:complexType name="TXSNAWA_Req_Type"> <xs:annotation> <xs:documentation>Typ: Dienstanfrage "Sperrnachweis Applikation"</xs:documentation> </xs:annotation> </pre> |

| | |
|-----------------|---|
| | <pre> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_BASE_Type"> <xs:sequence> <xs:choice minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Wurde eine Applikation Aufgrund einer SAM bzw. Organisationssperre durchgefuehrt, so ist die SAM bzw. Org ID in dem jeweiligen Element zu uebermitteln.</ xs:documentation> </xs:annotation> <xs:element name="samSperrkandidat" type="tns:SAM_ID_Type"/> <xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/> </xs:choice> <xs:element name="zyklusNummer" type="tns:SperrlistenZyklusNummer_Type"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="sperrrtransaktionApplikation" type="tns:Transaktionsdatensatz_Type"/> <xs:element name="appNmTransaktionMAC" type="tns:appNmTransaktionMAC_Type"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Complex Type tns:TXSNAWB_Req_Type

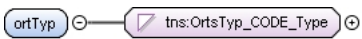
| | |
|----------------|--|
| Namespace | http://vdv/ka/ion/2 |
| Annotations | Typ: Dienstanfrage "Sperrnachweis Berechtigung" |
| Diagram | |
| Type | extension of tns:TX_BASE_Type |
| Type hierarchy | <ul style="list-style-type: none"> tns:TX_BASE_Type tns:TXSNAWB_Req_Type |
| Used by | Element tns:TXSNAWB |
| Model | txbase , (samSperrkandidat orgSperrkandidat) , zyklusNummer , sperrrtransaktionBerechtigung , berNmTransaktionMAC |
| Children | berNmTransaktionMAC, orgSperrkandidat, samSperrkandidat, sperrrtransaktionBerechtigung, txbase, zyklusNummer |
| Source | <pre> <xs:complexType name="TXSNAWB_Req_Type"> <xs:annotation> <xs:documentation>Typ: Dienstanfrage "Sperrnachweis Berechtigung"</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="tns:TX_BASE_Type"> <xs:sequence> <xs:choice minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Wurde eine Applikation Aufgrund einer SAM bzw. Organisationssperre durchgefuehrt, so ist die SAM bzw. Org ID in dem jeweiligen Element zu uebermitteln.</ xs:documentation> </xs:annotation> <xs:element name="samSperrkandidat" type="tns:SAM_ID_Type"/> <xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/> </xs:choice> <xs:element name="zyklusNummer" type="tns:SperrlistenZyklusNummer_Type"> <xs:annotation> </pre> |

| | |
|-----------------|--|
| | <pre> <xs:documentation>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.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="sperrrtransaktionBerechtigung" type="tns:Transaktionsdatensatz_Type" /> <xs:element name="berNmTransaktionMAC" type="tns:berNmTransaktionMAC_Type" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |


Namespace: ""

Element(s)


Element tns:Ort_ID_Type / ortTyp

| | | | | | |
|-----------------|---|--------------|-----|--------------|---|
| Namespace | No namespace | | | | |
| Diagram |  | | | | |
| Type | tns:OrtsTyp_CODE_Type | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:OrtsTyp_CODE_Type | | | | |
| 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><xs:element name="ortTyp" type="tns:OrtsTyp_CODE_Type" /></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT3 tns:ReferenceNumberThree | | | | |
| 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 | <pre><xs:element name="ortNummer" type="ct:ReferenceNumberThree" /></pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo tns:Organisation_ID | | | | |
| 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><xs:element name="ortDomaene_ID" type="ka:Organisation_ID"/></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | | | | |

Element tns:TX_BASE_Type / txbase

| | |
|-------------|---|
| Namespace | No namespace |
| Annotations | Fachliche Daten ueber die in der Transaktion involvierten Systeme |
| Diagram | |
| Type | tns:ION_TX_HEADER_Type |
| Properties | content: complex |
| Model | transAuftrag{0,1}, transEmpfaenger_ID, transEmpfaengerRolle, transStatus{0,1}, transTransaktion_ID, transTransaktionsTyp{0,1}, transTransaktionsZeitpunkt, transVersion{0,1}, 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> <txbase> <transAuftrag>{0,1}</transAuftrag> <transEmpfaenger_ID>{1,1}</transEmpfaenger_ID> <transEmpfaengerRolle>{1,1}</transEmpfaengerRolle> <transStatus>{0,1}</transStatus> <transTransaktion_ID>{1,1}</transTransaktion_ID> <transTransaktionsTyp>{0,1}</transTransaktionsTyp> <transTransaktionsZeitpunkt>{1,1}</transTransaktionsZeitpunkt> <transVersion>{0,1}</transVersion> <transWiederholungsZaehler>{0,1}</transWiederholungsZaehler> <transSignaturTyp>{0,1}</transSignaturTyp> <transSignaturZertifikat>{0,1}</transSignaturZertifikat> <transSignatur>{0,1}</transSignatur> </txbase> </pre> |
| Source | <code><xs:element name="txbase" type="tns:ION_TX_HEADER_Type"></code> |

