

Schema documentation for DR-GW-SDS.xsd

november 5, 2024

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| | |
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Namespace: "DR-GW-Interface/DR-GW-SDS"

Schema(s)

Main schema DR-GW-SDS.xsd

| | |
|-------------|-------------------------------------|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | Version 1.2 |
| Properties | attribute form default: unqualified |
| | element form default: qualified |

Element(s)

Element SDS_Send

| | |
|----------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | |
| Diagram | |
| Type | extension of ct:typeRequest |
| Type hierarchy | <ul style="list-style-type: none"> ct:typeRequest |
| Properties | content: complex |
| Model | ct:requestId , sds |
| Children | ct:requestId, sds |
| Instance | <pre><SDS_Send xmlns="DR-GW-Interface/DR-GW-SDS" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:requestId>{1,1}</ct:requestId> <sds>{1,1}</sds> </SDS_Send></pre> |
| Source | <pre><xs:element name="SDS_Send"></pre> |

```

<xs:annotation>
  <xs:documentation/>
</xs:annotation>
<xs:complexType>
  <xs:complexContent>
    <xs:extension base="ct:typeRequest">
      <xs:sequence>
        <xs:element name="sds" type="ctS:typeSDS"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
</xs:element>

```

Element sds_send / sds

| | |
|------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Diagram | <p>The diagram shows the structure of the <code>sds</code> element. It is a complex type derived from <code>ctS:typeSDS</code>. The element contains a sequence of the following optional elements: <code>protocol</code>, <code>sdsType</code>, <code>msgRef</code>, <code>report</code>, <code>sdsdata</code>, <code>source</code>, <code>target</code>, <code>forward</code>, <code>validity</code>, <code>tstamp</code>, <code>encryption</code>, <code>e2eegroup</code>, and <code>shortFormReportAllowed</code>.</p> |
| Type | typeSDS |
| Properties | content: complex |
| Model | protocol{0,1} , sdsType , msgRef{0,1} , report{0,1} , sdsdata , source{0,1} , target , forward{0,1} , validity{0,1} , tstamp{0,1} , encryption{0,1} , e2eegroup{0,1} , shortFormReportAllowed{0,1} |
| Children | e2eegroup, encryption, forward, msgRef, protocol, report, sdsType, sdsdata, shortFormReportAllowed, source, target, tstamp, validity |
| Instance | <pre> <sds xmlns="DR-GW-Interface/DR-GW-SDS" xmlns:ctS="DR-GW-Interface/DR-GW-SDS.CommonTypes"> <ctS:protocol>{0,1}</ctS:protocol> <ctS:sdsType>{1,1}</ctS:sdsType> <ctS:msgRef>{0,1}</ctS:msgRef> <ctS:report>{0,1}</ctS:report> <ctS:sdsdata>{1,1}</ctS:sdsdata> <ctS:source>{0,1}</ctS:source> <ctS:target>{1,1}</ctS:target> <ctS:forward>{0,1}</ctS:forward> <ctS:validity>{0,1}</ctS:validity> <ctS:tstamp>{0,1}</ctS:tstamp> <ctS:encryption>{0,1}</ctS:encryption> </pre> |

| | |
|--------|---|
| | <pre> <ctS:e2eegroup>{0,1}</ctS:e2eegroup> <ctS:shortFormReportAllowed>{0,1}</ctS:shortFormReportAllowed> </sds> </pre> |
| Source | <pre> <xs:element name="sds" type="ctS:typeSDS"/> </pre> |

