

# Schema documentation for XML- Schema\_NMLieferliste.xsd

june 3, 2026

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## Resource hierarchy:

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

XML-Schema\_NMLieferliste.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/nmlieferliste/1"**

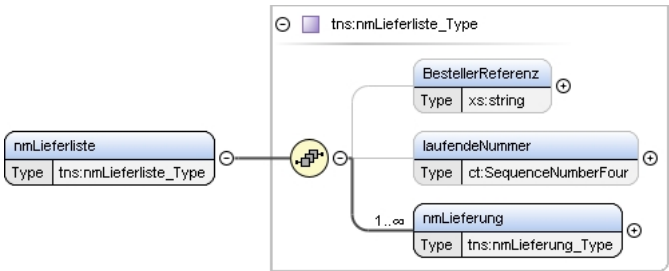
## Schema(s)

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

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/nmlieferliste/1                                                                                                    |
| Properties      | attribute form default: unqualified                                                                                              |
|                 | element form default: unqualified                                                                                                |
|                 | version: 1.13.0                                                                                                                  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd |

## Element(s)

**Element tns:nmLieferliste**

|             |                                                                                                                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/nmlieferliste/1                                                                                                                                                                                                                                                    |
| Annotations | Element: Lieferliste fuer Nutzermedien                                                                                                                                                                                                                                           |
| Diagram     |                                                                                                                                                                                               |
| Type        | tns:nmLieferliste_Type                                                                                                                                                                                                                                                           |
| Properties  | content: complex                                                                                                                                                                                                                                                                 |
| Model       | BestellerReferenz{0,1} , laufendeNummer{0,1} , nmLieferung+                                                                                                                                                                                                                      |
| Children    | BestellerReferenz, laufendeNummer, nmLieferung                                                                                                                                                                                                                                   |
| Instance    | <pre>&lt;tns:nmLieferliste xmlns:tns="http://vdv/ka/nmlieferliste/1"&gt;   &lt;BestellerReferenz&gt;{0,1}&lt;/BestellerReferenz&gt;   &lt;laufendeNummer&gt;{0,1}&lt;/laufendeNummer&gt;   &lt;nmLieferung&gt;{1,unbounded}&lt;/nmLieferung&gt; &lt;/tns:nmLieferliste&gt;</pre> |
| Source      | <pre>&lt;xs:element name="nmLieferliste" type="tns:nmLieferliste_Type"&gt;   &lt;xs:annotation&gt;</pre>                                                                                                                                                                         |

|                 |                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:documentation&gt;Element: Lieferliste fuer Nutzermedien&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                |

## Complex Type(s)

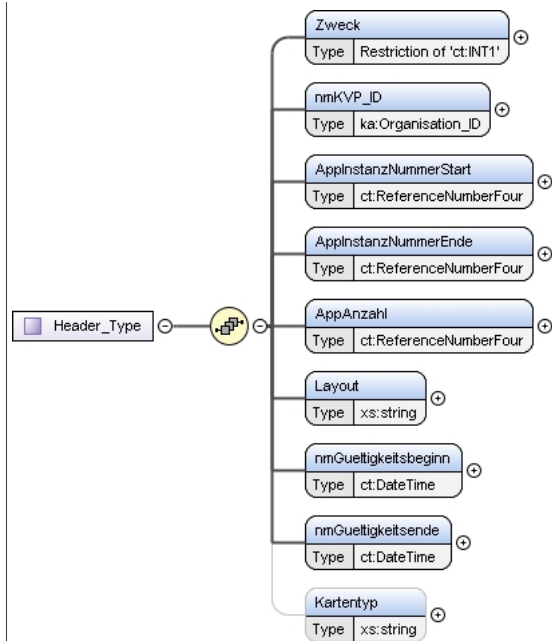
### Complex Type tns:Nutzermedium\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/nmlieferliste/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations     | Typ: Beschreibung der Nutzermedien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Used by         | Element tns:nmVerpackungseinheit_Type/Nutzermedium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Model           | nmMedium_ID.nutzermediumNummer , appInstanz_ID , CVZertifikat , UID {0,1}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Children        | CVZertifikat, UID, appInstanz_ID, nmMedium_ID.nutzermediumNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source          | <pre> &lt;xs:complexType name="Nutzermedium_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Beschreibung der Nutzermedien&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="nmMedium_ID.nutzermediumNummer" type="ct:OctetString10"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Aufgedruckte Mediennummer z.B. PAN nach ISO 7812&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;ID der Applikation&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;!-- TODO: Sollte noch Laengenbeschraenkt werden 2048 Bit = 256 Byte = 512 Zeichen --&gt;     &lt;xs:element name="CVZertifikat" type="xs:hexBinary"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;CV-Zertifikat ueber den oeffentlichen Teil des Authentisierungsschlüssels des Nutzermediums&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;!-- Erweiterung Release 1.5.0 --&gt;     &lt;xs:element name="UID" type="ct:OctetString10" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;10 Byte Unique Identifier (UID)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;!-- Erweiterung Release 1.5.0 Ende --&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### Complex Type tns:Header\_Type

|             |                                                  |
|-------------|--------------------------------------------------|
| Namespace   | http://vdv/ka/nmlieferliste/1                    |
| Annotations | Typ: Basisdaten einer Lieferung von Nutzermedien |

Diagram



|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Used by  | Element<br>tns:nmVerpackungseinheit_Type/Header                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Model    | Zweck , nmKVP_ID , AppInstanzNummerStart , AppInstanzNummerEnde , AppAnzahl , Layout , nmGueltigkeitsbeginn , nmGueltigkeitsende , Kartentyp{0,1}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children | AppAnzahl, AppInstanzNummerEnde, AppInstanzNummerStart, Kartentyp, Layout, Zweck, nmGueltigkeitsbeginn, nmGueltigkeitsende, nmKVP_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Source   | <pre> &lt;xs:complexType name="Header_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten einer Lieferung von Nutzermedien&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Zweck"&gt;       &lt;xs:simpleType&gt;         &lt;xs:restriction base="ct:INT1"&gt;           &lt;xs:enumeration value="1"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;Zweck der Lieferliste: 1 = Lieferung von Nutzermedien&lt;/xs:documentation&gt;             &lt;/xs:annotation&gt;           &lt;/xs:enumeration&gt;           &lt;xs:enumeration value="2"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;Zweck der Lieferliste: 2 = Nicht ausgelieferte Nutzermedien bzw. Zertifikate&lt;/xs:documentation&gt;             &lt;/xs:annotation&gt;           &lt;/xs:enumeration&gt;         &lt;/xs:restriction&gt;       &lt;/xs:simpleType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="nmKVP_ID" type="ka:Organisation_ID"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Org_ID des nmAusgebers (=Besteller) ist identisch mit der des Applikationsausgebers&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AppInstanzNummerStart" type="ct:ReferenceNumberFour"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Niedrigste verwendete Appinstanznummer&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AppInstanzNummerEnde" type="ct:ReferenceNumberFour"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Hoechste verwendete Appinstanznummer&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AppAnzahl" type="ct:ReferenceNumberFour"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Anzahl der Applikationen/Nutzermedien pro Lieferung&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Layout" type="xs:string"&gt; </pre> |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:annotation&gt;   &lt;xs:documentation&gt;Layoutbezeichnung fuer die Lieferung&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="nmGueltigkeitsbeginn" type="ct:DateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Gueltigkeitsbeginn des Mediums, NICHT der Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;xs:element name="nmGueltigkeitsende" type="ct:DateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Gueltigkeitsende des Mediums, NICHT der Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;!-- Erweiterung Release 1.5.0 --&gt; &lt;xs:element name="Kartentyp" type="xs:string" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Kartentyp der Lieferung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;!-- Erweiterung Release 1.5.0 Ende --&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Complex Type tns:nmVerpackungseinheit\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/nmlieferliste/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Annotations     | Typ: Beschreibung einer Verpackungseinheit von Nutzermedien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Element tns:nmLieferung_Type/nmVerpackungseinheit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | Verpackungseinheitbezeichnung , Verpackungseinheit_ID{0,1} , Header , Nutzermedium+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Children        | Header, Nutzermedium, Verpackungseinheit_ID, Verpackungseinheitbezeichnung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source          | <pre> &lt;xs:complexType name="nmVerpackungseinheit_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Beschreibung einer Verpackungseinheit von Nutzermedien&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Verpackungseinheitbezeichnung" type="xs:string"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;In diesem Datenelement wird die Verpackungseinheit bezeichnet&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Verpackungseinheit_ID" type="xs:string" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;In diesem Datenelement kann zusaetzlich eine ID der Verpackungseinheit angegeben werden (optional)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Header" type="tns:Header_Type"/&gt;     &lt;xs:element name="Nutzermedium" type="tns:Nutzermedium_Type" maxOccurs="unbounded"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Complex Type tns:nmLieferung\_Type

|           |                               |
|-----------|-------------------------------|
| Namespace | http://vdv/ka/nmlieferliste/1 |
|-----------|-------------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | Typ: Beschreibung einer Lieferung von Nutzermedien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Used by         | Element tns:nmLieferliste_Type/nmLieferung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model           | nmVerpackungseinheit+, Bestellposition{0,1}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Children        | Bestellposition, nmVerpackungseinheit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Source          | <pre> &lt;xs:complexType name="nmLieferung_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Beschreibung einer Lieferung von Nutzermedien&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="nmVerpackungseinheit" type="tns:nmVerpackungseinheit_Type"       maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Bei Zweck der Lieferliste = 2 ist nur eine "Verpackungseinheit"         vorhanden&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Bestellposition" type="ct:ReferenceNumberFour" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;In diesem Datenelement kann Bezug auf eine Bestellposition genommen werden         (optional)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Complex Type tns:nmLieferliste\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/nmlieferliste/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Annotations     | Typ: Lieferliste fuer Nutzermedien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Used by         | Element tns:nmLieferliste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model           | BestellerReferenz{0,1} , laufendeNummer{0,1} , nmLieferung+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Children        | BestellerReferenz, laufendeNummer, nmLieferung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source          | <pre> &lt;xs:complexType name="nmLieferliste_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Lieferliste fuer Nutzermedien&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="BestellerReferenz" type="xs:string" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;In diesem Datenelement kann ein Bezug zur Bestellung z. B. die         Auftragsbezeichnung angegeben werden (optional)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="laufendeNummer" type="ct:SequenceNumberFour" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;In diesem Datenelement koennen eventuell erforderliche Teillieferungen         gekennzeichnet werden (optional)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="nmLieferung" type="tns:nmLieferung_Type" maxOccurs="unbounded"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Namespace: "http://vdv/ka/common/types/1"

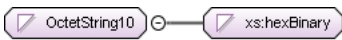
### Schema(s)

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

|                 |                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                   |
| Properties      | attribute form default:   unqualified<br>element form default:   unqualified                                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd |

### Simple Type(s)

#### Simple Type tns:OctetString10

|                 |                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                                 |
| Annotations     | Hexstring mit einer maximalen Laenge von 10 Zeichen                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                             |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                  |
| Facets          | length                   10                                                                                                                                                                                                                                                                                                                                  |
| Used by         | Elements                   tns:Nutzermedium_Type/UID, tns:Nutzermedium_Type/nmMedium_ID.nutzermediumNummer,<br>tns:TX_BER_Type/berBezahlMittel                                                                                                                                                                                                               |
| Source          | <pre>&lt;xs:simpleType name="OctetString10"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 10 Zeichen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="10" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                               |

#### Simple Type tns:ReferenceNumberFour

|                 |                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                   |
| Annotations     | Integer der den positiven Zahlenraum von vier Bytes umfasst                                                                                                                                                                                                                                    |
| Diagram         |                                                                                                                                                                                                             |
| Type            | tns:INT4                                                                                                                                                                                                                                                                                       |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt           <ul style="list-style-type: none"> <li>tns:INT4               <ul style="list-style-type: none"> <li>tns:ReferenceNumberFour</li> </ul> </li> </ul> </li> </ul>                                                                |
| Facets          | maxInclusive           4294967295<br>minInclusive           0                                                                                                                                                                                                                                  |
| Used by         | Elements                   tns:Berechtigung_ID_Type/berechtigungNummer, tns:Header_Type/AppAnzahl, tns:Header_Type/AppInstanzNummerEnde, tns:Header_Type/AppInstanzNummerStart, tns:NmApplikationInstanz_ID_Type/NmAppInstanznummer, tns:nmLieferung_Type/Bestellposition                      |
| Source          | <pre>&lt;xs:simpleType name="ReferenceNumberFour"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von vier Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT4"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                 |

## Simple Type tns:INT4

|                 |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                                                                          |                                                 |
| 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 |
| Source          | <pre>&lt;xs:simpleType name="INT4"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von vier Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:unsignedInt"&gt;     &lt;xs:minInclusive value="0"/&gt;     &lt;xs:maxInclusive value="4294967295"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                        |                                                 |

## Simple Type tns:ReferenceNumberTwo

|                 |                                                                                                                                                                                                                                                                                               |                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                  |                                                                                                                           |
| Annotations     | Integer der den positiven Zahlenraum von zwei Bytes umfasst                                                                                                                                                                                                                                   |                                                                                                                           |
| Diagram         |                                                                                                                                                                                                             |                                                                                                                           |
| Type            | tns:INT2                                                                                                                                                                                                                                                                                      |                                                                                                                           |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt           <ul style="list-style-type: none"> <li>tns:INT2               <ul style="list-style-type: none"> <li>tns:ReferenceNumberTwo</li> </ul> </li> </ul> </li> </ul>                                                                |                                                                                                                           |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                  | 65535                                                                                                                     |
|                 | minInclusive                                                                                                                                                                                                                                                                                  | 0                                                                                                                         |
| Used by         | Simple Type                                                                                                                                                                                                                                                                                   | tns:Organisation_ID                                                                                                       |
|                 | Elements                                                                                                                                                                                                                                                                                      | tns:EFMProdukt_ID_Type/produktNummer, tns:SymSchluessel_ID_Type/schluesselInhaber_ID, tns:Terminal_ID_Type/terminalNummer |
| Source          | <pre>&lt;xs:simpleType name="ReferenceNumberTwo"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von zwei Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT2"/&gt; &lt;/xs:simpleType&gt;</pre> |                                                                                                                           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                |                                                                                                                           |

## Simple Type tns:INT2

|             |                                                                                     |                                               |
|-------------|-------------------------------------------------------------------------------------|-----------------------------------------------|
| Namespace   | http://vdv/ka/common/types/1                                                        |                                               |
| Annotations | Integer der den positiven Zahlenraum von zwei Bytes umfasst                         |                                               |
| Diagram     |  |                                               |
| Type        | restriction of xs:unsignedInt                                                       |                                               |
| Facets      | maxInclusive                                                                        | 65535                                         |
|             | minInclusive                                                                        | 0                                             |
| Used by     | Simple Types                                                                        | tns:ReferenceNumberTwo, tns:SequenceNumberTwo |
| Source      | <pre>&lt;xs:simpleType name="INT2"&gt;   &lt;xs:annotation&gt;</pre>                |                                               |

|                 |                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von zwei Bytes umfasst&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;xs:restriction base="xs:unsignedInt"&gt;   &lt;xs:minInclusive value="0"/&gt;   &lt;xs:maxInclusive value="65535"/&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                             |

## Simple Type tns:INT1

|                 |                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                |
| Annotations     | Integer der den positiven Zahlenraum eines Bytes umfasst                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                |
| Diagram         | <pre> graph LR     INT1[tns:INT1] --- restriction of  unsignedInt[xs:unsignedInt] </pre>                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                |
| Type            | restriction of xs:unsignedInt                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                  | 255                                                                                                                                                                                                                                                                                                                                                            |
|                 | minInclusive                                                                                                                                                                                                                                                                                                                                                                                  | 0                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Elements                                                                                                                                                                                                                                                                                                                                                                                      | tns:Header_Type/Zweck, 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:SymSchluessel_ID_Type/schluesselNummer, tns:SymSchluessel_ID_Type/schluesselVersion, tns:TXA_Type/transAblehnungGrund, tns:TX_SANF_Type/sperrSperrgrund |
|                 | Simple Types                                                                                                                                                                                                                                                                                                                                                                                  | tns:Abrechnungsverfahren_CODE_Type, tns:AuftragsTyp_CODE, tns:Bezahlart_CODE_Type, tns:CommonServiceResultCode, tns:KommunikationsPartnerRolle, tns:ReferenceNumberOne, tns:SequenceNumberOne, tns:StatusCode, tns:TerminalTyp_CODE_Type                                                                                                                       |
| Source          | <pre> &lt;xs:simpleType name="INT1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum eines Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:unsignedInt"&gt;     &lt;xs:minInclusive value="0"/&gt;     &lt;xs:maxInclusive value="255"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |                                                                                                                                                                                                                                                                                                                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                |

## Simple Type tns:DateTime

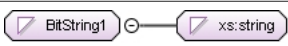
|                 |                                                                                                                                                                                                                                                                     |                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                        |                                                                                                                             |
| Annotations     | Datum mit Uhrzeit (nutzt den Standard)                                                                                                                                                                                                                              |                                                                                                                             |
| Diagram         | <pre> graph LR     DateTime[tns:DateTime] --- restriction of  dateTime[xs:dateTime] </pre>                                                                                                                                                                          |                                                                                                                             |
| Type            | xs:dateTime                                                                                                                                                                                                                                                         |                                                                                                                             |
| Used by         | Elements                                                                                                                                                                                                                                                            | tns:Header_Type/nmGueltigkeitsbeginn, tns:Header_Type/nmGueltigkeitsende, tns:ION_TX_HEADER_Type/transTransaktionsZeitpunkt |
| Source          | <pre> &lt;xs:simpleType name="DateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Datum mit Uhrzeit (nutzt den Standard)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:dateTime"/&gt; &lt;/xs:simpleType&gt; </pre> |                                                                                                                             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                      |                                                                                                                             |

## Simple Type tns:SequenceNumberFour

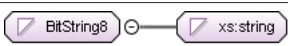
|             |                                                                                                         |  |
|-------------|---------------------------------------------------------------------------------------------------------|--|
| Namespace   | http://vdv/ka/common/types/1                                                                            |  |
| Annotations | Integer der den positiven Zahlenraum von vier Bytes umfasst. Fachlich eine aufsteigende Sequenznummer.  |  |
| Diagram     | <pre> graph LR     SequenceNumberFour[tns:SequenceNumberFour] --- restriction of  INT4[tns:INT4] </pre> |  |

|                 |                                                                                                                                                                                                                                                                                                                                          |              |            |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Type            | tns:INT4                                                                                                                                                                                                                                                                                                                                 |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:SequenceNumberFour</li> </ul>                                                                                                                                                                                                                       |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                            | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                                                                                                                                                                                                                                               |              |            |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                        |              |            |              |   |
| Used by         | Elements tns:IONTransaktion_ID_Type/transSequenznummer, tns:nmLieferliste_Type/laufendeNummer                                                                                                                                                                                                                                            |              |            |              |   |
| Source          | <pre>&lt;xs:simpleType name="SequenceNumberFour"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von vier Bytes umfasst. Fachlich eine aufsteigende Sequenznummer.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT4"/&gt; &lt;/xs:simpleType&gt;</pre> |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                           |              |            |              |   |