| | |
|-----------------|---|
| | <pre> <xs:annotation> <xs:documentation>Fachliche Daten ueber die in der Transaktion involvierten Systeme</ xs:documentation> </xs:annotation> </xs:element> </pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <pre><xs:element name="transAuftrag" type="xs:string" minOccurs="0" maxOccurs="1"/></pre> | | | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo tns:Organisation_ID | | | | |
| 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> <xs:element name="transEmpfaenger_ID" type="ka:Organisation_ID"> <xs:annotation> <xs:documentation>Eindeutige OrganisationsId des Nachrichtenempfaengers</xs:documentation> </xs:annotation> </xs:element> </pre> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 Nachrichtenempfaengers | | | | |
| Diagram | | | | | |
| Type | tns:KommunikationsParterRolle | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:KommunikationsParterRolle | | | | |
| Properties | <table> <tr><td>content:</td><td>simple</td></tr> </table> | content: | simple | | |
| content: | simple | | | | |
| Facets | <table> <tr><td>maxInclusive</td><td>255</td></tr> <tr><td>minInclusive</td><td>0</td></tr> </table> | maxInclusive | 255 | minInclusive | 0 |
| 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 | <pre><xs:element name="transEmpfaengerRolle" type="ka:KommunikationsParterRolle"> <xs:annotation> <xs:documentation>Rolle des Nachrichtempfaengers</xs:documentation> </xs:annotation> </xs:element></pre> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | | |

Element tns:ION_TX_HEADER_Type / transStatus

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

Element tns:ION_TX_HEADER_Type / transTransaktion_ID


| | |
|-----------------|--|
| Namespace | No namespace |
| Diagram | |
| Type | tns:IONTransaktion_ID_Type |
| Properties | content: complex |
| Model | transSequenznummer , transSenderRolle , transSender_ID |
| Children | transSenderRolle, transSender_ID, transSequenznummer |
| Instance | <pre><transTransaktion_ID> <transSequenznummer>{1,1}</transSequenznummer> <transSenderRolle>{1,1}</transSenderRolle> <transSender_ID>{1,1}</transSender_ID> </transTransaktion_ID></pre> |
| Source | <pre><xs:element name="transTransaktion_ID" type="tns:IONTransaktion_ID_Type"/></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT4 <ul style="list-style-type: none"> tns:SequenceNumberFour |
| Properties | content: simple |
| Facets | maxInclusive 4294967295 |
| | minInclusive 0 |
| Source | <code><xs:element name="transSequenznummer" type="ct:SequenceNumberFour"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT1 <ul style="list-style-type: none"> 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 | <code><xs:element name="transSenderRolle" type="ka:KommunikationsParterRolle"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT2 <ul style="list-style-type: none"> tns:ReferenceNumberTwo <ul style="list-style-type: none"> tns:Organisation_ID |
| Properties | content: simple |
| Facets | maxInclusive 65535 |
| | minInclusive 0 |
| Source | <code><xs:element name="transSender_ID" type="ka:Organisation_ID"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table> | content: | simple | minOccurs: | 0 | maxOccurs: | 1 |
| content: | simple | | | | | | |
| minOccurs: | 0 | | | | | | |
| maxOccurs: | 1 | | | | | | |
| Facets | <table> <tr><td>maxInclusive</td><td>255</td></tr> <tr><td>minInclusive</td><td>0</td></tr> </table> | maxInclusive | 255 | minInclusive | 0 | | |
| maxInclusive | 255 | | | | | | |
| minInclusive | 0 | | | | | | |
| Source | <code><xs:element name="transTransaktionsTyp" type="ct:INT1" minOccurs="0" maxOccurs="1"/></code> | | | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 gemäss den Angaben der Dienstaufrufrers. Achtung: Aufgrund von potentiell unsynchronisierten, lokalen Uhren der Kommunikationspartnern ist moeglicherweise die Aussagekraft dieses Feldes sehr gering. | | |
| Diagram | | | |
| Type | tns:DateTime | | |
| Properties | <table> <tr><td>content:</td><td>simple</td></tr> </table> | content: | simple |
| content: | simple | | |
| Source | <pre> <xs:element name="transTransaktionsZeitpunkt" type="ct:DateTime"> <xs:annotation> <xs:documentation>Zeitpunkt der Dienstanfrage gemäss den Angaben der Dienstaufrufrers. Achtung: Aufgrund von potentiell unsynchronisierten, lokalen Uhren der Kommunikationspartnern ist moeglicherweise die Aussagekraft dieses Feldes sehr gering.</xs:documentation> </xs:annotation> </xs:element> </pre> | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | | |

Element **tns:ION_TX_HEADER_Type / transVersion**

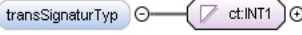
| | | | | | | | |
|-----------------|---|----------|--------|------------|--|------------|---|
| Namespace | No namespace | | | | | | |
| Diagram | | | | | | | |
| Type | tns:BitString16 | | | | | | |
| Properties | <table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table> | content: | simple | minOccurs: | 0 | maxOccurs: | 1 |
| content: | simple | | | | | | |
| minOccurs: | 0 | | | | | | |
| maxOccurs: | 1 | | | | | | |
| Facets | <table> <tr><td>length</td><td>16</td></tr> <tr><td>pattern</td><td> [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1] </td></tr> </table> | length | 16 | pattern | [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1] | | |
| length | 16 | | | | | | |
| pattern | [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1][0-1][0-1][0-1][0-1] [0-1] | | | | | | |
| Source | <code><xs:element name="transVersion" type="ct:BitString16" minOccurs="0" maxOccurs="1"/></code> | | | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <code><xs:element name="transWiederholungsZaehler" type="ct:INT1" minOccurs="0" maxOccurs="1"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <code><xs:element name="transSignaturTyp" type="ct:INT1" minOccurs="0" maxOccurs="1"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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><xs:element name="transSignaturZertifikat" minOccurs="0" maxOccurs="1"> <xs:simpleType> <xs:restriction base="xs:hexBinary"> <xs:length value="378" fixed="true"/> </xs:restriction> </xs:simpleType> </xs:element></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <code><xs:element name="transSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:string tns:PrintableString | | | | | | |
| 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> <xs:element name="transSendeAuftrag"> <xs:simpleType> <xs:restriction base="tns:PrintableString"> <xs:minLength value="0"/> <xs:maxLength value="10"/> </xs:restriction> </xs:simpleType> </xs:element> </pre> | | | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT1 tns:AuftragsTyp_CODE | | | | |
| 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><xs:element name="transSendeAuftragstyp" type="tns:AuftragsTyp_CODE"/></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo | | | | | | |
| 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 | maxInclusive | 65535 |
| | minInclusive | 0 |
| Source | <xs:element name="produktNummer" type="ct:ReferenceNumberTwo" minOccurs="0" maxOccurs="1"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo tns:Organisation_ID | |
| Properties | content: | simple |
| Facets | maxInclusive | 65535 |
| | minInclusive | 0 |
| Source | <xs:element name="organisationID" type="ka:Organisation_ID"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | |

Element **tns:Berechtigung_ID_Type** / **berechtigungNummer**


| | | |
|-----------------|---|------------|
| Namespace | No namespace | |
| Diagram |  | |
| Type | tns:ReferenceNumberFour | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT4 tns:ReferenceNumberFour | |
| Properties | content: | simple |
| Facets | maxInclusive | 4294967295 |
| | minInclusive | 0 |
| Source | <xs:element name="berechtigungNummer" type="ct:ReferenceNumberFour"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | |

Element **tns:Berechtigung_ID_Type** / **kvp_ID**

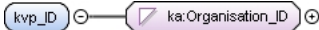
| | | |
|----------------|---|--------|
| Namespace | No namespace | |
| Diagram |  | |
| Type | tns:Organisation_ID | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo tns:Organisation_ID | |
| Properties | content: | simple |

| | | |
|-----------------|---|-------|
| Facets | maxInclusive | 65535 |
| | minInclusive | 0 |
| Source | <xs:element name="kvp_ID" type="ka:Organisation_ID"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | |


Element tns:NmApplikationInstanz_ID_Type / NmAppInstanznummer

| | | |
|-----------------|---|------------|
| Namespace | No namespace | |
| Diagram |  | |
| Type | tns:ReferenceNumberFour | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT4 <ul style="list-style-type: none"> tns:ReferenceNumberFour | |
| Properties | content: | simple |
| Facets | maxInclusive | 4294967295 |
| | minInclusive | 0 |
| Source | <xs:element name="NmAppInstanznummer" type="ct:ReferenceNumberFour"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT2 <ul style="list-style-type: none"> tns:ReferenceNumberTwo <ul style="list-style-type: none"> tns:Organisation_ID | |
| Properties | content: | simple |
| Facets | maxInclusive | 65535 |
| | minInclusive | 0 |
| Source | <xs:element name="kvp_ID" type="ka:Organisation_ID"/> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <code><xs:element name="berGueltigkeitsende" type="ct:DateTimeCompact"/></code> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT1 <ul style="list-style-type: none"> tns:Abrechnungsverfahren_CODE_Type | |
| Properties | content: | simple |
| Facets | maxInclusive | 255 |
| | minInclusive | 0 |
| | enumeration | 0 Keine Angabe |
| | enumeration | 1 Pre-Paid |
| | enumeration | 2 Post-Paid |
| | enumeration | 3 Trip-Paid |
| Source | <code><xs:element name="prodAbrechnungsVerfahren" type="tns:Abrechnungsverfahren_CODE_Type"/></code> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT1 <ul style="list-style-type: none"> tns:Bezahlart_CODE_Type | |
| Properties | content: | simple |
| Facets | maxInclusive | 255 |
| | minInclusive | 0 |
| Source | <code><xs:element name="berBezahlArt" type="tns:Bezahlart_CODE_Type"/></code> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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><xs:element name="berBezahlMittel" type="ct:OctetString10"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |


Element tns:Transaktionsdatensatz_Type / Transaktionsdaten

| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | xs:hexBinary |
| Properties | content: simple |
| Source | <code><xs:element name="Transaktionsdaten" type="xs:hexBinary"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

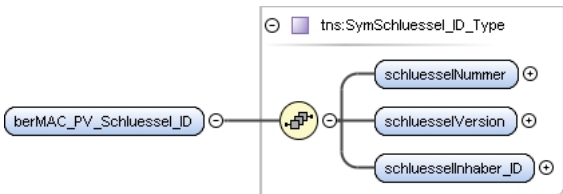
Element tns:berNmTransaktionMAC_Type / berMAC_PV

| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:OctetString8 |
| Properties | content: simple |
| Facets | length 8 |
| Source | <code><xs:element name="berMAC_PV" type="ct:OctetString8"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:berNmTransaktionMAC_Type / berMAC_KVP

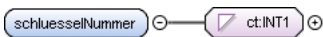
| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:OctetString8 |
| Properties | content: simple |
| Facets | length 8 |
| Source | <code><xs:element name="berMAC_KVP" type="ct:OctetString8"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:berNmTransaktionMAC_Type / berMAC_PV_Schluessel_ID

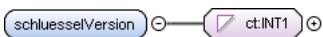
| | |
|------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:SymSchluessel_ID_Type |
| Properties | content: complex |

| | |
|-----------------|--|
| Model | schluesselNummer , schluesselVersion , schluesselInhaber_ID |
| Children | schluesselInhaber_ID, schluesselNummer, schluesselVersion |
| Instance | <pre><berMAC_PV_Schluessel_ID> <schluesselNummer>{1,1}</schluesselNummer> <schluesselVersion>{1,1}</schluesselVersion> <schluesselInhaber_ID>{1,1}</schluesselInhaber_ID> </berMAC_PV_Schluessel_ID></pre> |
| Source | <code><xs:element name="berMAC_PV_Schluessel_ID" type="tns:SymSchluessel_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <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><xs:element name="schluesselNummer" type="ct:INT1" /></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <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><xs:element name="schluesselVersion" type="ct:INT1" /></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT2 <ul style="list-style-type: none"> tns:ReferenceNumberTwo | | | | |
| 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><xs:element name="schluesselInhaber_ID" type="ct:ReferenceNumberTwo" /></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | | | | |

Element **tns:berNmTransaktionMAC_Type / berMAC_KVP_Schluessel_ID**

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

| | |
|-----------------|--|
| Diagram | |
| Type | tns:SymSchluessel_ID_Type |
| Properties | content: complex |
| Model | schluesselNummer , schluesselVersion , schluesselInhaber_ID |
| Children | schluesselInhaber_ID, schluesselNummer, schluesselVersion |
| Instance | <pre><berMAC_KVP_Schluessel_ID> <schluesselNummer>{1,1}</schluesselNummer> <schluesselVersion>{1,1}</schluesselVersion> <schluesselInhaber_ID>{1,1}</schluesselInhaber_ID> </berMAC_KVP_Schluessel_ID></pre> |
| Source | <code><xs:element name="berMAC_KVP_Schluessel_ID" type="tns:SymSchluessel_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element **tns:Terminal_ID_Type** / **terminalTyp**

| | | | | | |
|-----------------|---|--------------|-----|--------------|---|
| Namespace | No namespace | | | | |
| Diagram | | | | | |
| Type | tns:TerminalTyp_CODE_Type | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT1 tns:TerminalTyp_CODE_Type | | | | |
| 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><xs:element name="terminalTyp" type="tns:TerminalTyp_CODE_Type" /></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | | | | |

Element **tns:Terminal_ID_Type** / **terminalNummer**

| | | | | | |
|-----------------|---|--------------|-------|--------------|---|
| Namespace | No namespace | | | | |
| Diagram | | | | | |
| Type | tns:ReferenceNumberTwo | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo | | | | |
| 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><xs:element name="terminalNummer" type="ct:ReferenceNumberTwo" /></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo tns:Organisation_ID | | | | |
| 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><xs:element name="terminalOwner_ID" type="ka:Organisation_ID" /></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | | | | |

Element tns:TX_SANF_Type / sperrSperrgrund

| | | | | | |
|-----------------|---|--------------|-----|--------------|---|
| Namespace | No namespace | | | | |
| Diagram | | | | | |
| Type | tns:INT1 | | | | |
| Properties | content: simple | | | | |
| Facets | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table> | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive | 255 | | | | |
| minInclusive | 0 | | | | |
| Source | <code><xs:element name="sperrSperrgrund" type="ct:INT1" /></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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> <sperrAnforderungBezug> <transSequenznummer>{1,1}</transSequenznummer> <transSenderRolle>{1,1}</transSenderRolle> <transSender_ID>{1,1}</transSender_ID> </sperrAnforderungBezug> </pre> |
| Source | <code><xs:element name="sperrAnforderungBezug" type="tns:IONTransaktion_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | enumeration 1 |
| | enumeration 2 |
| | enumeration 3 |
| | enumeration 4 |
| Source | <code><xs:element name="sperrEntscheidung" type="tns:Mitteilung_CODE_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT1 <ul style="list-style-type: none"> tns:StatusCode |
| 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 | <code><xs:element name="StatusCode" type="tns:StatusCode"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <code><xs:element name="StatusText" type="tns:StatusText" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/2/XML-Schema_KA_Common.xsd |


Element **tns:ASymSchluessel_ID_Type** / **signaturSchluessel**

| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:OctetString12 |
| Properties | content: simple |
| Facets | length 12 |
| Source | <code><xs:element name="signaturSchluessel" type="ct:OctetString12" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

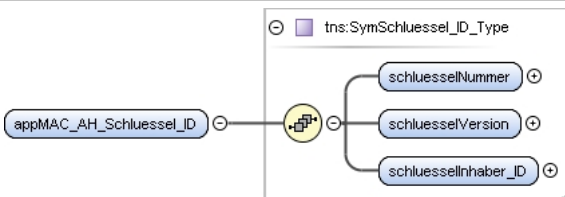
Element **tns:appNmTransaktionMAC_Type** / **appMAC_AH**

| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:OctetString8 |
| Properties | content: simple |
| Facets | length 8 |
| Source | <code><xs:element name="appMAC_AH" type="ct:OctetString8" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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><xs:element name="appMAC_KVP" type="ct:OctetString8" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element **tns:appNmTransaktionMAC_Type** / **appMAC_AH_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><appMAC_AH_Schluessel_ID> <schluesselNummer>{1,1}</schluesselNummer> <schluesselVersion>{1,1}</schluesselVersion> <schluesselInhaber_ID>{1,1}</schluesselInhaber_ID> </appMAC_AH_Schluessel_ID></pre> |
| Source | <code><xs:element name="appMAC_AH_Schluessel_ID" type="tns:SymSchluessel_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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><appMAC_KVP_Schluessel_ID> <schluesselNummer>{1,1}</schluesselNummer> <schluesselVersion>{1,1}</schluesselVersion> <schluesselInhaber_ID>{1,1}</schluesselInhaber_ID> </appMAC_KVP_Schluessel_ID></pre> |
| Source | <code><xs:element name="appMAC_KVP_Schluessel_ID" type="tns:SymSchluessel_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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><transOrigID> <transSequenznummer>{1,1}</transSequenznummer> <transSenderRolle>{1,1}</transSenderRolle> <transSender_ID>{1,1}</transSender_ID> </transOrigID></pre> |
| Source | <code><xs:element name="transOrigID" type="tns:IONTransaktion_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element **tns:TX_RET_Type** / **transOrigSignatur**


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

| | |
|-----------------|---|
| Type | tns:TransSignatur_Type |
| Properties | content: simple |
| | minOccurs: 0 |
| | maxOccurs: 1 |
| Facets | length 128 |
| Source | <code><xs:element name="transOrigSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TX_RET_Type / transOriginalZeit

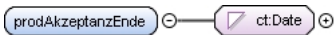
| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <code><xs:element name="transOriginalZeit" type="xs:dateTime"/></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXA_Type / transAblehnungGrund

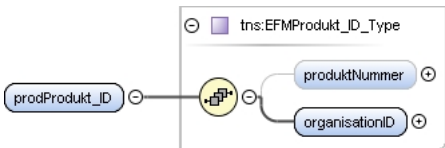
| | |
|-------------|--|
| Namespace | No namespace |
| Annotations | <p>WICHTIG: Aus Historischen Gruenden ist TXA_Type ein allgemeiner Typ, der von allen teilnehmenden Systemen genutzt wird. Das fuehrt dazu, dass sich alle Systeme dieselben 'transAblehnungGrund' Fehlercodes teilen. Dies ist suboptimal, 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> <xs:element name="transAblehnungGrund" type="ct:INT1"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> </xs:element> </pre> |

| | |
|-----------------|---|
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|---|