Element SDS_SendReport

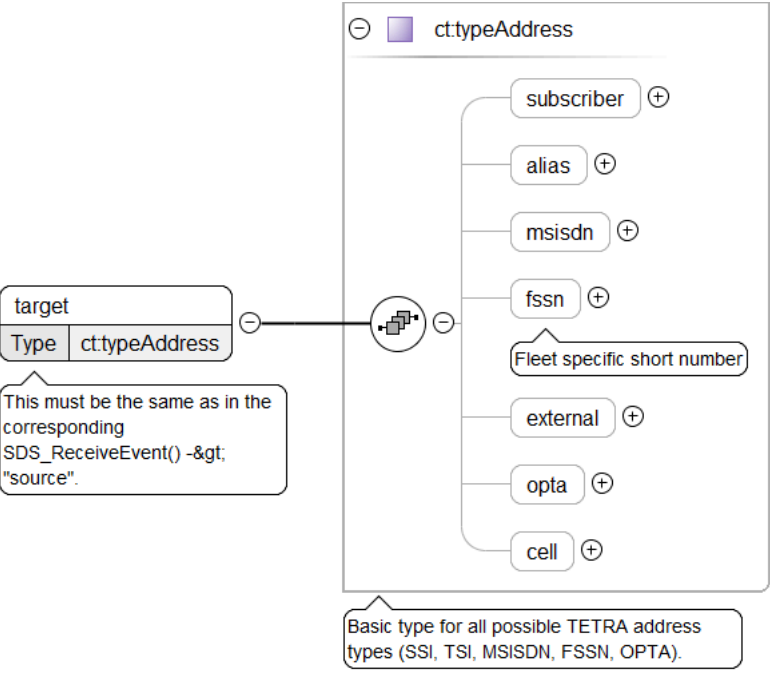
| | |
|----------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | |
| Diagram | <p>Diagram illustrating the structure of the SDS_SendReport element, which is an extension of ct:typeRequest.</p> <ul style="list-style-type: none"> requestId (Type: ct:typeRequest extension base) target (Type: ct:typeAddress) <ul style="list-style-type: none"> This must be the same as in the corresponding SDS_ReceiveEvent() -> "source". msgRef (Type: xs:unsignedByte) <ul style="list-style-type: none"> This must be the same as in the corresponding SDS_ReceiveEvent() -> "msgRef". deliveryStatus (Type: xs:unsignedByte) <ul style="list-style-type: none"> The value shall be according to "Delivery status" [ETSI EN 300 392-2]. protocol (Type: xs:unsignedByte) <ul style="list-style-type: none"> This must be the same as in the corresponding SDS_ReceiveEvent() -> "protocol". source (Type: ct:typeAddress) <ul style="list-style-type: none"> This must be the same as in the corresponding SDS_ReceiveEvent() -> "target". |
| Type | extension of ct:typeRequest |
| Type hierarchy | <ul style="list-style-type: none"> ct:typeRequest |
| Properties | content: complex |
| Model | ct:requestId, target, msgRef, deliveryStatus, protocol, source |
| Children | ct:requestId, deliveryStatus, msgRef, protocol, source, target |
| Instance | <pre> <SDS_SendReport xmlns="DR-GW-Interface/DR-GW-SDS" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:requestId>{1,1}</ct:requestId> <target>{1,1}</target> <msgRef>{1,1}</msgRef> <deliveryStatus>{1,1}</deliveryStatus> <protocol>{1,1}</protocol> <source>{1,1}</source> </SDS_SendReport> </pre> |
| Source | <pre> <xs:element name="SDS_SendReport"> <xs:annotation> <xs:documentation/> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="ct:typeRequest"> <xs:sequence> <xs:element name="target" type="ct:typeAddress"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "source".</xs:documentation> </xs:annotation> </xs:element> <xs:element name="msgRef" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "msgRef".</xs:documentation> </xs:annotation> </xs:element> <xs:element name="deliveryStatus" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>The value shall be according to "Delivery status" [ETSI EN 300 392-2].</xs:documentation> </xs:annotation> </xs:element> <xs:element name="protocol" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "protocol".</xs:documentation> </xs:annotation> </xs:element> <xs:element name="source" type="ct:typeAddress"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "target".</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre> |

```

</xs:annotation>
</xs:element>
<xs:element name="msgRef" type="xs:unsignedByte">
  <xs:annotation>
    <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() ->
"msgRef".</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="deliveryStatus" type="xs:unsignedByte">
  <xs:annotation>
    <xs:documentation>The value shall be according to "Delivery status" [ETSI EN 300
392-2].</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="protocol" type="xs:unsignedByte">
  <xs:annotation>
    <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() ->
"protocol".</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="source" type="ct:typeAddress">
  <xs:annotation>
    <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() ->
"target".</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
</xs:element>

```

Element SDS_SendReport / target

| | |
|-------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | This must be the same as in the corresponding SDS_ReceiveEvent() -> "source". |
| Diagram |  |
| Type | ct:typeAddress |
| Properties | content: complex |
| Model | ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1} |
| Children | ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn, ct:opta, ct:subscriber |
| Instance | <pre> <target xmlns="DR-GW-Interface/DR-GW-SDS" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:subscriber>{0,1}</ct:subscriber> <ct:alias>{0,1}</ct:alias> <ct:msisdn>{0,1}</ct:msisdn> <ct:fssn>{0,1}</ct:fssn> <ct:external>{0,1}</ct:external> </pre> |

| | |
|--------|--|
| | <pre> <ct:opta>{0,1}</ct:opta> <ct:cell>{0,1}</ct:cell> </target> </pre> |
| Source | <pre> <xs:element name="target" type="ct:typeAddress"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "source".</xs:documentation> </xs:annotation> </xs:element> </pre> |

Element SDS_SendReport / msgRef

| | |
|-------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | This must be the same as in the corresponding SDS_ReceiveEvent() -> "msgRef". |
| Diagram | |
| Type | xs:unsignedByte |
| Properties | content: simple |
| Source | <pre> <xs:element name="msgRef" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "msgRef".</xs:documentation> </xs:annotation> </xs:element> </pre> |

Element SDS_SendReport / deliveryStatus

| | |
|-------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | The value shall be according to "Delivery status" [ETSI EN 300 392-2]. |
| Diagram | |
| Type | xs:unsignedByte |
| Properties | content: simple |
| Source | <pre> <xs:element name="deliveryStatus" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>The value shall be according to "Delivery status" [ETSI EN 300 392-2].</xs:documentation> </xs:annotation> </xs:element> </pre> |

Element SDS_SendReport / protocol

| | |
|-------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | This must be the same as in the corresponding SDS_ReceiveEvent() -> "protocol". |
| Diagram | |

| | |
|------------|---|
| Type | xs:unsignedByte |
| Properties | content: simple |
| Source | <pre><xs:element name="protocol" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "protocol".</xs:documentation> </xs:annotation> </xs:element></pre> |

Element SDS_SendReport / source

| | |
|-------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | This must be the same as in the corresponding SDS_ReceiveEvent() -> "target". |
| Diagram | |
| Type | ct:typeAddress |
| Properties | content: complex |
| Model | ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1} |
| Children | ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn, ct:opta, ct:subscriber |
| Instance | <pre><source xmlns="DR-GW-Interface/DR-GW-SDS" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:subscriber>{0,1}</ct:subscriber> <ct:alias>{0,1}</ct:alias> <ct:msisdn>{0,1}</ct:msisdn> <ct:fssn>{0,1}</ct:fssn> <ct:external>{0,1}</ct:external> <ct:opta>{0,1}</ct:opta> <ct:cell>{0,1}</ct:cell> </source></pre> |
| Source | <pre><xs:element name="source" type="ct:typeAddress"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "target".</xs:documentation> </xs:annotation> </xs:element></pre> |