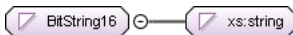
## Simple Type tns:BitString1

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

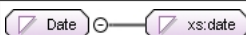
## Simple Type tns:BitString8

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

## Simple Type tns:BitString16

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

## Simple Type tns:Date

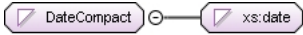
|                 |                                                                                                                                                                                                                                                            |                                         |  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                               |                                         |  |
| Annotations     | Datum ohne Uhrzeit (nutzt den Standard)                                                                                                                                                                                                                    |                                         |  |
| Diagram         |                                                                                                                                                                         |                                         |  |
| Type            | xs:date                                                                                                                                                                                                                                                    |                                         |  |
| Used by         | Element                                                                                                                                                                                                                                                    | tns:TXDEABER_Req_Type/prodAkzeptanzEnde |  |
| Source          | <pre>&lt;xs:simpleType name="Date"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Datum ohne Uhrzeit (nutzt den Standard)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:date"/&gt; &lt;/xs:simpleType&gt;</pre> |                                         |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                             |                                         |  |

## Simple Type tns:DateTimeCompact

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |  |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--|
| Namespace   | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                            |  |
| Annotations | <p>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.</p> <p>1990-01-01T:00:00:00 entspricht "keiner Angabe". Der erste gueltige Wert ist 1990-01-02T00:00:02, da angenommen wird, dass DateTimeCompact sich aus DateCompact und TimeCompact (siehe BOM Spez.) zusammensetzt.</p> <p>Achtung: es wird lokale Zeit verwendet (keine Zeitzonen) um unguelte Werte bei Abschneiden einer Zeitzoneninformation zu vermeiden!</p> |                                                                            |  |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                            |  |
| Type        | restriction of xs:dateTime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                            |  |
| Facets      | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2117-12-31T23:59:58                                                        |  |
|             | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1990-01-01T00:00:00                                                        |  |
| Used by     | Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tns:TX_BER_Type/berGueltigkeitsbeginn, tns:TX_BER_Type/berGueltigkeitsende |  |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source          | <pre>&lt;xs:simpleType name="DateTimeCompact"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Datum mit Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der Wertebereich     eingeschaenkt, so dass ueber eine binaere Darstellung im Nutzermedium 4 Byte ausreichend sind.     1990-01-01T:00:00:00 entspricht "keiner Angabe". Der erste gueltige Wert ist 1990-01-02T00:00:02,     da angenommen wird, dass DateTimeCompact sich aus DateCompact und TimeCompact (siehe BOM Spez.)     zusammensetzt. Achtung: es wird lokale Zeit verwendet (keine Zeitzone) um ungeltige Werte bei     Abschneiden einer Zeitzoneinformation zu vermeiden!&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:dateTime"&gt;     &lt;xs:minInclusive value="1990-01-01T00:00:00"/&gt;     &lt;xs:maxInclusive value="2117-12-31T23:59:58"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Simple Type tns:DateCompact

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |            |              |            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |            |              |            |
| Annotations     | Datum ohne Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der Wertebereich eingeschaenkt, so dass ueber eine binaere Darstellung im Nutzermedium 2 Byte ausreichend sind. 1990-01-01 entspricht "keiner Angabe". Der erste gueltige Wert ist 1990-01-02 (siehe BOM Spez.).                                                                                                                                                                                                                                                                                                                                                                |              |            |              |            |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |            |              |            |
| Type            | restriction of xs:date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |            |              |            |
| Facets          | <table> <tr> <td>maxInclusive</td><td>2117-12-31</td></tr> <tr> <td>minInclusive</td><td>1990-01-01</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | maxInclusive | 2117-12-31 | minInclusive | 1990-01-01 |
| maxInclusive    | 2117-12-31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |            |              |            |
| minInclusive    | 1990-01-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |            |              |            |
| Source          | <pre>&lt;xs:simpleType name="DateCompact"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Datum ohne Uhrzeit, nutzt den ISO Standard in XML, jedoch wird der     Wertebereich eingeschaenkt, so dass ueber eine binaere Darstellung im Nutzermedium 2 Byte     ausreichend sind. 1990-01-01 entspricht "keiner Angabe". Der erste gueltige Wert ist 1990-01-02     (siehe BOM Spez.).&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:date"&gt;     &lt;xs:minInclusive value="1990-01-01"/&gt;     &lt;xs:maxInclusive value="2117-12-31"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |              |            |              |            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |            |              |            |

## Simple Type tns:Datef

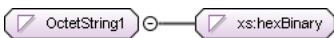
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |   |         |                                              |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---------|----------------------------------------------|
| Namespace   | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |   |         |                                              |
| 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]<br/>[0-9][0-3][0-9]</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | length | 8 | pattern | [0-9][0-9][0-9][0-9][0-1]<br>[0-9][0-3][0-9] |
| length      | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |   |         |                                              |
| pattern     | [0-9][0-9][0-9][0-9][0-1]<br>[0-9][0-3][0-9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |   |         |                                              |
| Source      | <pre>&lt;xs:simpleType name="Datef"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;BCD codierte Darstellung eines Datums als "Hexstring" in der Form yyyymmdd.     "00000000" ist fuer "keine Angabe". Die Einschraenkung von 00010101 bis 99991231 wie in der BOM     gefordert wird ueber das Pattern abgebildet.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:length value="8" fixed="true"/&gt;     &lt;xs:pattern value="[0-9][0-9][0-9][0-9][0-1][0-9][0-3][0-9]"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |        |   |         |                                              |

|                 |                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------|

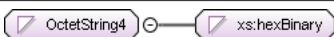
## Simple Type tns:INT3

|                 |                                                                                                                                                                                                                                                                                                                                                                                                     |              |          |              |   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                                                                        |              |          |              |   |
| Annotations     | Integer der den positiven Zahlenraum von drei Bytes umfasst                                                                                                                                                                                                                                                                                                                                         |              |          |              |   |
| Diagram         |                                                                                                                                                                                                                                                                                                                    |              |          |              |   |
| Type            | restriction of xs:unsignedInt                                                                                                                                                                                                                                                                                                                                                                       |              |          |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>16777215</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                         | maxInclusive | 16777215 | minInclusive | 0 |
| maxInclusive    | 16777215                                                                                                                                                                                                                                                                                                                                                                                            |              |          |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                                                                                   |              |          |              |   |
| Used by         | Simple Types tns:ReferenceNumberThree, tns:SequenceNumberThree                                                                                                                                                                                                                                                                                                                                      |              |          |              |   |
| Source          | <pre>&lt;xs:simpleType name="INT3"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von drei Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:unsignedInt"&gt;     &lt;xs:minInclusive value="0"/&gt;     &lt;xs:maxInclusive value="16777215"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |              |          |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                                                                      |              |          |              |   |

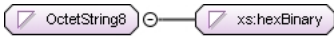
## Simple Type tns:OctetString1

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

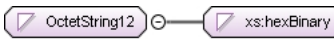
## Simple Type tns:OctetString4

|                 |                                                                                                                                                                                                                                                                                                                                                           |        |   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                              |        |   |
| Annotations     | Hexstring mit einer maximalen Laenge von 4 Zeichen                                                                                                                                                                                                                                                                                                        |        |   |
| Diagram         |                                                                                                                                                                                                                                                                        |        |   |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                               |        |   |
| Facets          | <table> <tr> <td>length</td><td>4</td></tr> </table>                                                                                                                                                                                                                                                                                                      | length | 4 |
| length          | 4                                                                                                                                                                                                                                                                                                                                                         |        |   |
| Source          | <pre>&lt;xs:simpleType name="OctetString4"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 4 Zeichen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="4" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |        |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                            |        |   |

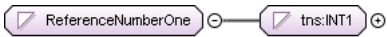
## Simple Type tns:OctetString8

|                 |                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                              |
| Annotations     | Hexstring mit einer maximalen Laenge von 8 Zeichen                                                                                                                                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                                                                                          |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                               |
| Facets          | length 8                                                                                                                                                                                                                                                                                                                                                  |
| Used by         | Elements<br>tns:appNmTransaktionMAC_Type/appMAC_AH, tns:appNmTransaktionMAC_Type/appMAC_KVP, tns:berNmTransaktionMAC_Type/berMAC_KVP, tns:berNmTransaktionMAC_Type/berMAC_PV                                                                                                                                                                              |
| Source          | <pre>&lt;xs:simpleType name="OctetString8"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 8 Zeichen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="8" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                            |

## Simple Type tns:OctetString12

|                 |                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                                                 |
| Annotations     | Hexstring mit einer maximalen Laenge von 12 Zeichen                                                                                                                                                                                                                                                                                                          |
| Diagram         |                                                                                                                                                                                                                                                                             |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                  |
| Facets          | length 12                                                                                                                                                                                                                                                                                                                                                    |
| Used by         | Element<br>tns:ASymSchluessel_ID_Type/signaturSchluessel                                                                                                                                                                                                                                                                                                     |
| Source          | <pre>&lt;xs:simpleType name="OctetString12"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hexstring mit einer maximalen Laenge von 12 Zeichen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="12" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                                               |

## Simple Type tns:ReferenceNumberOne

|                 |                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                  |
| Annotations     | Integer der den positiven Zahlenraum von einem Byte umfasst                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                            |
| Type            | tns:INT1                                                                                                                                                                                                                                                                                      |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:ReferenceNumberOne</li> </ul>                                                                                                                                                                            |
| Facets          | maxInclusive 255<br>minInclusive 0                                                                                                                                                                                                                                                            |
| Source          | <pre>&lt;xs:simpleType name="ReferenceNumberOne"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von einem Byte umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT1"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                |

## Simple Type tns:ReferenceNumberThree

|                 |                                                                                                                                                                                                                                                                                                 |                           |  |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                    |                           |  |
| Annotations     | Integer der den positiven Zahlenraum von drei Bytes umfasst                                                                                                                                                                                                                                     |                           |  |
| Diagram         |                                                                                                                                                                                                                |                           |  |
| Type            | tns:INT3                                                                                                                                                                                                                                                                                        |                           |  |
| Type hierarchy  | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT3<ul style="list-style-type: none"><li>• tns:ReferenceNumberThree</li></ul></li></ul></li></ul>                                                                                            |                           |  |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                    | 16777215                  |  |
|                 | minInclusive                                                                                                                                                                                                                                                                                    | 0                         |  |
| Used by         | Element                                                                                                                                                                                                                                                                                         | tns:Ort_ID_Type/ortNummer |  |
|                 | Simple Type                                                                                                                                                                                                                                                                                     | tns:SAM_ID_Type           |  |
| Source          | <pre>&lt;xs:simpleType name="ReferenceNumberThree"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von drei Bytes umfasst&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT3"/&gt; &lt;/xs:simpleType&gt;</pre> |                           |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                  |                           |  |

## Simple Type tns:SequenceNumberOne

|                 |                                                                                                                                                                                                                                                                                                                                        |     |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                           |     |  |
| Annotations     | Integer der den positiven Zahlenraum von einem Byte umfasst<br>Fachlich eine aufsteigende Sequenznummer.                                                                                                                                                                                                                               |     |  |
| Diagram         |                                                                                                                                                                                                                                                     |     |  |
| Type            | tns:INT1                                                                                                                                                                                                                                                                                                                               |     |  |
| Type hierarchy  | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT1<ul style="list-style-type: none"><li>• tns:SequenceNumberOne</li></ul></li></ul></li></ul>                                                                                                                                      |     |  |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                                           | 255 |  |
|                 | minInclusive                                                                                                                                                                                                                                                                                                                           | 0   |  |
| Source          | <pre>&lt;xs:simpleType name="SequenceNumberOne"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von einem Byte umfasst Fachlich eine aufsteigende Sequenznummer.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT1"/&gt; &lt;/xs:simpleType&gt;</pre> |     |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                         |     |  |

## Simple Type tns:SequenceNumberTwo

|                |                                                                                                                   |       |  |
|----------------|-------------------------------------------------------------------------------------------------------------------|-------|--|
| Namespace      | http://vdv/ka/common/types/1                                                                                      |       |  |
| Annotations    | Integer der den positiven Zahlenraum von zwei Bytes umfasst Fachlich eine aufsteigende Sequenznummer.             |       |  |
| Diagram        |                                |       |  |
| Type           | tns:INT2                                                                                                          |       |  |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:SequenceNumberTwo</li> </ul> |       |  |
| Facets         | maxInclusive                                                                                                      | 65535 |  |

|                 |                                                                                                                                                                                                                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | minInclusive 0                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:simpleType name="SequenceNumberTwo"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von zwei Bytes umfasst Fachlich eine aufsteigende Sequenznummer.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT2"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                         |

## Simple Type tns:SequenceNumberThree

|                 |                                                                                                                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/types/1                                                                                                                                                                                                                                                                                                             |
| Annotations     | Integer der den positiven Zahlenraum von drei Bytes umfasst Fachlich eine aufsteigende Sequenznummer.                                                                                                                                                                                                                                    |
| Diagram         |                                                                                                                                                                                                                                                         |
| Type            | tns:INT3                                                                                                                                                                                                                                                                                                                                 |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:SequenceNumberThree</li> </ul>                                                                                                                                                                                                                      |
| Facets          | maxInclusive 16777215<br>minInclusive 0                                                                                                                                                                                                                                                                                                  |
| Source          | <pre>&lt;xs:simpleType name="SequenceNumberThree"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Integer der den positiven Zahlenraum von drei Bytes umfasst Fachlich eine aufsteigende Sequenznummer.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="tns:INT3"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/types/1/XML-Schema_Common_Types.xsd                                                                                                                                                                                                           |

## Namespace: "http://vdv/ka/common/1"

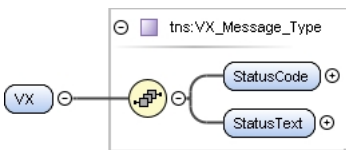
### Schema(s)

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

|                 |                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/1                                                                                                |
| Properties      | attribute form default: unqualified<br>element form default: unqualified                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/1/XML-Schema_KA_Common.xsd |

### Element(s)

#### Element tns:VX

|             |                                                                                                                                                                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/common/1                                                                                                                                                                                                                                              |
| Annotations | <p>KA VX Nachricht</p> <p>Eine VX Nachricht wird bei einer asynchronen Anwendungskommunikation als Bestaetigung einer Dienstanfrage gesendet.</p> <p>Durch die VX Nachricht wird dem anfragenden System der Status der iniitalen Datenuebermittlung mitgeteilt.</p> |
| Diagram     |                                                                                                                                                                                  |
| Type        | tns:VX_Message_Type                                                                                                                                                                                                                                                 |

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

## Simple Type(s)

### Simple Type tns:Organisation\_ID

|                 |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                        |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/1                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                        |
| Annotations     | Type: Eindeutiger Identifier einer Organisation                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                        |
| Type            | tns:ReferenceNumberTwo                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul>                                                                                                                                             |                                                                                                                                                                                                                                                                                                        |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                | 65535                                                                                                                                                                                                                                                                                                  |
|                 | minInclusive                                                                                                                                                                                                                                                                                | 0                                                                                                                                                                                                                                                                                                      |
| Used by         | Elements                                                                                                                                                                                                                                                                                    | tns:Berechtigung_ID_Type/kvp_ID, tns:EFMProdukt_ID_Type/organisationID, tns:Header_Type/nmKVP_ID, tns:IONTransaktion_ID_Type/transSender_ID, tns:ION_TX_HEADER_Type/transEmpfaenger_ID, tns:NmApplikationInstanz_ID_Type/kvp_ID, tns:Ort_ID_Type/ortDomaeene_ID, tns:Terminal_ID_Type/terminalOwner_ID |
| Source          | <pre>&lt;xs:simpleType name="Organisation_ID"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Type: Eindeutiger Identifier einer Organisation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:ReferenceNumberTwo"/&gt; &lt;/xs:simpleType&gt;</pre> |                                                                                                                                                                                                                                                                                                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/1/XML-Schema_KA_Common.xsd                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                        |

### Simple Type tns:KommunikationsParterRolle

|                |                                                                                                                           |             |
|----------------|---------------------------------------------------------------------------------------------------------------------------|-------------|
| Namespace      | http://vdv/ka/common/1                                                                                                    |             |
| Annotations    | Rolle des Kommunikationspartners: 1=KVP, 2=DL, 3=PV, 4=AH, 5=KOSES                                                        |             |
| Diagram        |                                        |             |
| Type           | restriction of tns:INT1                                                                                                   |             |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:KommunikationsParterRolle</li> </ul> |             |
| Facets         | maxInclusive                                                                                                              | 255         |
|                | minInclusive                                                                                                              | 0           |
|                | enumeration                                                                                                               | 0 Unbekannt |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                          |       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------|
|                      | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                                                                                        | KVP   |
|                      | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                                                                                        | DL    |
|                      | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                                                                                        | PV    |
|                      | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                                                                                        | AH    |
|                      | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5                                                                                        | K0SES |
|                      | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 254                                                                                      | ZVM   |
| Used by              | Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | tns:IONTransaktion_ID_Type/transSenderRolle, tns:ION_TX_HEADER_Type/transEmpfaengerRolle |       |
| Source               | <pre>&lt;xs:simpleType name="KommunikationsParterRolle"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Rolle des Kommunikationspartners: 1=KVP, 2=DL, 3=PV, 4=AH, 5=K0SES&lt;/   &lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Unbekannt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;KVP&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;DL&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;PV&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="4"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;AH&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="5"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;K0SES&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="254"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;ZVM&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                                                                          |       |
| Schema loca-<br>tion | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/1/XML-Schema_KA_Common.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          |       |