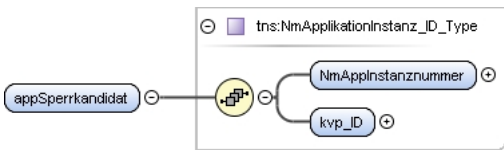
Element **tns:TXDEABER_Req_Type / prodAkzeptanzEnde**

| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:Date |
| Properties | content: simple |
| Source | <code><xs:element name="prodAkzeptanzEnde" type="ct:Date" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element **tns:TXDEABER_Req_Type / prodProdukt_ID**

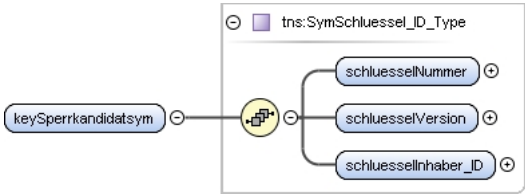
| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:EFMProdukt_ID_Type |
| Properties | content: complex |
| Model | produktNummer{0,1} , organisationID |
| Children | organisationID, produktNummer |
| Instance | <pre><prodProdukt_ID> <produktNummer>{0,1}</produktNummer> <organisationID>{1,1}</organisationID> </prodProdukt_ID></pre> |
| Source | <code><xs:element name="prodProdukt_ID" type="tns:EFMProdukt_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element **tns:TXSMITA_Type / appSperrkandidat**

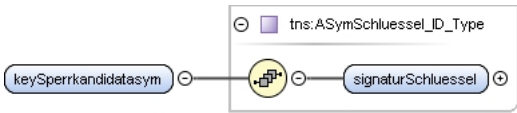
| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:NmApplikationInstanz_ID_Type |
| Properties | content: complex nillable: false |
| Model | NmAppInstanznummer , kvp_ID |
| Children | NmAppInstanznummer, kvp_ID |
| Instance | <pre><appSperrkandidat> <NmAppInstanznummer>{1,1}</NmAppInstanznummer> <kvp_ID>{1,1}</kvp_ID> </appSperrkandidat></pre> |
| Source | <code><xs:element name="appSperrkandidat" type="tns:NmApplikationInstanz_ID_Type" nillable="false" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element **tns:TXSANFSYMK_Type / keySperrkandidatsym**

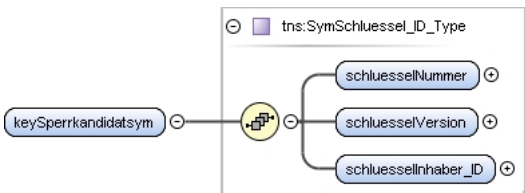
| | |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

| | |
|-----------------|--|
| Diagram |  |
| Type | tns:SymSchluessel_ID_Type |
| Properties | content: complex |
| Model | schluesselNummer , schluesselVersion , schluesselInhaber_ID |
| Children | schluesselInhaber_ID, schluesselNummer, schluesselVersion |
| Instance | <pre><keySperrkandidatsym> <schluesselNummer>{1,1}</schluesselNummer> <schluesselVersion>{1,1}</schluesselVersion> <schluesselInhaber_ID>{1,1}</schluesselInhaber_ID> </keySperrkandidatsym></pre> |
| Source | <pre><xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXSANFASYMK_Type / keySperrkandidatsym

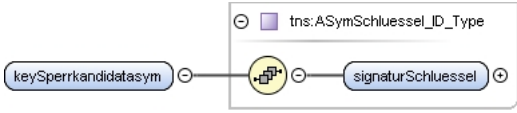
| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:ASymSchluessel_ID_Type |
| Properties | content: complex |
| Model | signaturSchluessel |
| Children | signaturSchluessel |
| Instance | <pre><keySperrkandidatsym> <signaturSchluessel>{1,1}</signaturSchluessel> </keySperrkandidatsym></pre> |
| Source | <pre><xs:element name="keySperrkandidatsym" type="tns:ASymSchluessel_ID_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXSFREIMITSYMK_Type / keySperrkandidatsym

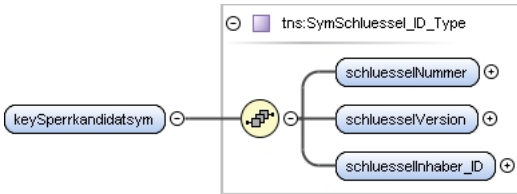
| | |
|------------|--|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:SymSchluessel_ID_Type |
| Properties | content: complex |
| Model | schluesselNummer , schluesselVersion , schluesselInhaber_ID |
| Children | schluesselInhaber_ID, schluesselNummer, schluesselVersion |
| Instance | <pre>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

| | |
|-----------------|---|
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |
|-----------------|---|