Element SDS_SendShortFormReport

| | |
|-------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | This method should only be used when SDS_ReceiveEvent() -> "shortFormReportAllowed=true". Even then the standard report method SDS_SendReport is allowed. |

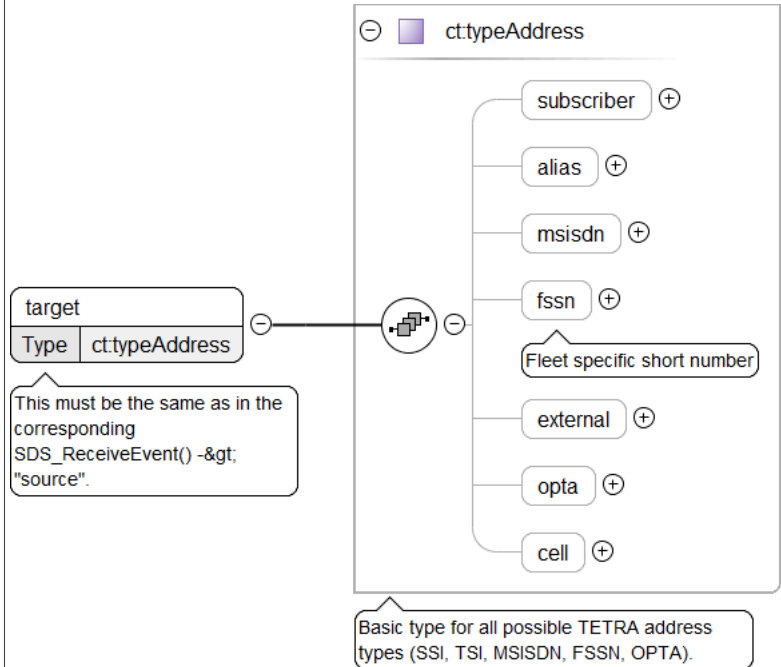
| | |
|----------------|--|
| Diagram | <p>SDS_SendShortFormReport Type: Extension of 'ct:typeRequest'</p> <p>This method should only be used when SDS_ReceiveEvent() -> "shortFormReportAllowed=true". Even then the standard...</p> <p>requestId Type: ct:typeRequest</p> <p>target Type: ct:typeAddress</p> <p>This must be the same as in the corresponding SDS_ReceiveEvent() -> "source".</p> <p>msgRef Type: xs:unsignedByte</p> <p>This must be the same as in the corresponding SDS_ReceiveEvent() -> "msgRef".</p> <p>deliveryStatus Type: xs:unsignedByte</p> <p>The value shall be according to "Short report type" [ETSI EN 300 392-2].</p> <p>source Type: ct:typeAddress</p> <p>This must be the same as in the corresponding SDS_ReceiveEvent() -> "target".</p> |
| Type | extension of ct:typeRequest |
| Type hierarchy | <ul style="list-style-type: none"> ct:typeRequest |
| Properties | content: complex |
| Model | ct:requestId, target, msgRef, deliveryStatus, source |
| Children | ct:requestId, deliveryStatus, msgRef, source, target |
| Instance | <pre><SDS_SendShortFormReport xmlns="DR-GW-Interface/DR-GW-SDS" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:requestId>{1,1}</ct:requestId> <target>{1,1}</target> <msgRef>{1,1}</msgRef> <deliveryStatus>{1,1}</deliveryStatus> <source>{1,1}</source> </SDS_SendShortFormReport></pre> |
| Source | <pre><xs:element name="SDS_SendShortFormReport"> <xs:annotation> <xs:documentation>This method should only be used when SDS_ReceiveEvent() -> "shortFormReportAllowed=true". Even then the standard report method SDS_SendReport is allowed.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="ct:typeRequest"> <xs:sequence> <xs:element name="target" type="ct:typeAddress"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "source".</xs:documentation> </xs:annotation> </xs:element> <xs:element name="msgRef" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "msgRef".</xs:documentation> </xs:annotation> </xs:element> <xs:element name="deliveryStatus" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>The value shall be according to "Short report type" [ETSI EN 300 392-2].</xs:documentation> </xs:annotation> </xs:element> <xs:element name="source" type="ct:typeAddress"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "target".</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre> |


```

        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>
</xs:element>

```

Element SDS_SendShortFormReport / target

| | |
|-------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | This must be the same as in the corresponding SDS_ReceiveEvent() -> "source". |
| Diagram |  |
| Type | ct:typeAddress |
| Properties | content: complex |
| Model | ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1} |
| Children | ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn, ct:opta, ct:subscriber |
| Instance | <pre> <target xmlns="DR-GW-Interface/DR-GW-SDS" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:subscriber>{0,1}</ct:subscriber> <ct:alias>{0,1}</ct:alias> <ct:msisdn>{0,1}</ct:msisdn> <ct:fssn>{0,1}</ct:fssn> <ct:external>{0,1}</ct:external> <ct:opta>{0,1}</ct:opta> <ct:cell>{0,1}</ct:cell> </target> </pre> |
| Source | <pre> <xs:element name="target" type="ct:typeAddress"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "source".</xs:documentation> </xs:annotation> </xs:element> </pre> |