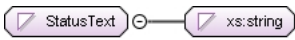
## Simple Type tns:StatusCode

|                |                                                                                                                                                                                                                        |     |                                                                                                                   |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/common/1                                                                                                                                                                                                 |     |                                                                                                                   |
| Annotations    | Status Codes einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten)                                                                                                                                  |     |                                                                                                                   |
| Diagram        |                                                                                                                                                                                                                        |     |                                                                                                                   |
| Type           | restriction of tns:INT1                                                                                                                                                                                                |     |                                                                                                                   |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt           <ul style="list-style-type: none"> <li>tns:INT1               <ul style="list-style-type: none"> <li>tns:StatusCode</li> </ul> </li> </ul> </li> </ul> |     |                                                                                                                   |
| Facets         | maxInclusive                                                                                                                                                                                                           | 255 |                                                                                                                   |
|                | minInclusive                                                                                                                                                                                                           | 0   |                                                                                                                   |
|                | enumeration                                                                                                                                                                                                            | 0   | Die Nachricht wurde erfolgreich entgegengenommen und alle notwendigen Informationen zur Weiterleitung liegen vor. |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                              | Ungueltige Nachricht. Die Sender ID oder die Routing Information kann nicht aus dem SOAP Header extrahiert werden.                                                |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                              | Ungleiche Sender ID. Die Sender ID, die im SOAP Header uebertragen wurde passt nicht zu der Sender ID, die in der VM zum Zertifikat des Senders hinterlegt wurde. |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                              | Unbekannter Empfaenger. 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 255                            | Technisches Problem. Es liegt ein technisches Problem vor. Die Nachricht konnte nicht erfolgreich entgegengenommen werden.                                        |
| Used by         | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | tns:VX_Message_Type/StatusCode |                                                                                                                                                                   |
| Source          | <pre>&lt;xs:simpleType name="StatusCode"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Status Codes einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone     Nachrichten)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Die Nachricht wurde erfolgreich entgegengenommen und alle notwendigen         Informationen zur Weiterleitung liegen vor.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Ungueltige Nachricht. Die Sender ID oder die Routing Information kann         nicht aus dem SOAP Header extrahiert werden.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Ungleiche Sender ID. Die Sender ID, die im SOAP Header uebertragen         wurde passt nicht zu der Sender ID, die in der VM zum Zertifikat des Senders hinterlegt wurde.&lt;/         xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Unbekannter Empfaenger. Zu den Routing Informationen ist in der VM keine         technische Empfaengeradresse hinterlegt.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="4"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Verbindungsproblem zum Empfaenger. Es konnte keine Verbindung zum         Empfaenger aufgebaut werden.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="5"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Timeout. Der Empfaenger antwortet nicht in einer vorgegebenen Zeit.&lt;/         xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="255"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Technisches Problem. Es liegt ein technisches Problem vor. Die Nachricht         konnte nicht erfolgreich entgegengenommen werden.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                |                                                                                                                                                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/1/XML-Schema_KA_Common.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |                                                                                                                                                                   |

## Simple Type tns:StatusText

|           |                        |
|-----------|------------------------|
| Namespace | http://vdv/ka/common/1 |
|-----------|------------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | Textuelle Beschreibung des "Status Codes" einer KA VX Nachricht                                                                                                                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                                                                          |
| Type            | restriction of xs:string                                                                                                                                                                                                                                                                                                                                  |
| Facets          | maxLength 255                                                                                                                                                                                                                                                                                                                                             |
| Used by         | Element tns:VX_Message_Type/StatusText                                                                                                                                                                                                                                                                                                                    |
| Source          | <pre>&lt;xs:simpleType name="StatusText"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Textuelle Beschreibung des "Status Codes" einer KA VX Nachricht&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:maxLength value="255"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/1/XML-Schema_KA_Common.xsd                                                                                                                                                                                                                                     |

## Complex Type(s)

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/common/1                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations     | Type: Struktur einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten)                                                                                                                                                                                                                                                                                                                                                                     |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                           |
| Used by         | Element tns:VX                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Model           | StatusCode, StatusText                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Children        | StatusCode, StatusText                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source          | <pre>&lt;xs:complexType name="VX_Message_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Type: Struktur einer KA VX Nachricht (Bestaetigung der ZVM fuer asynchrone Nachrichten)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="StatusCode" type="tns:StatusCode"/&gt;     &lt;xs:element name="StatusText" type="tns:StatusText"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/1/XML-Schema_KA_Common.xsd                                                                                                                                                                                                                                                                                                                                       |

## Namespace: "http://vdv/ka/ion/1"

### Schema(s)

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

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                          |
| Properties      | attribute form default: unqualified<br>element form default: unqualified                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |

## Element(s)

### Element tns:TXB

|             |                                             |
|-------------|---------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                         |
| Annotations | Element: Bestaetigung einer ION-Transaktion |

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

## Element tns:TXA

|                |                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                                               |
| Annotations    | Element: Ablehnung einer ION-Transaktion                                                                          |
| Diagram        |                                                                                                                   |
| Type           | tns:TXA_Type                                                                                                      |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> <li>tns:TXA_Type</li> </ul> |
| Properties     | content: complex                                                                                                  |

|                 |                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , transAblehnungGrund                                                                                                                                                                                                                                                              |
| Children        | transAblehnungGrund, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                       |
| Instance        | <pre>&lt;tns:TXA xmlns:tns="http://vdv/ka/ion/1"&gt;   &lt;txbase&gt;{1,1}&lt;/txbase&gt;   &lt;transOrigID&gt;{1,1}&lt;/transOrigID&gt;   &lt;transOrigSignatur&gt;{0,1}&lt;/transOrigSignatur&gt;   &lt;transOriginalZeit&gt;{1,1}&lt;/transOriginalZeit&gt;   &lt;transAblehnungGrund&gt;{1,1}&lt;/transAblehnungGrund&gt; &lt;/tns:TXA&gt;</pre> |
| Source          | <pre>&lt;xs:element name="TXA" type="tns:TXA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Ablehnung einer ION-Transaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                         |

## Element tns:TXBRequest

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

## Element tns:TXARequest

|             |                                                                           |
|-------------|---------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                                       |
| Annotations | Element: Mitteilung eines Verarbeitungsstatus (Fehlerhaft im Drittsystem) |

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

## Element tns:TXDEABER

|                |                                                                                                    |
|----------------|----------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                                |
| Annotations    | Element: Dienstanfrage: "Loeschen einer Produkt-Akzeptanz von allen akzeptierenden Organisationen" |
| Diagram        |                                                                                                    |
| Type           | tns:TXDEABER_Req_Type                                                                              |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXDEABER_Req_Type</li> </ul>  |
| Properties     | content: complex                                                                                   |
| Model          | txbase , prodAkzeptanzEnde , prodProdukt_ID                                                        |
| Children       | prodAkzeptanzEnde, prodProdukt_ID, txbase                                                          |
| Instance       | <pre>&lt;tns:TXDEABER xmlns:tns="http://vdv/ka/ion/1"&gt;</pre>                                    |

|                 |                                                                                                                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;txbase&gt;{1,1}&lt;/txbase&gt; &lt;prodAkzeptanzEnde&gt;{1,1}&lt;/prodAkzeptanzEnde&gt; &lt;prodProdukt_ID&gt;{1,1}&lt;/prodProdukt_ID&gt; &lt;/tns:TXDEABER&gt; </pre>                                                                                                                         |
| Source          | <pre> &lt;xs:element name="TXDEABER" type="tns:TXDEABER_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Dienstanfrage: "Loeschen einer Produkt-Akzeptanz von allen akzeptierenden Organisationen"&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                              |

## Element tns:TXSFREIMITA

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

## Element tns:TXSANFSYMK

|             |                                                               |
|-------------|---------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                           |
| Annotations | Element: Sperranforderung fuer einen symmetrischen Schluessel |

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

## Element tns:TXSANFASYMK

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

|                 |                                                                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&lt;sperrSperrgrund&gt;{1,1}&lt;/sperrSperrgrund&gt; &lt;keySperrkandidataSym&gt;{1,1}&lt;/keySperrkandidataSym&gt; &lt;/tns:TXSANFASYMK&gt;</pre>                                                                                                                |
| Source          | <pre>&lt;xs:element name="TXSANFASYMK" type="tns:TXSANFASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Element: Sperranforderung fuer einen asymmetrischen Schluessel&lt;/   xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                           |

## Element tns:TXSAANFSYMK

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

## Element tns:TXSAANFASYMK

|             |                                                                          |
|-------------|--------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                                      |
| Annotations | Element: Sperraufhebungsanforderung fuer einen asymmetrischen Schluessel |

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

## Element tns:TXSFREIMITSYMK

|                |                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                                                           |
| Annotations    | Element: Sperrfreigabemitteilung symmetrischer Key                                                                            |
| Diagram        |                                                                                                                               |
| Type           | tns:TXSFREIMITSYMK_Type                                                                                                       |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITSYMK_Type</li> </ul> |

Element tns:TXSMITSYMK

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

## Element tns:TXSMITASYMK

|                |                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                                                        |
| Annotations    | Element: Sperrmitteilung asymmetrischer Schluessel                                                                         |
| Diagram        |                                                                                                                            |
| Type           | tns:TXSMITASYMK_Type                                                                                                       |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITASYMK_Type</li> </ul> |
| Properties     | content: complex                                                                                                           |
| Model          | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                   |

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

## Complex Type(s)

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations     | Typ: ID einer Applikationsinstanz auf dem Nutzermedium                                                                                                                                                                                                                                                                                                                                                                                                  |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Used by         | Elements tns:Nutzermedium_Type/appInstanz_ID, tns:TXSFREIMITA_Type/appSperrkandidat                                                                                                                                                                                                                                                                                                                                                                     |
| Model           | NmAppInstanznummer , kvp_ID                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Children        | NmAppInstanznummer, kvp_ID                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source          | <pre>&lt;xs:complexType name="NmApplikationInstanz_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: ID einer Applikationsinstanz auf dem Nutzermedium&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="NmAppInstanznummer" type="ct:ReferenceNumberFour"/&gt;     &lt;xs:element name="kvp_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                            |

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations     | Typ: Datenstruktur Ort_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Model           | ortTyp , ortNummer , ortDomaene_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Children        | ortDomaene_ID, ortNummer, ortTyp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre>&lt;xs:complexType name="Ort_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Datenstruktur Ort_ID&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ortTyp" type="tns:OrtsTyp_CODE_Type"/&gt;     &lt;xs:element name="ortNummer" type="ct:ReferenceNumberThree"/&gt;     &lt;!-- Wilk Hoffmann: korrigiert --&gt;     &lt;xs:element name="ortDomaene_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                             |

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

|           |                     |
|-----------|---------------------|
| Namespace | http://vdv/ka/ion/1 |
|-----------|---------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | Typ: Datenstruktur Terminal_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model           | terminalTyp , terminalNumber , terminalOwner_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Children        | terminalNumber, terminalOwner_ID, terminalTyp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Source          | <pre> &lt;xs:complexType name="Terminal_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Datenstruktur Terminal_ID&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;!-- Wilk Hoffmann: korrigiert --&gt;     &lt;xs:element name="terminalTyp" type="tns:TerminalTyp_CODE_Type"/&gt;     &lt;xs:element name="terminalNumber" type="ct:ReferenceNumberTwo"/&gt;     &lt;!-- Wilk Hoffmann: korrigiert --&gt;     &lt;xs:element name="terminalOwner_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Complex Type tns:Berechtigung\_ID\_Type

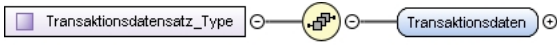
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                   |
| Annotations     | Typ: ID einer Berechtigung                                                                                                                                                                                                                                                                                                                                                                                            |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Model           | berechtigungNummer , kvp_ID                                                                                                                                                                                                                                                                                                                                                                                           |
| Children        | berechtigungNummer, kvp_ID                                                                                                                                                                                                                                                                                                                                                                                            |
| Source          | <pre> &lt;xs:complexType name="Berechtigung_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: ID einer Berechtigung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="berechtigungNummer" type="ct:ReferenceNumberFour"/&gt;     &lt;xs:element name="kvp_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                          |

## Complex Type tns:EFMProdukt\_ID\_Type

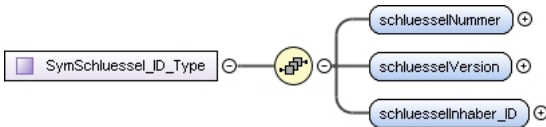
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Annotations | Typ: Datenstruktur EFMProdukt_ID, bestehend aus Produktverantwortlichen und Produktnummer (zusammen eindeutig)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Used by     | Element tns:TXDEABER_Req_Type/prodProdukt_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Model       | produktNummer{0,1} , organisationID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Children    | organisationID, produktNummer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source      | <pre> &lt;xs:complexType name="EFMProdukt_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Datenstruktur EFMProdukt_ID, bestehend aus Produktverantwortlichen und Produktnummer (zusammen eindeutig)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="produktNummer" type="ct:ReferenceNumberTwo" minOccurs="0" maxOccurs="1"/&gt;     &lt;xs:element name="organisationID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |
|-----------------|--------------------------------------------------------------------------------------------------------------|

## Complex Type tns:Transaktionsdatensatz\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                            |
| Annotations     | Typ: Transaktionsdatensatz                                                                                                                                                                                                                                                                                                                     |
| Diagram         |                                                                                                                                                                                                                                                               |
| Model           | Transaktionsdaten                                                                                                                                                                                                                                                                                                                              |
| Children        | Transaktionsdaten                                                                                                                                                                                                                                                                                                                              |
| Source          | <pre>&lt;xs:complexType name="Transaktionsdatensatz_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Transaktionsdatensatz&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Transaktionsdaten" type="xs:hexBinary"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                   |

## Complex Type tns:SymSchluessel\_ID\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Annotations     | Typ: Schluessel ID                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                            |
| Used by         | Elements<br>tns:TXSANFSYMK_Type/keySperrkandidat, tns:TXSFREIMITSYMK_Type/keySperrkandidat-sym, tns:TXSMITSYMK_Type/keySperrkandidatsym, tns:appNmTransaktionMAC_Type/appMAC_AH_Schluessel_ID, tns:appNmTransaktionMAC_Type/appMAC_KVP_Schluessel_ID, tns:berNmTransaktionMAC_Type/berMAC_KVP_Schluessel_ID, tns:berNmTransaktionMAC_Type/berMAC_PV_Schluessel_ID                                                                                                            |
| Model           | schluesselNummer , schluesselVersion , schluesselInhaber_ID                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Children        | schluesselInhaber_ID, schluesselNummer, schluesselVersion                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Source          | <pre>&lt;xs:complexType name="SymSchluessel_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Schluessel ID&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="schluesselNummer" type="ct:INT1"/&gt;     &lt;xs:element name="schluesselVersion" type="ct:INT1"/&gt;     &lt;xs:element name="schluesselInhaber_ID" type="ct:ReferenceNumberTwo"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                 |

## Complex Type tns:ASymSchluessel\_ID\_Type

|             |                                                                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                                                                                                             |
| Annotations | Type: Identifizierungsmerkmal, das den Schluessel eindeutig bestimmt.                                                                           |
| Diagram     |                                                              |
| Used by     | Elements<br>tns:TXSANFASYMK_Type/keySperrkandidataSym, tns:TXSFREIMITASYMK_Type/keySperrkandidatasym, tns:TXSMITASYMK_Type/keySperrkandidatasym |
| Model       | signaturSchluessel                                                                                                                              |
| Children    | signaturSchluessel                                                                                                                              |
| Source      | <pre>&lt;xs:complexType name="ASymSchluessel_ID_Type"&gt;   &lt;xs:annotation&gt;</pre>                                                         |

|                 |                                                                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:documentation&gt;Type: Identifizierungsmerkmal, das den Schluesssel eindeutig bestimmt.&lt;/ xs:documentation&gt; &lt;/xs:annotation&gt; &lt;xs:sequence&gt;   &lt;xs:element name="signaturSchluesssel" type="ct:OctetString12"/&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                           |

## Complex Type tns:appNmTransaktionMAC\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations     | Typ: MAC-Sicherung fuer Applikations-Transaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Diagram         | <pre> graph LR     appNmTransaktionMAC_Type --&gt; appMAC_AH     appNmTransaktionMAC_Type --&gt; appMAC_KVP     appNmTransaktionMAC_Type --&gt; appMAC_AH_Schluesssel_ID     appNmTransaktionMAC_Type --&gt; appMAC_KVP_Schluesssel_ID </pre>                                                                                                                                                                                                                                                                                                                                                                           |
| Model           | appMAC_AH , appMAC_KVP , appMAC_AH_Schluesssel_ID , appMAC_KVP_Schluesssel_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Children        | appMAC_AH, appMAC_AH_Schluesssel_ID, appMAC_KVP, appMAC_KVP_Schluesssel_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source          | <pre> &lt;xs:complexType name="appNmTransaktionMAC_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: MAC-Sicherung fuer Applikations-Transaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="appMAC_AH" type="ct:OctetString8"/&gt;     &lt;xs:element name="appMAC_KVP" type="ct:OctetString8"/&gt;     &lt;xs:element name="appMAC_AH_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type"/&gt;     &lt;xs:element name="appMAC_KVP_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Complex Type tns:berNmTransaktionMAC\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations     | Typ: MAC-Sicherung fuer Berechtigungs-Transaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Diagram         | <pre> graph LR     berNmTransaktionMAC_Type --&gt; berMAC_PV     berNmTransaktionMAC_Type --&gt; berMAC_KVP     berNmTransaktionMAC_Type --&gt; berMAC_PV_Schluesssel_ID     berNmTransaktionMAC_Type --&gt; berMAC_KVP_Schluesssel_ID </pre>                                                                                                                                                                                                                                                                                                                                                                            |
| Model           | berMAC_PV , berMAC_KVP , berMAC_PV_Schluesssel_ID , berMAC_KVP_Schluesssel_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Children        | berMAC_KVP, berMAC_KVP_Schluesssel_ID, berMAC_PV, berMAC_PV_Schluesssel_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source          | <pre> &lt;xs:complexType name="berNmTransaktionMAC_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: MAC-Sicherung fuer Berechtigungs-Transaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="berMAC_PV" type="ct:OctetString8"/&gt;     &lt;xs:element name="berMAC_KVP" type="ct:OctetString8"/&gt;     &lt;xs:element name="berMAC_PV_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type"/&gt;     &lt;xs:element name="berMAC_KVP_Schluesssel_ID" type="tns:SymSchluesssel_ID_Type"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Complex Type tns:IONTransaktion\_ID\_Type