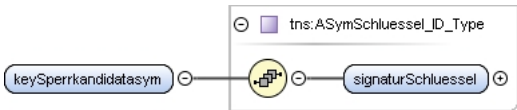
Element **tns:TXSFREIMITASYMK_Type** / **keySperrkandidatasy**

| | |
|-----------------|---|
| Namespace | No namespace |
| Diagram |  |
| Type | tns:ASymSchluessel_ID_Type |
| Properties | content: complex |
| Model | signaturSchluessel |
| Children | signaturSchluessel |
| Instance | <pre><keySperrkandidatasy> <signaturSchluessel>{1,1}</signaturSchluessel> </keySperrkandidatasy></pre> |
| Source | <pre><xs:element name="keySperrkandidatasy" type="tns:ASymSchluessel_ID_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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><keySperrkandidatsym> <schluesselNummer>{1,1}</schluesselNummer> <schluesselVersion>{1,1}</schluesselVersion> <schluesselInhaber_ID>{1,1}</schluesselInhaber_ID> </keySperrkandidatsym></pre> |
| Source | <pre><xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type" /></pre> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element **tns:TXSMITASYMK_Type** / **keySperrkandidatasy**


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

| | |
|-----------------|---|
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT3 <ul style="list-style-type: none"> tns:ReferenceNumberThree <ul style="list-style-type: none"> tns:SAM_ID_Type |
| Properties | content: simple |
| Facets | maxInclusive 16777215 minInclusive 0 |
| Source | <code><xs:element name="samSperrkandidat" type="tns:SAM_ID_Type" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT2 <ul style="list-style-type: none"> tns:ReferenceNumberTwo <ul style="list-style-type: none"> tns:Organisation_ID |
| Properties | content: simple |
| Facets | maxInclusive 65535 minInclusive 0 |
| Source | <code><xs:element name="orgSperrkandidat" type="ka:Organisation_ID" /></code> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt <ul style="list-style-type: none"> tns:INT4 <ul style="list-style-type: none"> tns:SperrlistenZyklusNummer_Type |
| Properties | content: simple |

| | | |
|-----------------|---|------------|
| Facets | maxInclusive | 4294967295 |
| | minInclusive | 0 |
| Source | <pre><xs:element name="zyklusNummer" type="tns:SperrlistenZyklusNummer_Type"> <xs:annotation> <xs:documentation>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.</xs:documentation> </xs:annotation> </xs:element></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | |

Element tns:TXSNAWA_Req_Type / sperrtransaktionApplikation


| | | |
|-----------------|--|---------|
| Namespace | No namespace | |
| Diagram | <pre> graph LR subgraph tns_Transaktionsdatensatz_Type [tns:Transaktionsdatensatz_Type] direction TB sperrtransaktionApplikation --> Transaktionsdaten end style sperrtransaktionApplikation fill:#d9e1f2,stroke:#333,stroke-width:1px style Transaktionsdaten fill:#d9e1f2,stroke:#333,stroke-width:1px </pre> | |
| Type | tns:Transaktionsdatensatz_Type | |
| Properties | content: | complex |
| Model | Transaktionsdaten | |
| Children | Transaktionsdaten | |
| Instance | <pre><sperrtransaktionApplikation> <Transaktionsdaten>{1,1}</Transaktionsdaten> </sperrtransaktionApplikation></pre> | |
| Source | <pre><xs:element name="sperrtransaktionApplikation" type="tns:Transaktionsdatensatz_Type" /></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <pre> graph LR subgraph tns_appNmTransaktionMAC_Type [tns:appNmTransaktionMAC_Type] direction TB appNmTransaktionMAC --> appMAC_AH appNmTransaktionMAC --> appMAC_KVP appNmTransaktionMAC --> appMAC_AH_Schluesel_ID appNmTransaktionMAC --> appMAC_KVP_Schluesel_ID end style appNmTransaktionMAC fill:#d9e1f2,stroke:#333,stroke-width:1px style appMAC_AH fill:#d9e1f2,stroke:#333,stroke-width:1px style appMAC_KVP fill:#d9e1f2,stroke:#333,stroke-width:1px style appMAC_AH_Schluesel_ID fill:#d9e1f2,stroke:#333,stroke-width:1px style appMAC_KVP_Schluesel_ID fill:#d9e1f2,stroke:#333,stroke-width:1px </pre> | |
| 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><appNmTransaktionMAC> <appMAC_AH>{1,1}</appMAC_AH> <appMAC_KVP>{1,1}</appMAC_KVP> <appMAC_AH_Schluesel_ID>{1,1}</appMAC_AH_Schluesel_ID> <appMAC_KVP_Schluesel_ID>{1,1}</appMAC_KVP_Schluesel_ID> </appNmTransaktionMAC></pre> | |
| Source | <pre><xs:element name="appNmTransaktionMAC" type="tns:appNmTransaktionMAC_Type" /></pre> | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT3 tns:ReferenceNumberThree tns:SAM_ID_Type | | | | |
| Properties | content: simple | | | | |
| Facets | <table border="1"> <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><xs:element name="samSperrkandidat" type="tns:SAM_ID_Type"/></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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"> xs:unsignedInt tns:INT2 tns:ReferenceNumberTwo tns:Organisation_ID | | | | |
| 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><xs:element name="orgSperrkandidat" type="ka:Organisation_ID"/></code> | | | | |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd | | | | |

Element tns:TXSNAWB_Req_Type / zyklusNummer

| | | | | | |
|----------------|---|--------------|------------|--------------|---|
| Namespace | No namespace | | | | |
| Annotations | Die Sperrlisten-Zyklusnummer identifiziert eindeutig den Zeitpunkt der der Sperrliste zugrundeliegenden Sperrobjekte. Der Zyklus kann von einer NM-Liste oder einer ORG bzw. SAM Liste sein. Wenn samSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die SAM Liste, wenn orgSperrkandidat gesetzt ist, so bezieht sich der Zyklus auf die ORG Liste, ist nichts von beidem gesetzt, bezieht sich der Zyklus auf die NM Liste. | | | | |
| Diagram |  | | | | |
| Type | tns:SperrlistenZyklusNummer_Type | | | | |
| Type hierarchy | <ul style="list-style-type: none"> xs:unsignedInt tns:INT4 tns:SperrlistenZyklusNummer_Type | | | | |
| 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 | <pre><xs:element name="zyklusNummer" type="tns:SperrlistenZyklusNummer_Type"> <xs:annotation> <xs:documentation>Die Sperrlisten-Zyklusnummer identifiziert eindeutig den Zeitpunkt der der Sperrliste zugrundeliegenden Sperrobjekte. Der Zyklus kann von einer NM-Liste oder einer ORG bzw.</pre> | | | | |

| | |
|-----------------|---|
| | <p>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.</xs:documentation> </xs:annotation> </xs:element></p> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/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 | <pre> graph LR subgraph tns_Transaktionsdatensatz_Type [tns:Transaktionsdatensatz_Type] Transaktionsdaten end sperrtransaktionBerechtigung --- Transaktionsdaten </pre> |
| Type | tns:Transaktionsdatensatz_Type |
| Properties | content: complex |
| Model | Transaktionsdaten |
| Children | Transaktionsdaten |
| Instance | <pre> <sperrtransaktionBerechtigung> <Transaktionsdaten>{1,1}</Transaktionsdaten> </sperrtransaktionBerechtigung> </pre> |
| Source | <xs:element name="sperrtransaktionBerechtigung" type="tns:Transaktionsdatensatz_Type"/> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |

Element tns:TXSNAWB_Req_Type / berNmTransaktionMAC

| | |
|-----------------|--|
| Namespace | No namespace |
| Diagram | <pre> graph LR subgraph tns_berNmTransaktionMAC_Type [tns:berNmTransaktionMAC_Type] berMAC_PV berMAC_KVP berMAC_PV_Schlüssel_ID berMAC_KVP_Schlüssel_ID end berNmTransaktionMAC --- berMAC_PV berNmTransaktionMAC --- berMAC_KVP berNmTransaktionMAC --- berMAC_PV_Schlüssel_ID berNmTransaktionMAC --- berMAC_KVP_Schlüssel_ID </pre> |
| Type | tns:berNmTransaktionMAC_Type |
| Properties | content: complex |
| Model | berMAC_PV , berMAC_KVP , berMAC_PV_Schlüssel_ID , berMAC_KVP_Schlüssel_ID |
| Children | berMAC_KVP, berMAC_KVP_Schlüssel_ID, berMAC_PV, berMAC_PV_Schlüssel_ID |
| Instance | <pre> <berNmTransaktionMAC> <berMAC_PV>{1,1}</berMAC_PV> <berMAC_KVP>{1,1}</berMAC_KVP> <berMAC_PV_Schlüssel_ID>{1,1}</berMAC_PV_Schlüssel_ID> <berMAC_KVP_Schlüssel_ID>{1,1}</berMAC_KVP_Schlüssel_ID> </berNmTransaktionMAC> </pre> |
| Source | <xs:element name="berNmTransaktionMAC" type="tns:berNmTransaktionMAC_Type"/> |
| Schema location | file:/C:/Users/W.Hoffmann/Development/VDV-Interfaces/github-version/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/2/XML-Schema_ION.xsd |