Element SDS_SendShortFormReport / msgRef

| | |
|-------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | This must be the same as in the corresponding SDS_ReceiveEvent() -> "msgRef". |

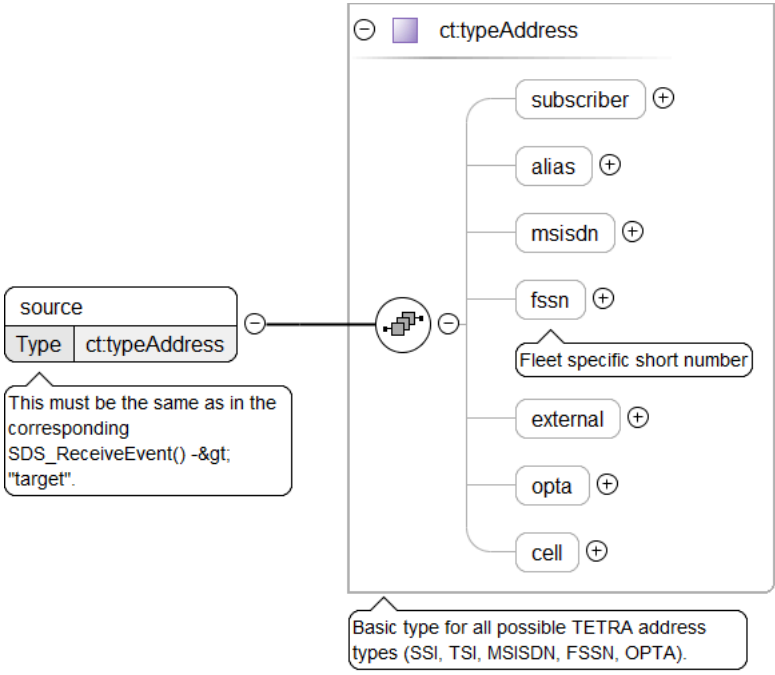
| | |
|------------|---|
| Diagram | |
| Type | xs:unsignedByte |
| Properties | content: simple |
| Source | <pre><xs:element name="msgRef" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "msgRef".</xs:documentation> </xs:annotation> </xs:element></pre> |

Element SDS_SendShortFormReport / deliveryStatus

| | |
|-------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | The value shall be according to "Short report type" [ETSI EN 300 392-2]. |
| Diagram | |
| Type | xs:unsignedByte |
| Properties | content: simple |
| Source | <pre><xs:element name="deliveryStatus" type="xs:unsignedByte"> <xs:annotation> <xs:documentation>The value shall be according to "Short report type" [ETSI EN 300 392-2].</ xs:documentation> </xs:annotation> </xs:element></pre> |

Element SDS_SendShortFormReport / source

| | |
|-------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS |
| Annotations | This must be the same as in the corresponding SDS_ReceiveEvent() -> "target". |

| | |
|------------|---|
| Diagram |  |
| Type | ct:typeAddress |
| Properties | content: complex |
| Model | ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1} |
| Children | ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn, ct:opta, ct:subscriber |
| Instance | <pre> <source xmlns="DR-GW-Interface/DR-GW-SDS" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:subscriber>{0,1}</ct:subscriber> <ct:alias>{0,1}</ct:alias> <ct:msisdn>{0,1}</ct:msisdn> <ct:fssn>{0,1}</ct:fssn> <ct:external>{0,1}</ct:external> <ct:opta>{0,1}</ct:opta> <ct:cell>{0,1}</ct:cell> </source> </pre> |
| Source | <pre> <xs:element name="source" type="ct:typeAddress"> <xs:annotation> <xs:documentation>This must be the same as in the corresponding SDS_ReceiveEvent() -> "target".</xs:documentation> </xs:annotation> </xs:element> </pre> |

Namespace: "DR-GW-Interface/DR-GW-SDS.CommonTypes"

Schema(s)

Imported schema DR-GW-SDS.CommonTypes.xsd

| | |
|-------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Annotations | Version 1.2 |
| Properties | attribute form default: unqualified element form default: qualified |

Element(s)

Element typeSDS / protocol

| | |
|-----------|---------------------------------------|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
|-----------|---------------------------------------|

| | | | | | |
|------------|---|----------|--------|------------|---|
| Diagram | | | | | |
| Type | xs:unsignedByte | | | | |
| 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 | | | | |
| Source | <code><xs:element name="protocol" type="xs:unsignedByte" minOccurs="0"/></code> | | | | |

Element typesDS / sdsType

| | | | |
|------------|--|--------|---------|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes | | |
| Diagram | | | |
| Type | typeSDSType | | |
| Properties | content: | simple | |
| Facets | enumeration | 0 | SDS1. |
| | enumeration | 1 | SDS2. |
| | enumeration | 2 | SDS3. |
| | enumeration | 3 | SDS4. |
| | enumeration | 4 | SDS-TL. |
| | enumeration | 5 | Status. |
| Source | <xs:element name="sdsType" type="typeSDSType" /> | | |

Element typesDS / msgRef

| | | | | | | | |
|------------|---|--|--|----------|--------|------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes | | | | | | |
| Diagram | <div><div>msgRef</div><div><div></div><div>xs:unsignedByte</div></div></div> <div>Built-in derived type. The unsignedByte datatype is derived from unsignedShort by setting the value of maxInclusive to...</div> | | | | | | |
| Type | xs:unsignedByte | | | | | | |
| 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 | | | | | | |
| Source | <xs:element name="msgRef" type="xs:unsignedByte" minOccurs="0" /> | | | | | | |