|             |                                                               |
|-------------|---------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                           |
| Annotations | Typ: ID fuer Transaktionen, die ueber das ION (Interoperables |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | <p>Netzwerk) durchgefuehrt werden.<br/>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Diagram              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Used by              | <p>Elements      tns:ION_TX_HEADER_Type/transTransaktion_ID, tns:TX_RET_Type/transOrigID, tns:TX_SMIT_Type/sperrAnforderungBezug</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Model                | <p>transSequenznummer , transSenderRolle , transSender_ID</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Children             | <p>transSenderRolle, transSender_ID, transSequenznummer</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source               | <pre>&lt;xs:complexType name="IONTransaktion_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: ID fuer Transaktionen, die ueber das ION (Interparables 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.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="transSequenznummer" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transSenderRolle" type="ka:KommunikationsParterRolle"/&gt;     &lt;xs:element name="transSender_ID" type="ka:Organisation_ID"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| Schema loca-<br>tion | <p>file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | <p>http://vdv/ka/ion/1</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Annotations | <p>Routing relevante Daten des Nachrichtenkopfs von VDV KA Transaktionen</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Diagram     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Used by     | <p>Element      tns:TX_BASE_Type/txbase</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Model       | <p>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}</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Children    | <p>transAuftrag, transEmpfaengerRolle, transEmpfaenger_ID, transSignatur, transSignaturTyp, transSignaturZertifikat, transStatus, transTransaktion_ID, transTransaktionsTyp, transTransaktionsZeitpunkt, transVersion, transWiederholungsZaehler</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source      | <pre>&lt;xs:complexType name="ION_TX_HEADER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Routing relevante Daten des Nachrichtenkopfs von VDV KA Transaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="transAuftrag" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transEmpfaenger_ID" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transEmpfaengerRolle" type="ka:KommunikationsParterRolle"/&gt;     &lt;xs:element name="transStatus" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transTransaktion_ID" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transTransaktionsTyp" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transTransaktionsZeitpunkt" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transVersion" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transWiederholungsZaehler" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transSignaturTyp" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transSignaturZertifikat" type="ct:SequenceNumberFour"/&gt;     &lt;xs:element name="transSignatur" type="ct:SequenceNumberFour"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Annotations     | Basisdaten fuer alle Transaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Used by         | Complex Types      tns:TXAS_Type, tns:TXDEABER_Req_Type, tns:TX_RET_Type, tns:TX_SANF_Type,<br>tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Model           | txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Children        | txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source          | <pre> &lt;xs:complexType name="TX_BASE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Basisdaten fuer alle Transaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="txbase" type="tns:ION_TX_HEADER_Type"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Fachliche Daten ueber die in der Transaktion involvierten Systeme&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|             |                                         |
|-------------|-----------------------------------------|
| Namespace   | http://vdv/ka/ion/1                     |
| Annotations | Typ: Basisdaten fuer Antworttransaktion |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Used by         | Complex Types tns:TXA_Type, tns:TXB_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Model           | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Children        | transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source          | <pre> &lt;xs:complexType name="TX_RET_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Antworttransaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="transOrigID" type="tns:IONTransaktion_ID_Type"/&gt;         &lt;xs:element name="transOrigSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/&gt;         &lt;xs:element name="transOriginalZeit" type="xs:dateTime"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Complex Type tns:TXA\_Type

|                |                                                                                                                                                                                                |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                                                                                                                            |
| Annotations    | Typ: Ablehnung einer ION-Transaktion                                                                                                                                                           |
| Diagram        |                                                                                                                                                                                                |
| Type           | extension of tns:TX_RET_Type                                                                                                                                                                   |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_RET_Type</li> <li>tns:TXA_Type</li> </ul>                                                                              |
| Used by        | Elements tns:TXA, tns:TXAResponse                                                                                                                                                              |
| Model          | txbase , transOrigID , transOrigSignatur{0,1} , transOriginalZeit , transAblehnungGrund                                                                                                        |
| Children       | transAblehnungGrund, transOrigID, transOrigSignatur, transOriginalZeit, txbase                                                                                                                 |
| Source         | <pre> &lt;xs:complexType name="TXA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ablehnung einer ION-Transaktion&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre> |

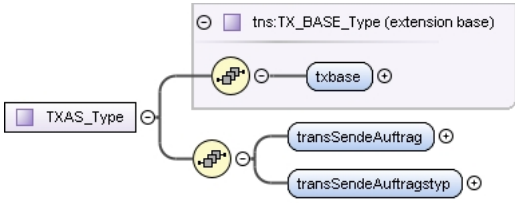
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | <pre> &lt;xs:complexContent&gt;   &lt;xs:extension base="tns:TX_RET_Type"&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="transAblehnungGrund" type="ct:INT1"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;WICHTIG: Aus Historischen Gruenden ist TXA_Type ein allgemeiner Typ, der von allen teilnehmenden Systemen genutzt wird. Das fuehrt dazu, dass sich alle Systeme dieselben 'transAblehnungGrund' Fehlercodes teilen. Dies ist suboptimal, da, wann immer sich einer der 'transAblehnungGrund' Fehlercodes veraendert, alle teilnehmenden Systeme angepasst, getestet und in einer neuen Version zur Verfuegung gestellt werden muessten. Um TXA wie bisher weiterverwenden zu koennen, und um das beschriebene Abhaengigkeitsproblem zu vermeiden, wurde dieses Feld nicht mit expliziter Aufzaehlung der moeglichen Fehlercodes, sondern mit einem simplen numerischen Typen versehen. Die genauen Fehlercodes sind der Schnittstelle des jeweiligen konkreten teilnehmenden Systems zu entnehmen. Die Codes 0 bis 9 (einschliesslich) sind fuer allgemeine Fehler reserviert und duerfen von den teilnehmenden Systemen nur fuer die vorgesehene Semantik verwendet werden (siehe Typ 'CommonServiceResultCode'). Es wird empfohlen, fuer die vollstaendigkeit der Schnittstelle, in den XSDs des jeweiligen Systems einen Aufzaehlungstypen vom Basistypen 'ct:INT1' mit den jeweiligen Fehlercodes des Systems zu definieren.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;   &lt;/xs:extension&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema loca-<br>tion | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Complex Type tns:TXB\_Type

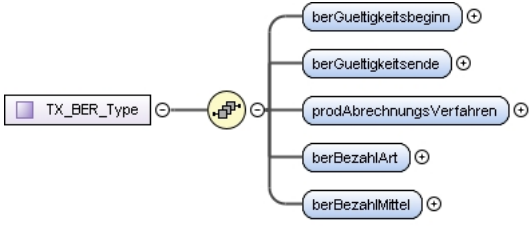
|                      |                                                                                                                                                                                                                                                                                    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

## Complex Type tns:TXAS\_Type

|             |                              |
|-------------|------------------------------|
| Namespace   | http://vdv/ka/ion/1          |
| Annotations | Typ: Aufforderung zum Senden |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagram         |  The diagram shows a box for 'TXAS_Type' connected to a larger box labeled 'tns:TX_BASE_Type (extension base)'. Inside the base box, there is a sequence of three elements: 'txbase', 'transSendeAuftrag', and 'transSendeAuftragstyp'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXAS_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Model           | txbase , transSendeAuftrag , transSendeAuftragstyp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Children        | transSendeAuftrag, transSendeAuftragstyp, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Source          | <pre> &lt;xs:complexType name="TXAS_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Aufforderung zum Senden&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="transSendeAuftrag"&gt;           &lt;xs:simpleType&gt;             &lt;xs:restriction base="tns:PrintableString"&gt;               &lt;xs:minLength value="0"/&gt;               &lt;xs:maxLength value="10"/&gt;             &lt;/xs:restriction&gt;           &lt;/xs:simpleType&gt;         &lt;/xs:element&gt;         &lt;!-- TODO Wilk Hoffmann: Wenn dann bitte mit Aufzaehlung (verschoben bis stabil)--&gt;         &lt;xs:element name="transSendeAuftragstyp" type="tns:AuftragsTyp_CODE"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Complex Type tns:TX\_BER\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Annotations     | Typ: Basisdaten fuer Berechtigungstransaktionen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Diagram         |  The diagram shows a box for 'TX_BER_Type' connected to a sequence of five elements: 'berGueltigkeitsbeginn', 'berGueltigkeitsende', 'prodAbrechnungsVerfahren', 'berBezahlArt', and 'berBezahlMittel'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model           | berGueltigkeitsbeginn , berGueltigkeitsende , prodAbrechnungsVerfahren , berBezahlArt , berBezahlMittel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Children        | berBezahlArt, berBezahlMittel, berGueltigkeitsbeginn, berGueltigkeitsende, prodAbrechnungsVerfahren                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source          | <pre> &lt;xs:complexType name="TX_BER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Berechtigungstransaktionen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="berGueltigkeitsbeginn" type="ct:DateTimeCompact"/&gt;     &lt;xs:element name="berGueltigkeitsende" type="ct:DateTimeCompact"/&gt;     &lt;!-- Wilk Hoffmann: korrigiert --&gt;     &lt;xs:element name="prodAbrechnungsVerfahren" type="tns:Abrechnungsverfahren_CODE_Type"/&gt;     &lt;!-- Wilk Hoffmann: korrigiert --&gt;     &lt;xs:element name="berBezahlArt" type="tns:Bezahlart_CODE_Type"/&gt;     &lt;xs:element name="berBezahlMittel" type="ct:OctetString10"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Complex Type tns:TXDEABER\_Req\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations     | Typ: Dienstanfrage "Entfernen einer Produkt Akzeptanz fuer alle Organisationen"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Type            | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TXDEABER_Req_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Used by         | Element tns:TXDEABER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Model           | txbase , prodAkzeptanzEnde , prodProdukt_ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Children        | prodAkzeptanzEnde, prodProdukt_ID, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source          | <pre> &lt;xs:complexType name="TXDEABER_Req_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Dienstanfrage "Entfernen einer Produkt Akzeptanz fuer alle Organisationen"&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="prodAkzeptanzEnde" type="ct:Date"/&gt;         &lt;xs:element name="prodProdukt_ID" type="tns:EFMProdukt_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Complex Type tns:TX\_SMIT\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Annotations    | Typ: Basisdaten fuer Sperrmitteilungen                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Type           | extension of tns:TX_BASE_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Used by        | Complex Types tns:TXSFREIMITASYMK_Type, tns:TXSFREIMITA_Type, tns:TXSFREIMITSYMK_Type, tns:TXSMITASYMK_Type, tns:TXSMITSYMK_Type                                                                                                                                                                                                                                                                                                                                                                                 |
| Model          | txbase , sperrAnforderungBezug , sperrEntscheidung                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children       | sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source         | <pre> &lt;xs:complexType name="TX_SMIT_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Sperrmitteilungen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="sperrAnforderungBezug" type="tns:IONTransaktion_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |

|                 |                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:element name="sperrEntscheidung" type="tns:Mitteilung_CODE_Type"/&gt; &lt;/xs:sequence&gt; &lt;/xs:extension&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                            |

## Complex Type tns:TXSFREIMITA\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations     | Typ: Sperrfreigabemitteilung Applikation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITA_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Element tns:TXSFREIMITA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , appSperrkandidat                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Children        | appSperrkandidat, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source          | <pre> &lt;xs:complexType name="TXSFREIMITA_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="appSperrkandidat" type="tns:NmApplikationInstanz_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                            |

## Complex Type tns:TX\_SANF\_Type

|                |                                                                                              |
|----------------|----------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                          |
| Annotations    | Typ: Basisdaten fuer Sperranforderungen                                                      |
| Diagram        |                                                                                              |
| Type           | extension of tns:TX_BASE_Type                                                                |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> </ul> |
| Used by        | Complex Types tns:TXSANFASYMK_Type, tns:TXSANFSYMK_Type                                      |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model           | txbase , sperrSperrgrund                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Children        | sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Source          | <pre> &lt;xs:complexType name="TX_SANF_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Basisdaten fuer Sperranforderungen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_BASE_Type"&gt;       &lt;xs:sequence&gt;         &lt;!-- Wilk Hoffmann: muss spaeter aus Aufzaehlung kommen --&gt;         &lt;xs:element name="sperrSperrgrund" type="ct:INT1"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Complex Type tns:TXSANFSYMK\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                      |         |                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------|---------|----------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                      |         |                |
| Annotations     | Typ: Sperranforderung fuer einen symmetrischen Schluessel                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                      |         |                |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                      |         |                |
| Type            | extension of tns:TX_SANF_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                      |         |                |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFSYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                        |              |                      |         |                |
| Used by         | <table> <tr> <td>Complex Type</td><td>tns:TXSAANFSYMK_Type</td></tr> <tr> <td>Element</td><td>tns:TXSANFSYMK</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                  | Complex Type | tns:TXSAANFSYMK_Type | Element | tns:TXSANFSYMK |
| Complex Type    | tns:TXSAANFSYMK_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                      |         |                |
| Element         | tns:TXSANFSYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                      |         |                |
| Model           | txbase , sperrSperrgrund , keySperrkandidat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                      |         |                |
| Children        | keySperrkandidat, sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                      |         |                |
| Source          | <pre> &lt;xs:complexType name="TXSANFSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperranforderung fuer einen symmetrischen Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SANF_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidat" type="tns:SymSchluessel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |              |                      |         |                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                      |         |                |

## Complex Type tns:TXSANFASYMK\_Type

|             |                                                            |
|-------------|------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                        |
| Annotations | Typ: Sperranforderung fuer einen asymmetrischen Schluessel |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                       |         |                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|---------|-----------------|
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                       |         |                 |
| Type            | extension of tns:TX_SANF_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                       |         |                 |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFASYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                              |              |                       |         |                 |
| Used by         | <table border="1"> <tr> <td>Complex Type</td> <td>tns:TXSAANFASYMK_Type</td> </tr> <tr> <td>Element</td> <td>tns:TXSANFASYMK</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                        | Complex Type | tns:TXSAANFASYMK_Type | Element | tns:TXSANFASYMK |
| Complex Type    | tns:TXSAANFASYMK_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                       |         |                 |
| Element         | tns:TXSANFASYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                       |         |                 |
| Model           | txbase , sperrSperrgrund , keySperrkandidataSym                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                       |         |                 |
| Children        | keySperrkandidataSym, sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                       |         |                 |
| Source          | <pre> &lt;xs:complexType name="TXSANFASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperranforderung fuer einen asymmetrischen Schluessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SANF_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidataSym" type="tns:ASymSchluessel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |              |                       |         |                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                       |         |                 |

## Complex Type tns:TXSAANFSYMK\_Type

|                |                                                                                                                                                         |         |                 |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|
| Namespace      | http://vdv/ka/ion/1                                                                                                                                     |         |                 |
| Annotations    | Typ: Sperraufhebungsanforderung fuer einen symmetrischen Schluessel                                                                                     |         |                 |
| Diagram        |                                                                                                                                                         |         |                 |
| Type           | extension of tns:TXSANFSYMK_Type                                                                                                                        |         |                 |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFSYMK_Type</li> <li>tns:TXSAANFSYMK_Type</li> </ul> |         |                 |
| Used by        | <table border="1"> <tr> <td>Element</td> <td>tns:TXSAANFSYMK</td> </tr> </table>                                                                        | Element | tns:TXSAANFSYMK |
| Element        | tns:TXSAANFSYMK                                                                                                                                         |         |                 |
| Model          | txbase , sperrSperrgrund , keySperrkandidat                                                                                                             |         |                 |
| Children       | keySperrkandidat, sperrSperrgrund, txbase                                                                                                               |         |                 |
| Source         | <pre> &lt;xs:complexType name="TXSAANFSYMK_Type"&gt; </pre>                                                                                             |         |                 |

|                 |                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:annotation&gt;   &lt;xs:documentation&gt;Typ: Sperraufhebungsanforderung fuer einen symmetrischen Schluessel&lt;/ xs:documentation&gt; &lt;/xs:annotation&gt; &lt;xs:complexContent&gt;   &lt;xs:extension base="tns:TXSANFASYMK_Type"/&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                       |

## Complex Type tns:TXSAANFASYMK\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                             |
| Annotations     | Typ: Sperraufhebungsanforderung fuer einen asymmetrischen Schluessel                                                                                                                                                                                                                                                                                                            |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                 |
| Type            | extension of tns:TXSANFASYMK_Type                                                                                                                                                                                                                                                                                                                                               |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SANF_Type</li> <li>tns:TXSANFASYMK_Type</li> <li>tns:TXSAANFASYMK_Type</li> </ul>                                                                                                                                                                                                                       |
| Used by         | Element tns:TXSAANFASYMK                                                                                                                                                                                                                                                                                                                                                        |
| Model           | txbase , sperrSperrgrund , keySperrkandidataSym                                                                                                                                                                                                                                                                                                                                 |
| Children        | keySperrkandidataSym, sperrSperrgrund, txbase                                                                                                                                                                                                                                                                                                                                   |
| Source          | <pre> &lt;xs:complexType name="TXSAANFASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperraufhebungsanforderung fuer einen asymmetrischen Schluessel&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TXSANFASYMK_Type"/&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                    |

## Complex Type tns:TXSFREIMITSYMK\_Type

|             |                                                       |
|-------------|-------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                   |
| Annotations | Typ: Sperrfreigabemitteilung symmetrischer Schluessel |
| Diagram     |                                                       |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITSYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                       |
| Used by         | Element tns:TXSFREIMITSYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Children        | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source          | <pre>&lt;xs:complexType name="TXSFREIMITSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung symmetrischer Schluesssel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidatsym" type="tns:SymSchluesssel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Complex Type tns:TXSFREIMITASYMK\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Annotations     | Typ: Sperrfreigabemitteilung asymmetrischer Schluesssel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSFREIMITASYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                          |
| Used by         | Element tns:TXSFREIMITASYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatasym                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children        | keySperrkandidatasym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source          | <pre>&lt;xs:complexType name="TXSFREIMITASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrfreigabemitteilung asymmetrischer Schluesssel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidatasym" type="tns:ASymSchluesssel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Complex Type tns:TXSMITSYMK\_Type

|           |                     |
|-----------|---------------------|
| Namespace | http://vdv/ka/ion/1 |
|-----------|---------------------|

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | Typ: Sperrmitteilung symmetrischer Schuessel                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Diagram         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type            | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITSYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                              |
| Used by         | Element tns:TXSMITSYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Model           | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Children        | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source          | <pre> &lt;xs:complexType name="TXSMITSYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrmitteilung symmetrischer Schuessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                           |

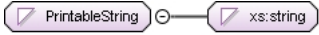
## Complex Type tns:TXSMITASYMK\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Annotations    | Typ: Sperrmitteilung asymmetrischer Schuessel                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Type           | extension of tns:TX_SMIT_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Type hierarchy | <ul style="list-style-type: none"> <li>tns:TX_BASE_Type</li> <li>tns:TX_SMIT_Type</li> <li>tns:TXSMITASYMK_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                               |
| Used by        | Element tns:TXSMITASYMK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model          | txbase , sperrAnforderungBezug , sperrEntscheidung , keySperrkandidatsym                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Children       | keySperrkandidatsym, sperrAnforderungBezug, sperrEntscheidung, txbase                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Source         | <pre> &lt;xs:complexType name="TXSMITASYMK_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Sperrmitteilung asymmetrischer Schuessel&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="tns:TX_SMIT_Type"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="keySperrkandidatsym" type="tns:SymSchluessel_ID_Type"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:documentation&gt;Typ: Sperrmitteilung asymmetrischer Schuessel&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;xs:complexContent&gt;   &lt;xs:extension base="tns:TX_SMIT_Type"&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="keySperrkandidatasym" type="tns:ASymSchluessel_ID_Type"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:extension&gt; &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                    |