Element typesDS / report

| | | | |
|------------|---|----------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes | | |
| Diagram | <div><div>report</div><div>⊖</div><div><div></div><div>typeReport</div><div>⊕</div></div></div> | | |
| Type | typeReport | | |
| Properties | content: | simple | |
| | minOccurs: | 0 | |
| | default: | none | |
| Facets | enumeration | none | |
| | enumeration | delivery | |
| | enumeration | consume | |
| | enumeration | both | |

| | |
|--------|---|
| Source | <code><xs:element name="report" type="typeReport" default="none" minOccurs="0"/></code> |
|--------|---|

Element typeSDS / sdsdata

| | |
|------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Diagram | |
| Type | typeSDSData |
| Properties | content: complex |
| Model | data{0,1} , hexdata{0,1} , hexdatalength{0,1} |
| Children | data, hexdata, hexdatalength |
| Instance | <pre><sdsdata xmlns="DR-GW-Interface/DR-GW-SDS.CommonTypes"> <data>{0,1}</data> <hexdata>{0,1}</hexdata> <hexdatalength>{0,1}</hexdatalength> </sdsdata></pre> |
| Source | <code><xs:element name="sdsdata" type="typeSDSData"/></code> |

Element typeSDSData / data

| | |
|------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Diagram | |
| Type | xs:string |
| Properties | content: simple minOccurs: 0 |
| Source | <code><xs:element name="data" type="xs:string" minOccurs="0"/></code> |

Element typeSDSData / hexdata

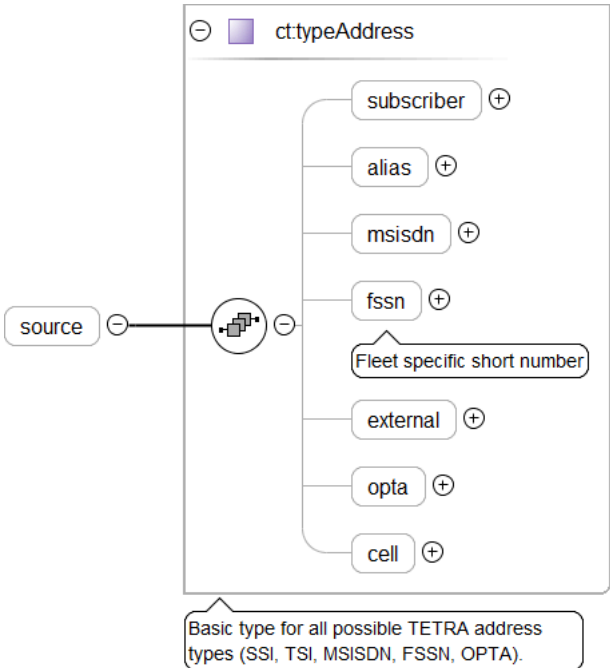
| | |
|------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Diagram | |
| Type | xs:hexBinary |
| Properties | content: simple minOccurs: 0 |
| Source | <code><xs:element name="hexdata" type="xs:hexBinary" minOccurs="0"/></code> |

Element typeSDSData / hexdatalength

| | |
|-----------|---------------------------------------|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
|-----------|---------------------------------------|

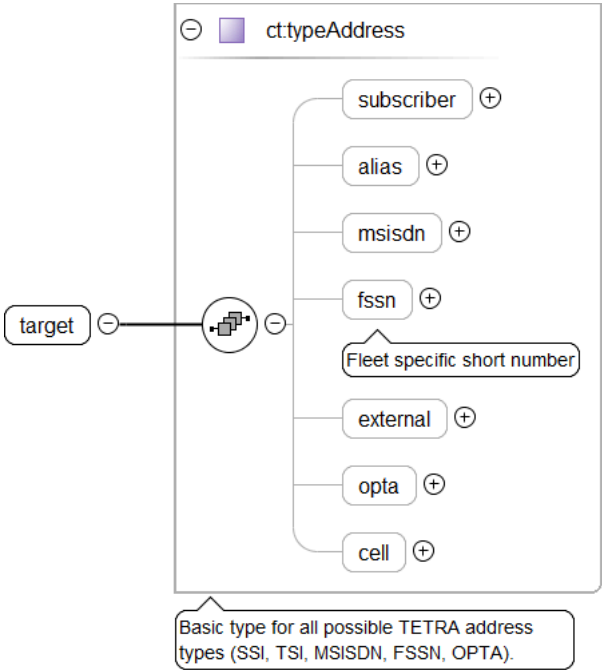
| | |
|------------|--|
| Diagram | |
| Type | xs:integer |
| Properties | content: simple minOccurs: 0 |
| Source | <code><xs:element name="hexdatalength" type="xs:integer" minOccurs="0" /></code> |

Element typesDS / source

| | |
|------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Diagram |  |
| Type | ct:typeAddress |
| Properties | content: complex minOccurs: 0 |
| Model | ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1} |
| Children | ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn, ct:opta, ct:subscriber |
| Instance | <pre> <source xmlns="DR-GW-Interface/DR-GW-SDS.CommonTypes" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:subscriber>{0,1}</ct:subscriber> <ct:alias>{0,1}</ct:alias> <ct:msisdn>{0,1}</ct:msisdn> <ct:fssn>{0,1}</ct:fssn> <ct:external>{0,1}</ct:external> <ct:opta>{0,1}</ct:opta> <ct:cell>{0,1}</ct:cell> </source> </pre> |
| Source | <code><xs:element name="source" type="ct:typeAddress" minOccurs="0" /></code> |