## Simple Type(s)

### Simple Type tns:PrintableString

|                 |                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                           |
| Diagram         |                                                                                                              |
| Type            | restriction of xs:string                                                                                                                                                                      |
| Facets          | pattern [ -p ] *                                                                                                                                                                              |
| Used by         | Element tns:TXAS_Type/transSendeAuftrag                                                                                                                                                       |
| Source          | <pre> &lt;xs:simpleType name="PrintableString"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:pattern value="[ -p ]*" /&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                  |

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

|             |                                                                                     |     |                                                                                                |
|-------------|-------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                                                 |     |                                                                                                |
| Annotations | Typ: Ortstypen BOM 6_44                                                             |     |                                                                                                |
| Diagram     |  |     |                                                                                                |
| Type        | restriction of xs:unsignedInt                                                       |     |                                                                                                |
| Facets      | enumeration                                                                         | 0   | Bushaltestelle                                                                                 |
|             | enumeration                                                                         | 1   | U-Bahn- (Metro-)Station                                                                        |
|             | enumeration                                                                         | 2   | Bahnhof (Eisenbahn)                                                                            |
|             | enumeration                                                                         | 3   | Strassenbahn- (TRAM-) Haltestelle                                                              |
|             | enumeration                                                                         | 11  | Verkaufsstelle                                                                                 |
|             | enumeration                                                                         | 16  | Gebiet(auch fuer Zone)                                                                         |
|             | enumeration                                                                         | 17  | Korridor                                                                                       |
|             | enumeration                                                                         | 200 | Haltestelle allgemein<br>fuer Haltestellen im Fahrplansinne,<br>unabhaengig vom Verkehrsmittel |
|             | enumeration                                                                         | 201 | Massenpersonalisierer                                                                          |
|             | enumeration                                                                         | 202 | areaList_ID                                                                                    |
|             | enumeration                                                                         | 203 | im Fahrzeug/Zug                                                                                |
|             | enumeration                                                                         | 204 | TouchPoint                                                                                     |
|             | enumeration                                                                         | 205 | im Fahrzeug der Linie                                                                          |
|             | enumeration                                                                         | 206 | im Fahrzeug der Zugnummer                                                                      |
|             | enumeration                                                                         | 207 | Teilzone                                                                                       |
|             | enumeration                                                                         | 208 | neutrale Zone                                                                                  |
|             | enumeration                                                                         | 209 | Wabe                                                                                           |
|             | enumeration                                                                         | 210 | Grosswabe                                                                                      |
|             | enumeration                                                                         | 211 | Tarifpunkt                                                                                     |

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |              |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|
|         | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 212                    | Backoffice   |
|         | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 251                    | Ortsteil     |
|         | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 252                    | Gemeinde     |
|         | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 253                    | Kreis        |
|         | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 254                    | Land         |
|         | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 255                    | keine Angabe |
| Used by | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | tns:Ort_ID_Type/ortTyp |              |
| Source  | <pre>&lt;xs:simpleType name="OrtsTyp_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ: Ortstypen BOM 6_44&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:unsignedInt"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Bushaltestelle&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;U-Bahn- (Metro-)Station&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Bahnhof (Eisenbahn)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Strassenbahn- (TRAM-) Haltestelle&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="11"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Verkaufsstelle&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="16"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Gebiet(auch fuer Zone)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="17"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Korridor&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="200"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Haltestelle allgemein fuer Haltestellen im Fahrplansinne, unabhaengig vom Verkehrsmittel&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="201"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Massenpersonalisierer&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="202"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;areaList_ID&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="203"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;im Fahrzeug/Zug&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="204"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;TouchPoint&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="205"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;im Fahrzeug der Linie&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                        |              |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;/xs:enumeration&gt; &lt;xs:enumeration value="206"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;im Fahrzeug der Zugnummer&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="207"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Teilzone&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="208"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;neutrale Zone&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="209"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Wabe&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="210"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Grosswabe&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="211"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Tarifpunkt&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="212"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Backoffice&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="251"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Ortsteil&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="252"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Gemeinde&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="253"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Kreis&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="254"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Land&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="255"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;keine Angabe&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Simple Type tns:AuftragsTyp\_CODE

|                |                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                                              |
| Annotations    | Der Code des Auftrages als Aufzaehlung.                                                                          |
| Diagram        |                                                                                                                  |
| Type           | tns:INT1                                                                                                         |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:AuftragsTyp_CODE</li> </ul> |

|                 |                                                                                                                                                                                                                                                                                                                        |                                     |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                           | 255                                 |
|                 | minInclusive                                                                                                                                                                                                                                                                                                           | 0                                   |
| Used by         | Element                                                                                                                                                                                                                                                                                                                | tns:TXAS_Type/transSendeAuftragstyp |
| Source          | <pre>&lt;xs:simpleType name="AuftragsTyp_CODE"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der Code des Auftrages als Aufzaehlung.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;!-- TODO: bitte als Aufzaehlung!!! --&gt;   &lt;xs:restriction base="ct:INT1"/&gt; &lt;/xs:simpleType&gt;</pre> |                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                           |                                     |

## Simple Type tns:Abrechnungsverfahren\_CODE\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |
| Annotations     | Der Abrechnungsverfahren_CODE klassifiziert das Verfahren der Fahrpreisabrechnung.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |
| Diagram         | <pre> classDiagram     class Abrechnungsverfahren_CODE_Type     class ct_INT1["ct:INT1"]     Abrechnungsverfahren_CODE_Type -- &gt; ct_INT1   </pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |
| Type            | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                          |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:Abrechnungsverfahren_CODE_Type</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 255                                      |
|                 | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                                        |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0 Keine Angabe                           |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 Pre-Paid                               |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 Post-Paid                              |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 Trip-Paid                              |
| Used by         | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | tns:TX_BER_Type/prodAbrechnungsverfahren |
| Source          | <pre>&lt;xs:simpleType name="Abrechnungsverfahren_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der Abrechnungsverfahren_CODE klassifiziert das Verfahren der     Fahrpreisabrechnung.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Keine Angabe&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Pre-Paid&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Post-Paid&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Trip-Paid&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |

## Simple Type tns:Bezahlart\_CODE\_Type

|           |                     |
|-----------|---------------------|
| Namespace | http://vdv/ka/ion/1 |
|-----------|---------------------|

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|--------------|-----|--|--------------|---|--|-------------|---|--------------|-------------|---|-----|-------------|---|-------------|-------------|---|---------|-------------|---|----------------------|-------------|---|---------------|-------------|----|---------|-------------|----|-----------|-------------|----|------------|-------------|----|----------|
| Annotations    | Der BezahlArt_CODE klassifiziert Arten der Bezahlung (von Wertobjekten der Kernapplikation).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| Type           | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| Type hierarchy | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT1<ul style="list-style-type: none"><li>• tns:Bezahlart_CODE_Type</li></ul></li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| Facets         | <table><tr><td>maxInclusive</td><td>255</td><td></td></tr><tr><td>minInclusive</td><td>0</td><td></td></tr><tr><td>enumeration</td><td>0</td><td>Keine Angabe</td></tr><tr><td>enumeration</td><td>1</td><td>Bar</td></tr><tr><td>enumeration</td><td>3</td><td>Kreditkarte</td></tr><tr><td>enumeration</td><td>5</td><td>POB/PEB</td></tr><tr><td>enumeration</td><td>6</td><td>EC-Karte/Lastschrift</td></tr><tr><td>enumeration</td><td>8</td><td>Werteinheiten</td></tr><tr><td>enumeration</td><td>17</td><td>ec-Cash</td></tr><tr><td>enumeration</td><td>24</td><td>Geldkarte</td></tr><tr><td>enumeration</td><td>25</td><td>Mastercard</td></tr><tr><td>enumeration</td><td>26</td><td>Visacard</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |  | maxInclusive | 255 |  | minInclusive | 0 |  | enumeration | 0 | Keine Angabe | enumeration | 1 | Bar | enumeration | 3 | Kreditkarte | enumeration | 5 | POB/PEB | enumeration | 6 | EC-Karte/Lastschrift | enumeration | 8 | Werteinheiten | enumeration | 17 | ec-Cash | enumeration | 24 | Geldkarte | enumeration | 25 | Mastercard | enumeration | 26 | Visacard |
| maxInclusive   | 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| minInclusive   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Keine Angabe                 |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Bar                          |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Kreditkarte                  |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | POB/PEB                      |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EC-Karte/Lastschrift         |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Werteinheiten                |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ec-Cash                      |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Geldkarte                    |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Mastercard                   |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| enumeration    | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Visacard                     |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| Used by        | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | tns:TX_BER_Type/berBezahlArt |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |
| Source         | <pre>&lt;xs:simpleType name="Bezahlart_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der BezahlArt_CODE klassifiziert Arten der Bezahlung (von Wertobjekten der Kernapplikation).&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Keine Angabe&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Bar&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Kreditkarte&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="5"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;POB/PEB&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="6"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;EC-Karte/Lastschrift&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="8"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Werteinheiten&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="17"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;ec-Cash&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="24"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Geldkarte&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |                              |  |              |     |  |              |   |  |             |   |              |             |   |     |             |   |             |             |   |         |             |   |                      |             |   |               |             |    |         |             |    |           |             |    |            |             |    |          |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:enumeration value="25"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Mastercard&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="26"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Visacard&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                    |

## Simple Type tns:TerminalTyp\_CODE\_Type

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                  |                                                                   |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------|
| Namespace      | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                                                   |
| Annotations    | Der TerminalTyp_CODE klassifiziert Terminals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                   |
| Diagram        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                                                                   |
| Type           | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                  |                                                                   |
| Type hierarchy | <ul style="list-style-type: none"><li>• xs:unsignedInt<ul style="list-style-type: none"><li>• tns:INT1<ul style="list-style-type: none"><li>• tns:TerminalTyp_CODE_Type</li></ul></li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |                                                                   |
| Facets         | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 255                              |                                                                   |
|                | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                |                                                                   |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                | Keine Angabe                                                      |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                                | Erfassungsterminal fuer (CICO/BIBO)                               |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                                | Verkaufsautomat(z. B. Berechtigungen)                             |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                                | Kontrollterminal (mobil, personalbedient)                         |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                                | Kartenausgabeterminale                                            |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                                | Kartenrueckgabeterminale                                          |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                                | Einstiegskontrollgeraet/Entwerter                                 |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                                | Multifunktionsterminal                                            |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                                | Informationsterminal                                              |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9                                | Ladeterminale fuer OePV-Werteinheiten                             |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 13                               | Terminal beim Massenpersonalisierer                               |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 14                               | Terminal in Vertriebs- oder Servicestellestelle (personalbedient) |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15                               | Fahrerterminal (Verkauf und Kontrolle)                            |
|                | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16                               | HandyTicketserver                                                 |
| Used by        | Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | tns:Terminal_ID_Type/terminalTyp |                                                                   |
| Source         | <pre>&lt;xs:simpleType name="TerminalTyp_CODE_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Der TerminalTyp_CODE klassifiziert Terminals.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;xs:enumeration value="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Keine Angabe&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Erfassungsterminal fuer (CICO/BIBO)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Verkaufsautomat(z. B. Berechtigungen)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;</pre> |                                  |                                                                   |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre> &lt;xs:annotation&gt;   &lt;xs:documentation&gt;Kontrollterminal (mobil, personalbedient)&lt;/xs:documentation&gt; &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="4"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Kartenausgabeterminal&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="5"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Kartenrueckgabeterminal&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="6"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Einstiegskontrollgeraet/Entwerter&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="7"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Multifunktionsterminal&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="8"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Informationsterminal&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="9"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Ladeterminal fuer OePV-Werteinheiten&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="13"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Terminal beim Massenpersonalisierer&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="14"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Terminal in Vertriebs- oder Servicestelle (personalbedient)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="15"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Fahrerterminal (Verkauf und Kontrolle)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;xs:enumeration value="16"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;HandyTicketserver&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Simple Type tns:SAM\_ID\_Type

|                |                                                                                                                                                                                         |              |          |              |   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|--------------|---|
| Namespace      | http://vdv/ka/ion/1                                                                                                                                                                     |              |          |              |   |
| Annotations    | Type: Eindeutiger Identifizierer eines Secure Application Module (SAM)                                                                                                                  |              |          |              |   |
| Diagram        | <pre> classDiagram     class tns_SAM_ID_Type["tns:SAM_ID_Type"]     class ct_ReferenceNumberThree["ct:ReferenceNumberThree"]     tns_SAM_ID_Type -- &gt; ct_ReferenceNumberThree </pre> |              |          |              |   |
| Type           | tns:ReferenceNumberThree                                                                                                                                                                |              |          |              |   |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT3</li> <li>tns:ReferenceNumberThree</li> <li>tns:SAM_ID_Type</li> </ul>                                           |              |          |              |   |
| Facets         | <table> <tr> <td>maxInclusive</td><td>16777215</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                             | maxInclusive | 16777215 | minInclusive | 0 |
| maxInclusive   | 16777215                                                                                                                                                                                |              |          |              |   |
| minInclusive   | 0                                                                                                                                                                                       |              |          |              |   |

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|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source          | <pre>&lt;xs:simpleType name="SAM_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Type: Eindeutiger Identifizierer eines Secure Application Module (SAM)&lt;/   &lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:ReferenceNumberThree"/&gt; &lt;/xs:simpleType&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                             |

## Simple Type tns:Mitteilung\_CODE\_Type

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

## Simple Type tns:TransSignatur\_Type

|                 |                                                                                                                                                                                                                                                                                                                                                                            |        |     |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|
| Namespace       | http://vdv/ka/ion/1                                                                                                                                                                                                                                                                                                                                                        |        |     |
| Annotations     | Typ fuer die Signatur auf der Transaktion (altes Verfahren)                                                                                                                                                                                                                                                                                                                |        |     |
| Diagram         |                                                                                                                                                                                                                                                                                         |        |     |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                                                                                                |        |     |
| Facets          | <table> <tr><td>length</td><td>128</td></tr> </table>                                                                                                                                                                                                                                                                                                                      | length | 128 |
| length          | 128                                                                                                                                                                                                                                                                                                                                                                        |        |     |
| Used by         | Elements tns:ION_TX_HEADER_Type/transSignatur, tns:TX_RET_Type/transOrigSignatur                                                                                                                                                                                                                                                                                           |        |     |
| Source          | <pre>&lt;xs:simpleType name="TransSignatur_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Typ fuer die Signatur auf der Transaktion (altes Verfahren)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="xs:hexBinary"&gt;     &lt;xs:length value="128" fixed="true"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |        |     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                               |        |     |

## Simple Type tns:CommonServiceResultCode

|             |                                                                                                                                                                           |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | http://vdv/ka/ion/1                                                                                                                                                       |
| Annotations | Dienstuebergreifende Ergebniscodes. In BOM Ablehnungstyp_Code bis auf Fall "0". Dieser Typ ist nicht direkt eingebunden und dient der Vollstaendigkeit der Schnittstelle. |
| Diagram     |                                                                                        |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |                                                                                                   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------|
| Type            | restriction of tns:INT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT1<ul style="list-style-type: none"><li>tns:CommonServiceResultCode</li></ul></li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                                                                                                   |
| Facets          | maxInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 255 |                                                                                                   |
|                 | minInclusive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0   |                                                                                                   |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2   | Daten des SOAP Headers stimmen nicht mit den Transaktionsdaten der fachlichen Nachricht ueberein. |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3   | Falsche Senderrolle                                                                               |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4   | Organisations-ID des Senders ist im KOSSES unbekannt                                              |
|                 | enumeration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5   | Die Organisation wurde durch den AH gesperrt                                                      |
| Source          | <pre>&lt;xs:simpleType name="CommonServiceResultCode"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Dienstuebergreifende Ergebniscodes. In BOM Ablehnungstyp_Code bis auf Fall "0". Dieser Typ ist nicht direkt eingebunden und dient der Vollstaendigkeit der Schnittstelle.&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:restriction base="ct:INT1"&gt;     &lt;!-- &lt;xs:enumeration value="0"&gt; &lt;xs:annotation&gt; &lt;xs:documentation&gt;Erfolgreich&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt; &lt;/xs:enumeration&gt; --&gt;     &lt;xs:enumeration value="2"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Daten des SOAP Headers stimmen nicht mit den Transaktionsdaten der fachlichen Nachricht ueberein.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="3"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Falsche Senderrolle&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="4"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Organisations-ID des Senders ist im KOSSES unbekannt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;     &lt;xs:enumeration value="5"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Die Organisation wurde durch den AH gesperrt&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:enumeration&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre> |     |                                                                                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |                                                                                                   |

Namespace: ""

Element(s)

Element tns:Nutzermedium\_Type / nmMedium\_ID.nutzermediumNummer

|             |                                                                                                                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                                                                                                                                                                                         |
| Annotations | Aufgedruckte Mediennummer z.B. PAN nach ISO 7812                                                                                                                                                                                                     |
| Diagram     | <pre> classDiagram     class nmMedium_ID_nutzermediumNummer {         Type: ct:OctetString10     }     nmMedium_ID_nutzermediumNummer --&gt; ct:OctetString10 </pre>                                                                                 |
| Type        | tns:OctetString10                                                                                                                                                                                                                                    |
| Properties  | content: simple                                                                                                                                                                                                                                      |
| Facets      | length 10                                                                                                                                                                                                                                            |
| Source      | <pre> &lt;xs:element name="nmMedium_ID.nutzermediumNummer" type="ct:OctetString10"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Aufgedruckte Mediennummer z.B. PAN nach ISO 7812&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; </pre> |

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
|                 | </xs:element>                                                                                                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd |

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

|                 |                                                                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                            |
| Annotations     | ID der Applikation                                                                                                                                                                                                                      |
| Diagram         |                                                                                                                                                                                                                                         |
| Type            | tns:NmApplikationInstanz_ID_Type                                                                                                                                                                                                        |
| Properties      | content: complex                                                                                                                                                                                                                        |
| Model           | NmAppInstanznummer , kvp_ID                                                                                                                                                                                                             |
| Children        | NmAppInstanznummer, kvp_ID                                                                                                                                                                                                              |
| Instance        | <pre>&lt;appInstanz_ID&gt;   &lt;NmAppInstanznummer&gt;{1,1}&lt;/NmAppInstanznummer&gt;   &lt;kvp_ID&gt;{1,1}&lt;/kvp_ID&gt; &lt;/appInstanz_ID&gt;</pre>                                                                               |
| Source          | <pre>&lt;xs:element name="appInstanz_ID" type="ion:NmApplikationInstanz_ID_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;ID der Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                        |

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

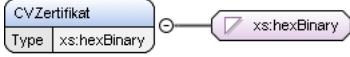
|                 |                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace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