Element typesDS / target

| | |
|-----------|---------------------------------------|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
|-----------|---------------------------------------|

| | |
|------------|---|
| Diagram |  |
| Type | ct:typeAddress |
| Properties | content: complex |
| Model | ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1} |
| Children | ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn, ct:opta, ct:subscriber |
| Instance | <pre><target xmlns="DR-GW-Interface/DR-GW-SDS.CommonTypes" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:subscriber>{0,1}</ct:subscriber> <ct:alias>{0,1}</ct:alias> <ct:msisdn>{0,1}</ct:msisdn> <ct:fssn>{0,1}</ct:fssn> <ct:external>{0,1}</ct:external> <ct:opta>{0,1}</ct:opta> <ct:cell>{0,1}</ct:cell> </target></pre> |
| Source | <xs:element name="target" type="ct:typeAddress"/> |

Element typesDS / forward

| | |
|-----------|---------------------------------------|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
|-----------|---------------------------------------|

| | |
|------------|---|
| Diagram | <p>Basic type for all possible TETRA address types (SSI, TSI, MSISDN, FSSN, OPTA).</p> |
| Type | ct:typeAddress |
| Properties | content: complex minOccurs: 0 |
| Model | ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1} |
| Children | ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn, ct:opta, ct:subscriber |
| Instance | <pre><forward xmlns="DR-GW-Interface/DR-GW-SDS.CommonTypes" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:subscriber>{0,1}</ct:subscriber> <ct:alias>{0,1}</ct:alias> <ct:msisdn>{0,1}</ct:msisdn> <ct:fssn>{0,1}</ct:fssn> <ct:external>{0,1}</ct:external> <ct:opta>{0,1}</ct:opta> <ct:cell>{0,1}</ct:cell> </forward></pre> |
| Source | <code><xs:element name="forward" type="ct:typeAddress" minOccurs="0"/></code> |

Element typesDS / validity

| | |
|------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Diagram | <p>Validity of the SDS in case store and forward center is used. The unit is seconds. Infinite validity is represented by...</p> |
| Type | typeSDSValidity |
| Properties | content: complex minOccurs: 0 |
| Model | value |
| Children | value |
| Instance | <pre><validity xmlns="DR-GW-Interface/DR-GW-SDS.CommonTypes"> <value>{1,1}</value> </validity></pre> |
| Source | <code><xs:element name="validity" type="typeSDSValidity" minOccurs="0"/></code> |

Element typeSDSValidity / value

| | |
|------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Diagram | |
| Type | xs:unsignedLong |
| Properties | content: simple |
| Source | <code><xs:element name="value" type="xs:unsignedLong"/></code> |

Element typeSDS / tstamp

| | |
|------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple minOccurs: 0 |
| Source | <code><xs:element name="tstamp" type="xs:dateTime" minOccurs="0"/></code> |

Element typeSDS / encryption

| | |
|------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Diagram | |
| Type | xs:boolean |
| Properties | content: simple minOccurs: 0 default: true |
| Source | <code><xs:element name="encryption" type="xs:boolean" default="true" minOccurs="0"/></code> |

Element typeSDS / e2eegroup

| | |
|------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Diagram | |
| Type | ct:typeSubscriberAddress |
| Properties | content: complex minOccurs: 0 |
| Model | ct:ssi ct:tsi |
| Children | ct:ssi, ct:tsi |
| Instance | <pre><e2eegroup xmlns="DR-GW-Interface/DR-GW-SDS.CommonTypes" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:ssi>{1,1}</ct:ssi> <ct:tsi>{1,1}</ct:tsi> </e2eegroup></pre> |

| | |
|--------|---|
| | <code></e2eegroup></code> |
| Source | <code><xs:element name="e2eegroup" type="ct:typeSubscriberAddress" minOccurs="0"/></code> |

Element typeSDS / shortFormReportAllowed

| | | | | | | | |
|------------|---|----------|--------|------------|---|----------|-------|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes | | | | | | |
| Diagram | | | | | | | |
| Type | xs:boolean | | | | | | |
| Properties | <table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>default:</td><td>false</td></tr> </table> | content: | simple | minOccurs: | 0 | default: | false |
| content: | simple | | | | | | |
| minOccurs: | 0 | | | | | | |
| default: | false | | | | | | |
| Source | <code><xs:element name="shortFormReportAllowed" type="xs:boolean" default="false" minOccurs="0"/></code> | | | | | | |

Complex Type(s)