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

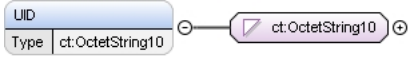
|                |                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|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

|                 |                                                                                                              |       |
|-----------------|--------------------------------------------------------------------------------------------------------------|-------|
| Facets          | maxInclusive                                                                                                 | 65535 |
|                 | minInclusive                                                                                                 | 0     |
| Source          | <xs:element name="kvp_ID" type="ka:Organisation_ID"/>                                                        |       |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |       |

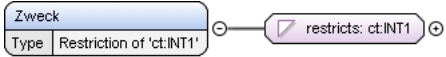
## Element tns:Nutzermedium\_Type / CVZertifikat

|                 |                                                                                                                                                                                                                                                                                                  |        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                     |        |
| Annotations     | CV-Zertifikat ueber den oeffentlichen Teil des Authentisierungsschluessels des Nutzermediums                                                                                                                                                                                                     |        |
| Diagram         |                                                                                                                                                                                                                 |        |
| Type            | xs:hexBinary                                                                                                                                                                                                                                                                                     |        |
| Properties      | content:                                                                                                                                                                                                                                                                                         | simple |
| Source          | <pre>&lt;xs:element name="CVZertifikat" type="xs:hexBinary"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;CV-Zertifikat ueber den oeffentlichen Teil des Authentisierungsschluessels des     Nutzermediums&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                 |        |

## Element tns:Nutzermedium\_Type / UID

|                 |                                                                                                                                                                                                                                          |        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace       | No namespace                                                                                                                                                                                                                             |        |
| Annotations     | 10 Byte Unique Identifier (UID)                                                                                                                                                                                                          |        |
| Diagram         |                                                                                                                                                       |        |
| Type            | tns:OctetString10                                                                                                                                                                                                                        |        |
| Properties      | content:                                                                                                                                                                                                                                 | simple |
|                 | minOccurs:                                                                                                                                                                                                                               | 0      |
| Facets          | length                                                                                                                                                                                                                                   | 10     |
| Source          | <pre>&lt;xs:element name="UID" type="ct:OctetString10" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;10 Byte Unique Identifier (UID)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                         |        |

## Element tns:Header\_Type / Zweck

|                |                                                                                     |                                                                                   |
|----------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Namespace      | No namespace                                                                        |                                                                                   |
| Diagram        |  |                                                                                   |
| Type           | restriction of tns:INT1                                                             |                                                                                   |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> </ul>  |                                                                                   |
| Properties     | content:                                                                            | simple                                                                            |
| Facets         | maxInclusive                                                                        | 255                                                                               |
|                | minInclusive                                                                        | 0                                                                                 |
|                | enumeration                                                                         | 1<br>Zweck der Lieferliste: 1 = Lieferung von Nutzermedien                        |
|                | enumeration                                                                         | 2<br>Zweck der Lieferliste: 2 = Nicht ausgelieferte Nutzermedien bzw. Zertifikate |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source          | <pre> &lt;xs:element name="Zweck"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="ct:INT1"&gt;       &lt;xs:enumeration value="1"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Zweck der Lieferliste: 1 = Lieferung von Nutzermedien&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:enumeration&gt;       &lt;xs:enumeration value="2"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Zweck der Lieferliste: 2 = Nicht ausgelieferte Nutzermedien bzw. Zertifikate&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:enumeration&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Element tns:Header\_Type / nmKVP\_ID

|                 |                                                                                                                                                                                                                                                                                        |              |       |              |   |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------|--------------|---|
| Namespace       | No namespace                                                                                                                                                                                                                                                                           |              |       |              |   |
| Annotations     | Org_ID des nmAusgebers (=Besteller) ist identisch mit der des Applikationausgebers                                                                                                                                                                                                     |              |       |              |   |
| Diagram         | <pre> graph LR     nmKVP_ID[nmKVP_ID<br/>Type ka:Organisation_ID] --- ka_Org_ID[ka:Organisation_ID] </pre>                                                                                                                                                                             |              |       |              |   |
| Type            | tns:Organisation_ID                                                                                                                                                                                                                                                                    |              |       |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT2</li> <li>tns:ReferenceNumberTwo</li> <li>tns:Organisation_ID</li> </ul>                                                                                                                                        |              |       |              |   |
| Properties      | content: simple                                                                                                                                                                                                                                                                        |              |       |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>65535</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                               | maxInclusive | 65535 | minInclusive | 0 |
| maxInclusive    | 65535                                                                                                                                                                                                                                                                                  |              |       |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                      |              |       |              |   |
| Source          | <pre> &lt;xs:element name="nmKVP_ID" type="ka:Organisation_ID"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Org_ID des nmAusgebers (=Besteller) ist identisch mit der des Applikationausgebers&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre> |              |       |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                       |              |       |              |   |

## Element tns:Header\_Type / AppInstanzNummerStart

|                |                                                                                                                                                                                                                                                             |              |            |              |   |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace      | No namespace                                                                                                                                                                                                                                                |              |            |              |   |
| Annotations    | Niedrigste verwendete Appinstanznummer                                                                                                                                                                                                                      |              |            |              |   |
| Diagram        | <pre> graph LR     AppInstanzNummerStart[AppInstanzNummerStart<br/>Type ct:ReferenceNumberFour] --- ct_RefNumFour[ct:ReferenceNumberFour] </pre>                                                                                                            |              |            |              |   |
| Type           | tns:ReferenceNumberFour                                                                                                                                                                                                                                     |              |            |              |   |
| Type hierarchy | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:ReferenceNumberFour</li> </ul>                                                                                                                                         |              |            |              |   |
| Properties     | content: simple                                                                                                                                                                                                                                             |              |            |              |   |
| Facets         | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                               | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive   | 4294967295                                                                                                                                                                                                                                                  |              |            |              |   |
| minInclusive   | 0                                                                                                                                                                                                                                                           |              |            |              |   |
| Source         | <pre> &lt;xs:element name="AppInstanzNummerStart" type="ct:ReferenceNumberFour"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Niedrigste verwendete Appinstanznummer&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre> |              |            |              |   |

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
|                 | <pre>&lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd |

### Element tns:Header\_Type / AppInstanzNummerEnde

|                 |                                                                                                                                                                                                                                                       |              |            |              |   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace       | No namespace                                                                                                                                                                                                                                          |              |            |              |   |
| Annotations     | Hoehste verwendete Appinstanznummer                                                                                                                                                                                                                   |              |            |              |   |
| Diagram         |                                                                                                                                                                                                                                                       |              |            |              |   |
| Type            | tns:ReferenceNumberFour                                                                                                                                                                                                                               |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:ReferenceNumberFour</li> </ul>                                                                                                                                   |              |            |              |   |
| Properties      | content: simple                                                                                                                                                                                                                                       |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                         | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                                                                                                                                                            |              |            |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                     |              |            |              |   |
| Source          | <pre>&lt;xs:element name="AppInstanzNummerEnde" type="ct:ReferenceNumberFour"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Hoehste verwendete Appinstanznummer&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                      |              |            |              |   |

### Element tns:Header\_Type / AppAnzahl

|                 |                                                                                                                                                                                                                                                            |              |            |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace       | No namespace                                                                                                                                                                                                                                               |              |            |              |   |
| Annotations     | Anzahl der Applikationen/Nutzermedien pro Lieferung                                                                                                                                                                                                        |              |            |              |   |
| Diagram         |                                                                                                                                                                                                                                                            |              |            |              |   |
| Type            | tns:ReferenceNumberFour                                                                                                                                                                                                                                    |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:ReferenceNumberFour</li> </ul>                                                                                                                                        |              |            |              |   |
| Properties      | content: simple                                                                                                                                                                                                                                            |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                              | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                                                                                                                                                                 |              |            |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                          |              |            |              |   |
| Source          | <pre>&lt;xs:element name="AppAnzahl" type="ct:ReferenceNumberFour"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Anzahl der Applikationen/Nutzermedien pro Lieferung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                           |              |            |              |   |

### Element tns:Header\_Type / Layout

|             |                                      |
|-------------|--------------------------------------|
| Namespace   | No namespace                         |
| Annotations | Layoutbezeichnung fuer die Lieferung |
| Diagram     |                                      |
| Type        | xs:string                            |
| Properties  | content: simple                      |

|                 |                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source          | <pre>&lt;xs:element name="Layout" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Layoutbezeichnung fuer die Lieferung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                            |

### Element tns:Header\_Type / nmGueltigkeitsbeginn

|                 |                                                                                                                                                                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                 |
| Annotations     | Gueltigkeitsbeginn des Mediums, NICHT der Applikation                                                                                                                                                                                                        |
| Diagram         | <pre> graph LR     nmGueltigkeitsbeginn[nmGueltigkeitsbeginn] --- Type  ctDateTime[ct:DateTime]   </pre>                                                                                                                                                     |
| Type            | tns:DateTime                                                                                                                                                                                                                                                 |
| Properties      | content: simple                                                                                                                                                                                                                                              |
| Source          | <pre>&lt;xs:element name="nmGueltigkeitsbeginn" type="ct:DateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Gueltigkeitsbeginn des Mediums, NICHT der Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                             |

### Element tns:Header\_Type / nmGueltigkeitsende

|                 |                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                             |
| Annotations     | Gueltigkeitsende des Mediums, NICHT der Applikation                                                                                                                                                                                                      |
| Diagram         | <pre> graph LR     nmGueltigkeitsende[nmGueltigkeitsende] --- Type  ctDateTime[ct:DateTime]   </pre>                                                                                                                                                     |
| Type            | tns:DateTime                                                                                                                                                                                                                                             |
| Properties      | content: simple                                                                                                                                                                                                                                          |
| Source          | <pre>&lt;xs:element name="nmGueltigkeitsende" type="ct:DateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Gueltigkeitsende des Mediums, NICHT der Applikation&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                         |

### Element tns:Header\_Type / Kartentyp

|                 |                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                    |
| Annotations     | Kartentyp der Lieferung                                                                                                                                                                                                         |
| Diagram         | <pre> graph LR     Kartentyp[Kartentyp] --- Type  xsString[xs:string]   </pre>                                                                                                                                                  |
| Type            | xs:string                                                                                                                                                                                                                       |
| Properties      | content: simple<br>minOccurs: 0                                                                                                                                                                                                 |
| Source          | <pre>&lt;xs:element name="Kartentyp" type="xs:string" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Kartentyp der Lieferung&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                |

### Element tns:nmVerpackungseinheit\_Type / Verpackungseinheitbezeichnung

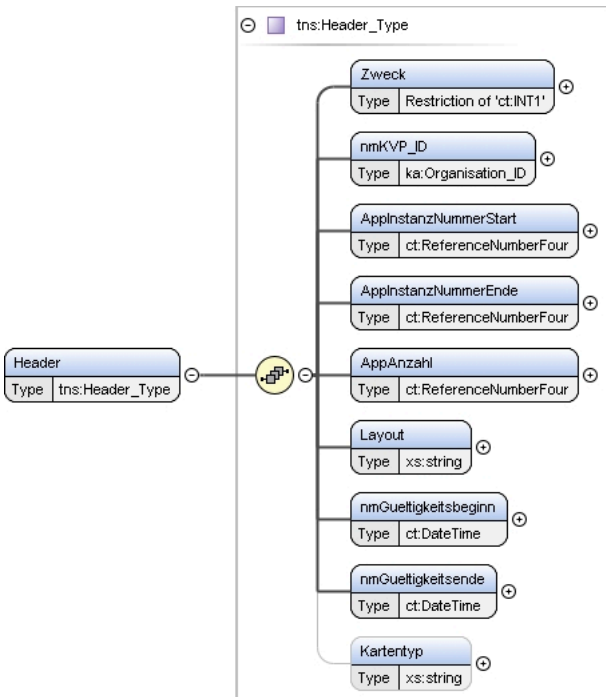
|           |              |
|-----------|--------------|
| Namespace | No namespace |
|-----------|--------------|

|                 |                                                                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Annotations     | In diesem Datenelement wird die Verpackungseinheit bezeichnet                                                                                                                                                                                                               |
| Diagram         |                                                                                                                                                                                            |
| Type            | xs:string                                                                                                                                                                                                                                                                   |
| Properties      | content: simple                                                                                                                                                                                                                                                             |
| Source          | <pre>&lt;xs:element name="Verpackungseinheitbezeichnung" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;In diesem Datenelement wird die Verpackungseinheit bezeichnet&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                            |

## Element tns:nmVerpackungseinheit\_Type / Verpackungseinheit\_ID

|                 |                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                              |
| Annotations     | In diesem Datenelement kann zusätzlich eine ID der Verpackungseinheit angegeben werden (optional)                                                                                                                                                                                                                         |
| Diagram         |                                                                                                                                                                                                                                          |
| Type            | xs:string                                                                                                                                                                                                                                                                                                                 |
| Properties      | content: simple<br>minOccurs: 0                                                                                                                                                                                                                                                                                           |
| Source          | <pre>&lt;xs:element name="Verpackungseinheit_ID" type="xs:string" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;In diesem Datenelement kann zusätzlich eine ID der Verpackungseinheit     angegeben werden (optional)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                          |

## Element tns:nmVerpackungseinheit\_Type / Header

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:Header_Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Properties      | content: complex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Model           | Zweck , nmKVP_ID , AppInstanzNummerStart , AppInstanzNummerEnde , AppAnzahl , Layout , nmGueltigkeitsbeginn , nmGueltigkeitsende , Kartentyp{0,1}                                                                                                                                                                                                                                                                                                                                                                    |
| Children        | AppAnzahl, AppInstanzNummerEnde, AppInstanzNummerStart, Kartentyp, Layout, Zweck, nmGueltigkeitsbeginn, nmGueltigkeitsende, nmKVP_ID                                                                                                                                                                                                                                                                                                                                                                                 |
| Instance        | <pre> &lt;Header&gt;   &lt;Zweck&gt;{1,1}&lt;/Zweck&gt;   &lt;nmKVP_ID&gt;{1,1}&lt;/nmKVP_ID&gt;   &lt;AppInstanzNummerStart&gt;{1,1}&lt;/AppInstanzNummerStart&gt;   &lt;AppInstanzNummerEnde&gt;{1,1}&lt;/AppInstanzNummerEnde&gt;   &lt;AppAnzahl&gt;{1,1}&lt;/AppAnzahl&gt;   &lt;Layout&gt;{1,1}&lt;/Layout&gt;   &lt;nmGueltigkeitsbeginn&gt;{1,1}&lt;/nmGueltigkeitsbeginn&gt;   &lt;nmGueltigkeitsende&gt;{1,1}&lt;/nmGueltigkeitsende&gt;   &lt;Kartentyp&gt;{0,1}&lt;/Kartentyp&gt; &lt;/Header&gt; </pre> |
| Source          | <xs:element name="Header" type="tns:Header_Type"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                                                                                                                                                                                                                     |

## Element tns:nmVerpackungseinheit\_Type / Nutzermedium

|                 |                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                    |
| Diagram         |                                                                                                                                                                                                                                                                                 |
| Type            | tns:Nutzermedium_Type                                                                                                                                                                                                                                                           |
| Properties      | content: complex<br>maxOccurs: unbounded                                                                                                                                                                                                                                        |
| Model           | nmMedium_ID.nutzermediumNummer , appInstanz_ID , CVZertifikat , UID{0,1}                                                                                                                                                                                                        |
| Children        | CVZertifikat, UID, appInstanz_ID, nmMedium_ID.nutzermediumNummer                                                                                                                                                                                                                |
| Instance        | <pre> &lt;Nutzermedium&gt;   &lt;nmMedium_ID.nutzermediumNummer&gt;{1,1}&lt;/nmMedium_ID.nutzermediumNummer&gt;   &lt;appInstanz_ID&gt;{1,1}&lt;/appInstanz_ID&gt;   &lt;CVZertifikat&gt;{1,1}&lt;/CVZertifikat&gt;   &lt;UID&gt;{0,1}&lt;/UID&gt; &lt;/Nutzermedium&gt; </pre> |
| Source          | <xs:element name="Nutzermedium" type="tns:Nutzermedium_Type" maxOccurs="unbounded"/>                                                                                                                                                                                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                |

## Element tns:nmLieferung\_Type / nmVerpackungseinheit

|             |                                                                           |
|-------------|---------------------------------------------------------------------------|
| Namespace   | No namespace                                                              |
| Annotations | Bei Zweck der Lieferliste = 2 ist nur eine "Verpackungseinheit" vorhanden |

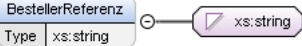
|                 |                                                                                                                                                                                                                                                                                                                           |          |         |            |           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|------------|-----------|
| Diagram         |                                                                                                                                                                                                                                                                                                                           |          |         |            |           |
| Type            | tns:nmVerpackungseinheit_Type                                                                                                                                                                                                                                                                                             |          |         |            |           |
| Properties      | <table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>                                                                                                                                                                                                              | content: | complex | maxOccurs: | unbounded |
| content:        | complex                                                                                                                                                                                                                                                                                                                   |          |         |            |           |
| maxOccurs:      | unbounded                                                                                                                                                                                                                                                                                                                 |          |         |            |           |
| Model           | Verpackungseinheitbezeichnung , Verpackungseinheit_ID{0,1} , Header , Nutzermedium+                                                                                                                                                                                                                                       |          |         |            |           |
| Children        | Header, Nutzermedium, Verpackungseinheit_ID, Verpackungseinheitbezeichnung                                                                                                                                                                                                                                                |          |         |            |           |
| Instance        | <pre>&lt;nmVerpackungseinheit&gt;   &lt;Verpackungseinheitbezeichnung&gt;{1,1}&lt;/Verpackungseinheitbezeichnung&gt;   &lt;Verpackungseinheit_ID&gt;{0,1}&lt;/Verpackungseinheit_ID&gt;   &lt;Header&gt;{1,1}&lt;/Header&gt;   &lt;Nutzermedium&gt;{1,unbounded}&lt;/Nutzermedium&gt; &lt;/nmVerpackungseinheit&gt;</pre> |          |         |            |           |
| Source          | <pre>&lt;xs:element name="nmVerpackungseinheit" type="tns:nmVerpackungseinheit_Type" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Bei Zweck der Lieferliste = 2 ist nur eine "Verpackungseinheit" vorhanden&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>  |          |         |            |           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                          |          |         |            |           |

## Element tns:nmLieferung\_Type / Bestellposition

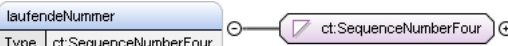
|                 |                                                                                                                                                                                                                                                                                                                  |              |            |              |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|--------------|---|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                     |              |            |              |   |
| Annotations     | In diesem Datenelement kann Bezug auf eine Bestellposition genommen werden (optional)                                                                                                                                                                                                                            |              |            |              |   |
| Diagram         |                                                                                                                                                                                                                                                                                                                  |              |            |              |   |
| Type            | tns:ReferenceNumberFour                                                                                                                                                                                                                                                                                          |              |            |              |   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:ReferenceNumberFour</li> </ul>                                                                                                                                                                                              |              |            |              |   |
| Properties      | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>                                                                                                                                                                                                              | content:     | simple     | minOccurs:   | 0 |
| content:        | simple                                                                                                                                                                                                                                                                                                           |              |            |              |   |
| minOccurs:      | 0                                                                                                                                                                                                                                                                                                                |              |            |              |   |
| Facets          | <table> <tr> <td>maxInclusive</td><td>4294967295</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                    | maxInclusive | 4294967295 | minInclusive | 0 |
| maxInclusive    | 4294967295                                                                                                                                                                                                                                                                                                       |              |            |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                |              |            |              |   |
| Source          | <pre>&lt;xs:element name="Bestellposition" type="ct:ReferenceNumberFour" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;In diesem Datenelement kann Bezug auf eine Bestellposition genommen werden (optional)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |              |            |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                 |              |            |              |   |

## Element tns:nmLieferliste\_Type / BestellerReferenz

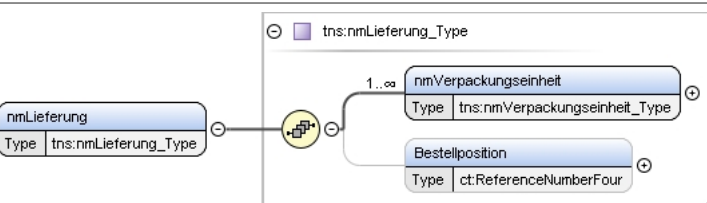
|             |                                                                                    |
|-------------|------------------------------------------------------------------------------------|
| Namespace   | No namespace                                                                       |
| Annotations | In diesem Datenelement kann ein Bezug zur Bestellung z. B. die Auftragsbezeichnung |

|                 |                                                                                                                                                                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | angegeben werden (optional)                                                                                                                                                                                                                                                                                                        |
| Diagram         |                                                                                                                                                                                                                                                   |
| Type            | xs:string                                                                                                                                                                                                                                                                                                                          |
| Properties      | content: simple<br>minOccurs: 0                                                                                                                                                                                                                                                                                                    |
| Source          | <pre>&lt;xs:element name="BestellerReferenz" type="xs:string" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;In diesem Datenelement kann ein Bezug zur Bestellung z. B. die     Auftragsbezeichnung angegeben werden (optional)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                                   |

## Element tns:nmLieferliste\_Type / laufendeNummer

|                 |                                                                                                                                                                                                                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                                                                                                                                                         |
| Annotations     | In diesem Datenelement koennen eventuell erforderliche Teillieferungen gekennzeichnet werden (optional)                                                                                                                                                                                                                              |
| Diagram         |                                                                                                                                                                                                                                                     |
| Type            | tns:SequenceNumberFour                                                                                                                                                                                                                                                                                                               |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT4</li> <li>tns:SequenceNumberFour</li> </ul>                                                                                                                                                                                                                   |
| Properties      | content: simple<br>minOccurs: 0                                                                                                                                                                                                                                                                                                      |
| Facets          | maxInclusive 4294967295<br>minInclusive 0                                                                                                                                                                                                                                                                                            |
| Source          | <pre>&lt;xs:element name="laufendeNummer" type="ct:SequenceNumberFour" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;In diesem Datenelement koennen eventuell erforderliche Teillieferungen     gekennzeichnet werden (optional)&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd                                                                                                                                                                                                     |

## Element tns:nmLieferliste\_Type / nmLieferung

|            |                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                                                                                                    |
| Diagram    |                                                                             |
| Type       | tns:nmLieferung_Type                                                                                                                                            |
| Properties | content: complex<br>maxOccurs: unbounded                                                                                                                        |
| Model      | nmVerpackungseinheit+, Bestellposition{0,1}                                                                                                                     |
| Children   | Bestellposition, nmVerpackungseinheit                                                                                                                           |
| Instance   | <pre>&lt;nmLieferung&gt;   &lt;nmVerpackungseinheit&gt;{1, unbounded}&lt;/nmVerpackungseinheit&gt;   &lt;Bestellposition&gt;{0,1}&lt;/Bestellposition&gt;</pre> |

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;/nmLieferung&gt;</code>                                                                                                |
| Source          | <code>&lt;xs:element name="nmLieferung" type="tns:nmLieferung_Type" maxOccurs="unbounded"/&gt;</code>                            |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/nmlieferliste/1/XML-Schema_NMLieferliste.xsd |

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

|                 |                                                                                                                       |        |                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                          |        |                                                                                                                                                                   |
| Diagram         |                                                                                                                       |        |                                                                                                                                                                   |
| Type            | tns:StatusCode                                                                                                        |        |                                                                                                                                                                   |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:StatusCode</li> </ul>            |        |                                                                                                                                                                   |
| Properties      | content:                                                                                                              | simple |                                                                                                                                                                   |
| Facets          | maxInclusive                                                                                                          | 255    |                                                                                                                                                                   |
|                 | minInclusive                                                                                                          | 0      |                                                                                                                                                                   |
|                 | enumeration                                                                                                           | 0      | Die Nachricht wurde erfolgreich entgegengenommen und alle notwendigen Informationen zur Weiterleitung liegen vor.                                                 |
|                 | enumeration                                                                                                           | 1      | Ungueltige Nachricht. Die Sender ID oder die Routing Information kann nicht aus dem SOAP Header extrahiert werden.                                                |
|                 | enumeration                                                                                                           | 2      | Ungleiche Sender ID. Die Sender ID, die im SOAP Header uebertragen wurde passt nicht zu der Sender ID, die in der VM zum Zertifikat des Senders hinterlegt wurde. |
|                 | enumeration                                                                                                           | 3      | Unbekannter Empfaenger. 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                                                                                                           | 255    | Technisches Problem. Es liegt ein technisches Problem vor. Die Nachricht konnte nicht erfolgreich entgegengenommen werden.                                        |
| Source          | <code>&lt;xs:element name="StatusCode" type="tns:StatusCode"/&gt;</code>                                              |        |                                                                                                                                                                   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/1/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>&lt;xs:element name="StatusText" type="tns:StatusText"/&gt;</code>                                              |        |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/common/1/XML-Schema_KA_Common.xsd |        |  |

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

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

|                 |                                                                                                              |        |                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------|
| Type            | tns:OrtsTyp_CODE_Type                                                                                        |        |                                                                                                |
| Properties      | content:                                                                                                     | simple |                                                                                                |
| Facets          | enumeration                                                                                                  | 0      | Bushaltestelle                                                                                 |
|                 | enumeration                                                                                                  | 1      | U-Bahn- (Metro-)Station                                                                        |
|                 | enumeration                                                                                                  | 2      | Bahnhof (Eisenbahn)                                                                            |
|                 | enumeration                                                                                                  | 3      | Strassenbahn- (TRAM-) Haltestelle                                                              |
|                 | enumeration                                                                                                  | 11     | Verkaufsstelle                                                                                 |
|                 | enumeration                                                                                                  | 16     | Gebiet(auch fuer Zone)                                                                         |
|                 | enumeration                                                                                                  | 17     | Korridor                                                                                       |
|                 | enumeration                                                                                                  | 200    | Haltestelle allgemein<br>fuer Haltestellen im Fahrplansinne,<br>unabhaengig vom Verkehrsmittel |
|                 | enumeration                                                                                                  | 201    | Massenpersonalisierer                                                                          |
|                 | enumeration                                                                                                  | 202    | areaList_ID                                                                                    |
|                 | enumeration                                                                                                  | 203    | im Fahrzeug/Zug                                                                                |
|                 | enumeration                                                                                                  | 204    | TouchPoint                                                                                     |
|                 | enumeration                                                                                                  | 205    | im Fahrzeug der Linie                                                                          |
|                 | enumeration                                                                                                  | 206    | im Fahrzeug der Zugnummer                                                                      |
|                 | enumeration                                                                                                  | 207    | Teilzone                                                                                       |
|                 | enumeration                                                                                                  | 208    | neutrale Zone                                                                                  |
|                 | enumeration                                                                                                  | 209    | Wabe                                                                                           |
|                 | enumeration                                                                                                  | 210    | Grosswabe                                                                                      |
|                 | enumeration                                                                                                  | 211    | Tarifpunkt                                                                                     |
|                 | enumeration                                                                                                  | 212    | Backoffice                                                                                     |
|                 | enumeration                                                                                                  | 251    | Ortsteil                                                                                       |
|                 | enumeration                                                                                                  | 252    | Gemeinde                                                                                       |
|                 | enumeration                                                                                                  | 253    | Kreis                                                                                          |
|                 | enumeration                                                                                                  | 254    | Land                                                                                           |
|                 | enumeration                                                                                                  | 255    | keine Angabe                                                                                   |
| Source          | <xs:element name="ortTyp" type="tns:OrtsTyp_CODE_Type"/>                                                     |        |                                                                                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |        |                                                                                                |

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

|                 |                                                                                                                                                                                                |          |  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Namespace       | No namespace                                                                                                                                                                                   |          |  |
| Diagram         |                                                                                                             |          |  |
| Type            | tns:ReferenceNumberThree                                                                                                                                                                       |          |  |
| Type hierarchy  | <ul style="list-style-type: none"><li>xs:unsignedInt<ul style="list-style-type: none"><li>tns:INT3<ul style="list-style-type: none"><li>tns:ReferenceNumberThree</li></ul></li></ul></li></ul> |          |  |
| Properties      | content:                                                                                                                                                                                       | simple   |  |
| Facets          | maxInclusive                                                                                                                                                                                   | 16777215 |  |
|                 | minInclusive                                                                                                                                                                                   | 0        |  |
| Source          | <xs:element name="ortNumber" type="ct:ReferenceNumberThree"/>                                                                                                                                  |          |  |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                   |          |  |

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

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

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

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

|                 |                                                                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                                                              |
| Diagram         |                                                                                                                          |
| Type            | tns:TerminalTyp_CODE_Type                                                                                                                                                                                 |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt <ul style="list-style-type: none"> <li>tns:INT1 <ul style="list-style-type: none"> <li>tns:TerminalTyp_CODE_Type</li> </ul> </li> </ul> </li> </ul> |
| Properties      | content: simple                                                                                                                                                                                           |
| Facets          | maxInclusive 255                                                                                                                                                                                          |
|                 | minInclusive 0                                                                                                                                                                                            |
|                 | enumeration 0 Keine Angabe                                                                                                                                                                                |
|                 | enumeration 1 Erfassungsterminal fuer (CICO/BIBO)                                                                                                                                                         |
|                 | enumeration 2 Verkaufsautomat(z. B. Berechtigungen)                                                                                                                                                       |
|                 | enumeration 3 Kontrollterminal (mobil, personalbedient)                                                                                                                                                   |
|                 | enumeration 4 Kartenausgabeterminale                                                                                                                                                                      |
|                 | enumeration 5 Kartenrueckgabeterminale                                                                                                                                                                    |
|                 | enumeration 6 Einstiegskontrollgeraet/Entwerter                                                                                                                                                           |
|                 | enumeration 7 Multifunktionsterminal                                                                                                                                                                      |
|                 | enumeration 8 Informationsterminal                                                                                                                                                                        |
|                 | enumeration 9 Ladeterminale fuer OePV-Werteinheiten                                                                                                                                                       |
|                 | enumeration 13 Terminal beim Massenpersonalisierer                                                                                                                                                        |
|                 | enumeration 14 Terminal in Vertriebs- oder Servicestellestelle (personalbedient)                                                                                                                          |
|                 | enumeration 15 Fahrerterminal (Verkauf und Kontrolle)                                                                                                                                                     |
|                 | enumeration 16 HandyTicketserver                                                                                                                                                                          |
| Source          | <code>&lt;xs:element name="terminalTyp" type="tns:TerminalTyp_CODE_Type"/&gt;</code>                                                                                                                      |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/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"> <li>xs:unsignedInt</li> <li>tns:INT2 <ul style="list-style-type: none"> <li>tns:ReferenceNumberTwo</li> </ul> </li> </ul> |
| Properties      | content: simple                                                                                                                                              |
| Facets          | maxInclusive 65535                                                                                                                                           |
|                 | minInclusive 0                                                                                                                                               |
| Source          | <code>&lt;xs:element name="terminalNummer" type="ct:ReferenceNumberTwo"/&gt;</code>                                                                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                 |

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

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

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

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

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

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

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

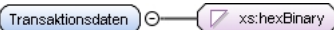
### Element tns:EFMProdukt\_ID\_Type / produktNummer

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

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

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

### Element tns:Transaktionsdatensatz\_Type / Transaktionsdaten

|           |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|
| Namespace | No namespace                                                                        |
| Diagram   |  |
| Type      | xs:hexBinary                                                                        |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Properties      | content: simple                                                                                              |
| Source          | <code>&lt;xs:element name="Transaktionsdaten" type="xs:hexBinary"/&gt;</code>                                |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/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>&lt;xs:element name="schluesselNummer" type="ct:INT1"/&gt;</code>                                      |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/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>&lt;xs:element name="schluesselVersion" type="ct:INT1"/&gt;</code>                                     |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |              |     |              |   |

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

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

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

|           |                   |
|-----------|-------------------|
| Namespace | No namespace      |
| Diagram   |                   |
| Type      | tns:OctetString12 |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Properties      | content: simple                                                                                              |
| Facets          | length 12                                                                                                    |
| Source          | <code>&lt;xs:element name="signaturSchluessel" type="ct:OctetString12"/&gt;</code>                           |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |

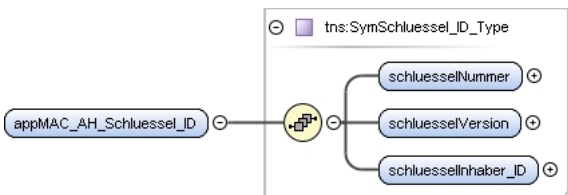
### Element tns:appNmTransaktionMAC\_Type / appMAC\_AH

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:OctetString8                                                                                             |
| Properties      | content: simple                                                                                              |
| Facets          | length 8                                                                                                     |
| Source          | <code>&lt;xs:element name="appMAC_AH" type="ct:OctetString8"/&gt;</code>                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |

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

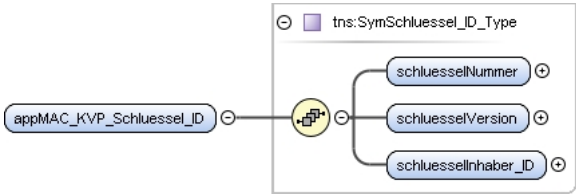
|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:OctetString8                                                                                             |
| Properties      | content: simple                                                                                              |
| Facets          | length 8                                                                                                     |
| Source          | <code>&lt;xs:element name="appMAC_KVP" type="ct:OctetString8"/&gt;</code>                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/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>&lt;appMAC_AH_Schluessel_ID&gt;   &lt;schluesselNummer&gt;{1,1}&lt;/schluesselNummer&gt;   &lt;schluesselVersion&gt;{1,1}&lt;/schluesselVersion&gt;   &lt;schluesselInhaber_ID&gt;{1,1}&lt;/schluesselInhaber_ID&gt; &lt;/appMAC_AH_Schluessel_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="appMAC_AH_Schluessel_ID" type="tns:SymSchluessel_ID_Type"/&gt;</code>                                                                                                                                                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                     |

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

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

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

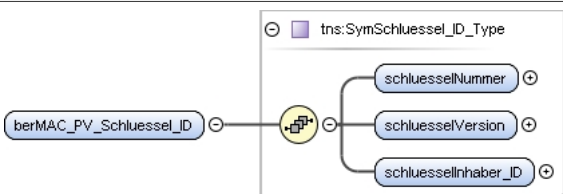
### Element tns:berNmTransaktionMAC\_Type / berMAC\_PV

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:OctetString8                                                                                             |
| Properties      | content: simple                                                                                              |
| Facets          | length 8                                                                                                     |
| Source          | <code>&lt;xs:element name="berMAC_PV" type="ct:OctetString8"/&gt;</code>                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |

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

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                           |
| Type            | tns:OctetString8                                                                                             |
| Properties      | content: simple                                                                                              |
| Facets          | length 8                                                                                                     |
| Source          | <code>&lt;xs:element name="berMAC_KVP" type="ct:OctetString8"/&gt;</code>                                    |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |

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

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

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

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

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

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

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

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

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

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
|                 | <ul style="list-style-type: none"> <li>• tns:INT1</li> <li>• tns:KommunikationsParterRolle</li> </ul>        |
| Properties      | content: simple                                                                                              |
| Facets          | maxInclusive 255                                                                                             |
|                 | minInclusive 0                                                                                               |
|                 | enumeration 0 Unbekannt                                                                                      |
|                 | enumeration 1 KVP                                                                                            |
|                 | enumeration 2 DL                                                                                             |
|                 | enumeration 3 PV                                                                                             |
|                 | enumeration 4 AH                                                                                             |
|                 | enumeration 5 KOSES                                                                                          |
|                 | enumeration 254 ZVM                                                                                          |
| Source          | <code>&lt;xs:element name="transSenderRolle" type="ka:KommunikationsParterRolle"/&gt;</code>                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |

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

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

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

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

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

|             |                                                       |
|-------------|-------------------------------------------------------|
| Namespace   | No namespace                                          |
| Annotations | Eindeutige OrganisationsId des Nachrichtenempfaengers |
| Diagram     |                                                       |

|                 |                                                                                                                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | tns:Organisation_ID                                                                                                                                                                                                                                                           |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt <ul style="list-style-type: none"> <li>tns:INT2 <ul style="list-style-type: none"> <li>tns:ReferenceNumberTwo <ul style="list-style-type: none"> <li>tns:Organisation_ID</li> </ul> </li> </ul> </li> </ul> </li> </ul> |
| Properties      | content: simple                                                                                                                                                                                                                                                               |
| Facets          | maxInclusive 65535                                                                                                                                                                                                                                                            |
|                 | minInclusive 0                                                                                                                                                                                                                                                                |
| Source          | <pre>&lt;xs:element name="transEmpfaenger_ID" type="ka:Organisation_ID"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Eindeutige OrganisationsId des Nachrichtenempfaengers&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>             |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                  |

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

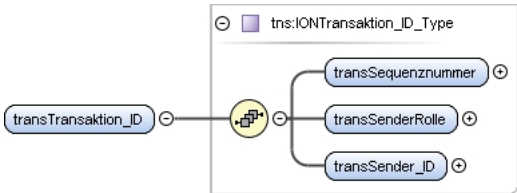
|                 |                                                                                                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------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