Complex Type typeSDS

| | |
|-------------|---|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Annotations | |
| Diagram | |
| Used by | Element SDS_Send/sds |
| Model | protocol{0,1} , sdsType , msgRef{0,1} , report{0,1} , sdsdata , source{0,1} , target , forward{0,1} , validity{0,1} , tstamp{0,1} , encryption{0,1} , e2eegroup{0,1} , shortFormReportAllowed{0,1} |
| Children | e2eegroup, encryption, forward, msgRef, protocol, report, sdsType, sdsdata, shortFormReportAllowed, source, target, tstamp, validity |
| Source | <pre><xs:complexType name="typeSDS"> <xs:annotation> <xs:documentation/> </xs:annotation> <xs:sequence> <xs:element name="protocol" type="xs:string" minOccurs="0"/> <xs:element name="sdsType" type="xs:string" minOccurs="0"/> <xs:element name="msgRef" type="xs:string" minOccurs="0"/> <xs:element name="report" type="xs:string" minOccurs="0"/> <xs:element name="sdsdata" type="xs:string" minOccurs="0"/> <xs:element name="source" type="xs:string" minOccurs="0"/> <xs:element name="target" type="xs:string" minOccurs="0"/> <xs:element name="forward" type="xs:string" minOccurs="0"/> <xs:element name="validity" type="xs:string" minOccurs="0"/> <xs:element name="tstamp" type="xs:string" minOccurs="0"/> <xs:element name="encryption" type="xs:string" minOccurs="0"/> <xs:element name="e2eegroup" type="ct:typeSubscriberAddress" minOccurs="0"/> <xs:element name="shortFormReportAllowed" type="xs:boolean" default="false" minOccurs="0"/> </xs:sequence> </xs:complexType></pre> |

```

</xs:annotation>
<xs:sequence>
  <xs:element name="protocol" type="xs:unsignedByte" minOccurs="0"/>
  <xs:element name="sdsType" type="typeSDSType"/>
  <xs:element name="msgRef" type="xs:unsignedByte" minOccurs="0"/>
  <xs:element name="report" type="typeReport" default="none" minOccurs="0"/>
  <xs:element name="sdsdata" type="typeSDSData"/>
  <xs:element name="source" type="ct:typeAddress" minOccurs="0"/>
  <xs:element name="target" type="ct:typeAddress"/>
  <xs:element name="forward" type="ct:typeAddress" minOccurs="0"/>
  <xs:element name="validity" type="typeSDSValidity" minOccurs="0"/>
  <xs:element name="tstamp" type="xs:dateTime" minOccurs="0"/>
  <xs:element name="encryption" type="xs:boolean" default="true" minOccurs="0"/>
  <xs:element name="e2eegroup" type="ct:typeSubscriberAddress" minOccurs="0"/>
  <xs:element name="shortFormReportAllowed" type="xs:boolean" default="false" minOccurs="0"/>
</xs:sequence>
</xs:complexType>

```

Complex Type typeSDSData

| | |
|-------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Annotations | 2 ways of encoding the SDS. When sent from DF-Client to DF-Gateway at least one node must be present, otherwise it will be discarded as not valid. When sent from DF-Gateway to DF-Client both nodes must be present, as it is unclear if the DF-Client supports the encoding inside raw "hexdata", so the readable decoded content must be present to. The default charset used within the "data" node is ISO-8859-15. |
| Diagram | |
| Used by | Element typeSDS/sdsdata |
| Model | data{0,1} , hexdata{0,1} , hexdatalength{0,1} |
| Children | data, hexdata, hexdatalength |
| Source | <pre> <xs:complexType name="typeSDSData"> <xs:annotation> <xs:documentation>2 ways of encoding the SDS. When sent from DF-Client to DF-Gateway at least one node must be present, otherwise it will be discarded as not valid. When sent from DF-Gateway to DF-Client both nodes must be present, as it is unclear if the DF-Client supports the encoding inside raw "hexdata", so the readable decoded content must be present to. The default charset used within the "data" node is ISO-8859-15.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="data" type="xs:string" minOccurs="0"/> <xs:element name="hexdata" type="xs:hexBinary" minOccurs="0"/> <xs:element name="hexdatalength" type="xs:integer" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre> |



Complex Type typeSDSValidity

| | |
|-------------|--|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
| Annotations | Validity of the SDS in case store and forward center is used. The unit is seconds. Infinte validity is represented by 0xFFFFFFFF |
| Diagram | |
| Used by | Element typeSDS/validity |
| Model | value |
| Children | value |

| | |
|--------|--|
| Source | <pre> <xs:complexType name="typeSDSValidity"> <xs:annotation> <xs:documentation>Validity of the SDS in case store and forward center is used. The unit is seconds. Infinte validity is represented by 0xFFFFFFFF</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="value" type="xs:unsignedLong"/> </xs:sequence> </xs:complexType> </pre> |
|--------|--|

Simple Type(s)

Simple Type typeSDSType

| | | | |
|-------------|---|-----------------|---------|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes | | |
| Annotations | | | |
| Diagram | <div><div> typeSDSType</div><div> xs:byte</div><div>Built-in derived type. The byte datatype is derived from short by setting the value of maxInclusive to be 127 and...</div></div> | | |
| Type | restriction of xs:byte | | |
| Facets | enumeration | 0 | SDS1. |
| | enumeration | 1 | SDS2. |
| | enumeration | 2 | SDS3. |
| | enumeration | 3 | SDS4. |
| | enumeration | 4 | SDS-TL. |
| | enumeration | 5 | Status. |
| Used by | Element | typeSDS/sdsType | |
| Source | <pre><xs:simpleType name="typeSDSType"> <xs:annotation> <xs:documentation/> </xs:annotation> <xs:restriction base="xs:byte"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>SDS1.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>SDS2.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>SDS3.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>SDS4.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4"> <xs:annotation> <xs:documentation>SDS-TL.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Status.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre> | | |