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

|            |                                                           |
|------------|-----------------------------------------------------------|
| Namespace  | No namespace                                              |
| Diagram    | <pre>graph LR     A((transStatus)) --- B((ct:INT1))</pre> |
| Type       | tns:INT1                                                  |
| Properties | content: simple                                           |
|            | minOccurs: 0                                              |
|            | maxOccurs: 1                                              |

|                 |                                                                                                              |     |
|-----------------|--------------------------------------------------------------------------------------------------------------|-----|
| Facets          | maxInclusive                                                                                                 | 255 |
|                 | minInclusive                                                                                                 | 0   |
| Source          | <xs:element name="transStatus" type="ct:INT1" minOccurs="0" maxOccurs="1"/>                                  |     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |     |

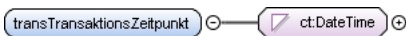
## Element tns:ION\_TX\_HEADER\_Type / transTransaktion\_ID

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

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

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

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

|             |                                                                                                                                                                                                                                    |        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Namespace   | No namespace                                                                                                                                                                                                                       |        |
| Annotations | Zeitpunkt der Dienstanfrage gemaess den Angaben der Dienstaufbauers. Achtung: Aufgrund von potentiell unsynchronisierten, lokalen Uhren der Kommunikationspartnern ist moeglicherweise die Aussagekraft dieses Feldes sehr gering. |        |
| Diagram     |                                                                                                                                                 |        |
| Type        | tns:DateTime                                                                                                                                                                                                                       |        |
| Properties  | content:                                                                                                                                                                                                                           | simple |
| Source      | <pre>&lt;xs:element name="transTransaktionsZeitpunkt" type="ct:DateTime"&gt;   &lt;xs:annotation&gt;</pre>                                                                                                                         |        |

|                 |                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;xs:documentation&gt;Zeitpunkt der Dienstanfrage gemass den Angaben der Dienstauftrufers.<br/>Achtung: Aufgrund von potentiell unsynchronisierten, lokalen Uhren der Kommunikationspartnern ist<br/>moeglicherweise die Aussagekraft dieses Feldes sehr gering.&lt;/xs:documentation&gt;</code><br><code>&lt;/xs:annotation&gt;</code><br><code>&lt;/xs:element&gt;</code> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/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]<br/> [0-1][0-1][0-1][0-1][0-1]<br/> [0-1][0-1][0-1][0-1][0-1]<br/> [0-1] </td></tr> </table> | length   | 16     | pattern    | [0-1][0-1][0-1][0-1][0-1]<br>[0-1][0-1][0-1][0-1][0-1]<br>[0-1][0-1][0-1][0-1][0-1]<br>[0-1] |            |   |
| length          | 16                                                                                                                                                                                          |          |        |            |                                                                                              |            |   |
| pattern         | [0-1][0-1][0-1][0-1][0-1]<br>[0-1][0-1][0-1][0-1][0-1]<br>[0-1][0-1][0-1][0-1][0-1]<br>[0-1]                                                                                                |          |        |            |                                                                                              |            |   |
| Source          | <code>&lt;xs:element name="transVersion" type="ct:BitString16" minOccurs="0" maxOccurs="1"/&gt;</code>                                                                                      |          |        |            |                                                                                              |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                |          |        |            |                                                                                              |            |   |

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

|                 |                                                                                                                                          |              |        |              |   |            |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|------------|---|
| 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>&lt;xs:element name="transWiederholungsZaehler" type="ct:INT1" minOccurs="0" maxOccurs="1"/&gt;</code>                             |              |        |              |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                             |              |        |              |   |            |   |

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

|                 |                                                                                                                                          |              |        |              |   |            |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|---|------------|---|
| 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>&lt;xs:element name="transSignaturTyp" type="ct:INT1" minOccurs="0" maxOccurs="1"/&gt;</code>                                      |              |        |              |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                             |              |        |              |   |            |   |

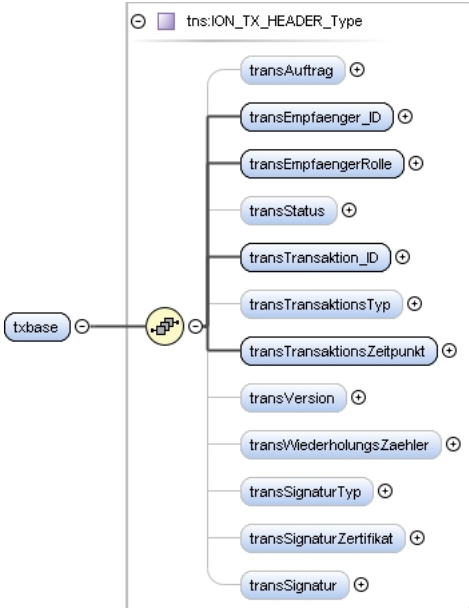
## Element tns:ION\_TX\_HEADER\_Type / transSignaturZertifikat

|                 |                                                                                                                                                                                                                                                                                            |          |        |            |   |            |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|---|------------|---|
| Namespace       | No namespace                                                                                                                                                                                                                                                                               |          |        |            |   |            |   |
| Diagram         |                                                                                                                                                                                                           |          |        |            |   |            |   |
| Type            | restriction of xs:hexBinary                                                                                                                                                                                                                                                                |          |        |            |   |            |   |
| Properties      | <table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>                                                                                                                                                   | content: | simple | minOccurs: | 0 | maxOccurs: | 1 |
| content:        | simple                                                                                                                                                                                                                                                                                     |          |        |            |   |            |   |
| minOccurs:      | 0                                                                                                                                                                                                                                                                                          |          |        |            |   |            |   |
| maxOccurs:      | 1                                                                                                                                                                                                                                                                                          |          |        |            |   |            |   |
| Facets          | length 378                                                                                                                                                                                                                                                                                 |          |        |            |   |            |   |
| Source          | <pre>&lt;xs:element name="transSignaturZertifikat" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:hexBinary"&gt;       &lt;xs:length value="378" fixed="true"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |          |        |            |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                               |          |        |            |   |            |   |

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

|                 |                                                                                                                                          |          |        |            |   |            |   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------------|---|------------|---|
| Namespace       | No namespace                                                                                                                             |          |        |            |   |            |   |
| Diagram         |                                                         |          |        |            |   |            |   |
| Type            | tns:TransSignatur_Type                                                                                                                   |          |        |            |   |            |   |
| Properties      | <table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table> | content: | simple | minOccurs: | 0 | maxOccurs: | 1 |
| content:        | simple                                                                                                                                   |          |        |            |   |            |   |
| minOccurs:      | 0                                                                                                                                        |          |        |            |   |            |   |
| maxOccurs:      | 1                                                                                                                                        |          |        |            |   |            |   |
| Facets          | length 128                                                                                                                               |          |        |            |   |            |   |
| Source          | <pre>&lt;xs:element name="transSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/&gt;</pre>                            |          |        |            |   |            |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/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>&lt;txbase&gt;   &lt;transAuftrag&gt;{0,1}&lt;/transAuftrag&gt;   &lt;transEmpfaenger_ID&gt;{1,1}&lt;/transEmpfaenger_ID&gt;   &lt;transEmpfaengerRolle&gt;{1,1}&lt;/transEmpfaengerRolle&gt;   &lt;transStatus&gt;{0,1}&lt;/transStatus&gt;   &lt;transTransaktion_ID&gt;{1,1}&lt;/transTransaktion_ID&gt;   &lt;transTransaktionsTyp&gt;{0,1}&lt;/transTransaktionsTyp&gt;   &lt;transTransaktionsZeitpunkt&gt;{1,1}&lt;/transTransaktionsZeitpunkt&gt;   &lt;transVersion&gt;{0,1}&lt;/transVersion&gt;   &lt;transWiederholungsZaehler&gt;{0,1}&lt;/transWiederholungsZaehler&gt;   &lt;transSignaturTyp&gt;{0,1}&lt;/transSignaturTyp&gt;   &lt;transSignaturZertifikat&gt;{0,1}&lt;/transSignaturZertifikat&gt;   &lt;transSignatur&gt;{0,1}&lt;/transSignatur&gt; &lt;/txbase&gt;</pre> |
| Source          | <pre>&lt;xs:element name="txbase" type="tns:ION_TX_HEADER_Type"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Fachliche Daten ueber die in der Transaktion involvierten Systeme&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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

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

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

|            |                                                 |
|------------|-------------------------------------------------|
| Namespace  | No namespace                                    |
| Diagram    |                                                 |
| Type       | tns:TransSignatur_Type                          |
| Properties | content: simple<br>minOccurs: 0<br>maxOccurs: 1 |
| Facets     | length 128                                      |

|                 |                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------|
| Source          | <code>&lt;xs:element name="transOrigSignatur" minOccurs="0" maxOccurs="1" type="tns:TransSignatur_Type"/&gt;</code> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd        |

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

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | xs:dateTime                                                                                                  |
| Properties      | content: simple                                                                                              |
| Source          | <code>&lt;xs:element name="transOriginalZeit" type="xs:dateTime"/&gt;</code>                                 |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/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          | <table> <tr> <td>maxInclusive</td><td>255</td></tr> <tr> <td>minInclusive</td><td>0</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | maxInclusive | 255 | minInclusive | 0 |
| maxInclusive    | 255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |     |              |   |
| minInclusive    | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |     |              |   |
| Source          | <pre> &lt;xs:element name="transAblehnungGrund" type="ct:INT1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;WICHTIG: Aus Historischen Gruenden ist TXA_Type ein allgemeiner Typ, der von allen teilnehmenden Systemen genutzt wird. Das fuehrt dazu, dass sich alle Systeme dieselben 'transAblehnungGrund' Fehlercodes teilen. Dies ist suboptimal, da, wann immer sich einer der 'transAblehnungGrund' Fehlercodes veraendert, alle teilnehmenden Systeme angepasst, getestet und in einer neuen Version zur Verfuegung gestellt werden muessten. Um TXA wie bisher weiterverwenden zu koennen, und um das beschriebene Abhaengigkeitsproblem zu vermeiden, wurde dieses Feld nicht mit expliziter Aufzaehlung der moeglichen Fehlercodes, sondern mit einem simplen numerischen Typen versehen. Die genauen Fehlercodes sind der Schnittstelle des jeweiligen konkreten teilnehmenden Systems zu entnehmen. Die Codes 0 bis 9 (einschliesslich) sind fuer allgemeine Fehler reserviert und duerfen von den teilnehmenden Systemen nur fuer die vorgesehene Semantik verwendet werden (siehe Typ 'CommonServiceResultCode'). Es wird empfohlen, fuer die vollstaendigkeit der Schnittstelle, in den XSDs des jeweiligen Systems einen Aufzaehlungstypen vom Basistypen 'ct:INT1' mit den jeweiligen Fehlercodes des Systems zu definieren.&lt;/xs:documentation&gt;     &lt;/xs:annotation&gt;   &lt;/xs:element&gt; </pre> |              |     |              |   |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |     |              |   |

## Element tns:TXAS\_Type / transSendeAuftrag

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

|                 |                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type            | restriction of tns:PrintableString                                                                                                                                                                                                                                                         |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:string</li> <li>tns:PrintableString</li> </ul>                                                                                                                                                                                                   |
| Properties      | content: simple                                                                                                                                                                                                                                                                            |
| Facets          | minLength 0                                                                                                                                                                                                                                                                                |
|                 | maxLength 10                                                                                                                                                                                                                                                                               |
|                 | pattern [ -þ]*                                                                                                                                                                                                                                                                             |
| Source          | <pre>&lt;xs:element name="transSendeAuftrag"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="tns:PrintableString"&gt;       &lt;xs:minLength value="0"/&gt;       &lt;xs:maxLength value="10"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre> |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                                                                                                               |

### Element tns:TXAS\_Type / transSendeAuftragstyp

|                 |                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                     |
| Diagram         |                                                                                                                  |
| Type            | tns:AuftragsTyp_CODE                                                                                             |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt</li> <li>tns:INT1</li> <li>tns:AuftragsTyp_CODE</li> </ul> |
| Properties      | content: simple                                                                                                  |
| Facets          | maxInclusive 255                                                                                                 |
|                 | minInclusive 0                                                                                                   |
| Source          | <pre>&lt;xs:element name="transSendeAuftragstyp" type="tns:AuftragsTyp_CODE"/&gt;</pre>                          |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/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          | <pre>&lt;xs:element name="berGueltigkeitsbeginn" type="ct:DateTimeCompact"/&gt;</pre>                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |

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

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

|                 |                                                                                                              |                     |
|-----------------|--------------------------------------------------------------------------------------------------------------|---------------------|
| Facets          | maxInclusive                                                                                                 | 2117-12-31T23:59:58 |
|                 | minInclusive                                                                                                 | 1990-01-01T00:00:00 |
| Source          | <xs:element name="berGueltigkeitsende" type="ct:DateTimeCompact"/>                                           |                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |                     |

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

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

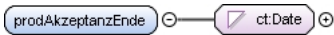
## Element tns:TX\_BER\_Type / berBezahlArt

|                 |                                                                                                                                                                                                         |                        |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Namespace       | No namespace                                                                                                                                                                                            |                        |
| Diagram         |                                                                                                                                                                                                         |                        |
| Type            | tns:Bezahlart_CODE_Type                                                                                                                                                                                 |                        |
| Type hierarchy  | <ul style="list-style-type: none"> <li>xs:unsignedInt <ul style="list-style-type: none"> <li>tns:INT1 <ul style="list-style-type: none"> <li>tns:Bezahlart_CODE_Type</li> </ul> </li> </ul> </li> </ul> |                        |
| Properties      | content:                                                                                                                                                                                                | simple                 |
| Facets          | maxInclusive                                                                                                                                                                                            | 255                    |
|                 | minInclusive                                                                                                                                                                                            | 0                      |
|                 | enumeration                                                                                                                                                                                             | 0 Keine Angabe         |
|                 | enumeration                                                                                                                                                                                             | 1 Bar                  |
|                 | enumeration                                                                                                                                                                                             | 3 Kreditkarte          |
|                 | enumeration                                                                                                                                                                                             | 5 POB/PEB              |
|                 | enumeration                                                                                                                                                                                             | 6 EC-Karte/Lastschrift |
|                 | enumeration                                                                                                                                                                                             | 8 Wertseinheiten       |
|                 | enumeration                                                                                                                                                                                             | 17 ec-Cash             |
|                 | enumeration                                                                                                                                                                                             | 24 Geldkarte           |
|                 | enumeration                                                                                                                                                                                             | 25 Mastercard          |
|                 | enumeration                                                                                                                                                                                             | 26 Visacard            |
| Source          | <xs:element name="berBezahlArt" type="tns:Bezahlart_CODE_Type"/>                                                                                                                                        |                        |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                                                            |                        |

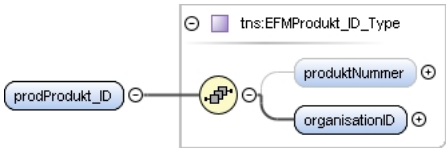
## Element tns:TX\_BER\_Type / berBezahlMittel

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:OctetString10                                                                                            |
| Properties      | content: simple                                                                                              |
| Facets          | length 10                                                                                                    |
| Source          | <code>&lt;xs:element name="berBezahlMittel" type="ct:OctetString10"/&gt;</code>                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |

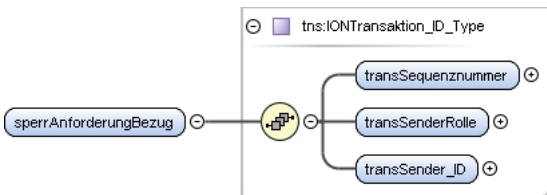
## Element tns:TXDEABER\_Req\_Type / prodAkzeptanzEnde

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                 |
| Diagram         |                             |
| Type            | tns:Date                                                                                                     |
| Properties      | content: simple                                                                                              |
| Source          | <code>&lt;xs:element name="prodAkzeptanzEnde" type="ct:Date"/&gt;</code>                                     |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |

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

|                 |                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Namespace       | No namespace                                                                                                                                                      |
| Diagram         |                                                                                |
| Type            | tns:EFMProdukt_ID_Type                                                                                                                                            |
| Properties      | content: complex                                                                                                                                                  |
| Model           | produktNummer{0,1} , organisationID                                                                                                                               |
| Children        | organisationID, produktNummer                                                                                                                                     |
| Instance        | <pre>&lt;prodProdukt_ID&gt;   &lt;produktNummer&gt;{0,1}&lt;/produktNummer&gt;   &lt;organisationID&gt;{1,1}&lt;/organisationID&gt; &lt;/prodProdukt_ID&gt;</pre> |
| Source          | <code>&lt;xs:element name="prodProdukt_ID" type="tns:EFMProdukt_ID_Type"/&gt;</code>                                                                              |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd                                                      |

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

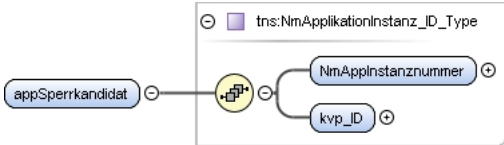
|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| Namespace  | No namespace                                                                        |
| Diagram    |  |
| Type       | tns:IONTransaktion_ID_Type                                                          |
| Properties | content: complex                                                                    |
| Model      | transSequenznummer , transSenderRolle , transSender_ID                              |

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

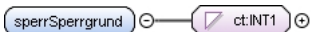
### Element tns:TX\_SMIT\_Type / sperrEntscheidung

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

### Element tns:TXSFREIMITA\_Type / appSperrkandidat

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

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

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

## Element tns:TXSANFSYMK\_Type / keySperrkandidat

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

## Element tns:TXSANFASYMK\_Type / keySperrkandidataSym

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

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

## Element tns:TXSFREIMITASYMK\_Type / keySperrkandidatsym

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

## Element tns:TXSMITSYMK\_Type / keySperrkandidatsym

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

## Element tns:TXSMITASYMK\_Type / keySperrkandidatsym

|            |                                          |
|------------|------------------------------------------|
| Namespace  | No namespace                             |
| Diagram    |                                          |
| Type       | tns:ASymSchluessel_ID_Type               |
| Properties | content: complex                         |
| Model      | signaturSchluessel                       |
| Children   | signaturSchluessel                       |
| Instance   | <code>&lt;keySperrkandidatsym&gt;</code> |

|                 |                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------|
|                 | <code>&lt;signaturSchluessel&gt;{1,1}&lt;/signaturSchluessel&gt;<br/>&lt;/keySperrkandidatasy&gt;</code>     |
| Source          | <code>&lt;xs:element name="keySperrkandidatasy" type="tns:ASymSchluesse l_ID_Type"/&gt;</code>               |
| Schema location | file:/C:/tmp/KA-Interfaces/vdv-ka-interfaces/interfaces/world/build/api/relative/ka/ion/1/XML-Schema_ION.xsd |