Simple Type typeReport

| | |
|-----------|---------------------------------------|
| Namespace | DR-GW-Interface/DR-GW-SDS.CommonTypes |
|-----------|---------------------------------------|

| | | | | | | | | | |
|-------------|---|-------------|------|-------------|----------|-------------|---------|-------------|------|
| Annotations | | | | | | | | | |
| Diagram | | | | | | | | | |
| Type | restriction of xs:normalizedString | | | | | | | | |
| Facets | <table> <tr> <td>enumeration</td><td>none</td></tr> <tr> <td>enumeration</td><td>delivery</td></tr> <tr> <td>enumeration</td><td>consume</td></tr> <tr> <td>enumeration</td><td>both</td></tr> </table> | enumeration | none | enumeration | delivery | enumeration | consume | enumeration | both |
| enumeration | none | | | | | | | | |
| enumeration | delivery | | | | | | | | |
| enumeration | consume | | | | | | | | |
| enumeration | both | | | | | | | | |
| Used by | Element typeSDS/report | | | | | | | | |
| Source | <pre> <xs:simpleType name="typeReport"> <xs:annotation> <xs:documentation/> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="none"/> <xs:enumeration value="delivery"/> <xs:enumeration value="consume"/> <xs:enumeration value="both"/> </xs:restriction> </xs:simpleType> </pre> | | | | | | | | |

Namespace: "DR-GW-Interface/CommonTypes"

Schema(s)

Imported schema CommonTypes.xsd

| | | | | | |
|-------------------------|--|-------------------------|-------------|-----------------------|-----------|
| Namespace | DR-GW-Interface/CommonTypes | | | | |
| Annotations | Version 1.2 | | | | |
| Properties | <table> <tr> <td>attribute form default:</td><td>unqualified</td></tr> <tr> <td>element form default:</td><td>qualified</td></tr> </table> | attribute form default: | unqualified | element form default: | qualified |
| attribute form default: | unqualified | | | | |
| element form default: | qualified | | | | |

Element(s)

Element ct:request / ct:requestId

| | |
|------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |
| Type | xs:unsignedLong |
| Properties | content: simple |
| Source | <pre> <xs:element name="requestId" type="xs:unsignedLong"/> </pre> |

Element ct:typeAddress / ct:subscriber

| | |
|-----------|-----------------------------|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |

| | |
|------------|--|
| Type | ct:typeSubscriberAddress |
| Properties | content: complex |
| | minOccurs: 0 |
| Model | ct:ssi ct:tsi |
| Children | ct:ssi, ct:tsi |
| Instance | <pre><ct:subscriber xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:ssi>{1,1}</ct:ssi> <ct:tsi>{1,1}</ct:tsi> </ct:subscriber></pre> |
| Source | <pre><xs:element name="subscriber" type="ct:typeSubscriberAddress" minOccurs="0"/></pre> |

Element ct:typeSubscriberAddress / ct:ssi

| | |
|------------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | <p>Built-in derived type. The unsignedLong datatype is derived from nonNegativeInteger by setting the value of...</p> |
| Type | xs:unsignedLong |
| Properties | content: simple |
| Source | <pre><xs:element name="ssi" type="xs:unsignedLong"/></pre> |

Element ct:typeSubscriberAddress / ct:tsi

| | |
|------------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | <p>Basic type for TETRA subscriber identity containing Network code(MNC) and Country code(MCC).</p> |
| Type | ct:typeTSI |
| Properties | content: complex |
| Model | ct:mnc , ct:mcc , ct:ssi |
| Children | ct:mcc, ct:mnc, ct:ssi |
| Instance | <pre><ct:tsi xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:mnc>{1,1}</ct:mnc> <ct:mcc>{1,1}</ct:mcc> <ct:ssi>{1,1}</ct:ssi> </ct:tsi></pre> |
| Source | <pre><xs:element name="tsi" type="ct:typeTSI"/></pre> |

Element ct:typeTSI / ct:mnc

| | |
|-----------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | <p>Built-in derived type. The unsignedShort datatype is derived from unsignedInt by setting the value of maxInclusive to...</p> |

| | |
|------------|---|
| Type | xs:unsignedShort |
| Properties | content: simple |
| Source | <code><xs:element name="mnc" type="xs:unsignedShort"/></code> |

Element `ct:typeTSI` / `ct:mcc`

| | |
|------------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |
| Type | xs:unsignedShort |
| Properties | content: simple |
| Source | <code><xs:element name="mcc" type="xs:unsignedShort"/></code> |

Element `ct:typeTSI` / `ct:ssi`

| | |
|------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |
| Type | xs:unsignedLong |
| Properties | content: simple |
| Source | <code><xs:element name="ssi" type="xs:unsignedLong"/></code> |

Element `ct:typeAddress` / `ct:alias`

| | |
|------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |
| Type | xs:normalizedString |
| Properties | content: simple minOccurs: 0 |
| Source | <code><xs:element name="alias" type="xs:normalizedString" minOccurs="0"/></code> |

Element `ct:typeAddress` / `ct:msisdn`

| | |
|------------|---------------------------------|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |
| Type | ct:typeDialString |
| Properties | content: simple minOccurs: 0 |
| Facets | maxLength 24 |

| | |
|--------|---|
| Source | <code><xs:element name="msisdn" type="ct:typeDialString" minOccurs="0"/></code> |
|--------|---|

Element `ct:typeAddress` / `ct:fssn`

| | |
|-------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | Fleet specific short number |
| Diagram | |
| Type | xs:unsignedLong |
| Properties | content: simple minOccurs: 0 |
| Source | <pre><xs:element name="fssn" type="xs:unsignedLong" minOccurs="0"> <xs:annotation> <xs:documentation>Fleet specific short number</xs:documentation> </xs:annotation> </xs:element></pre> |

Element `ct:typeAddress` / `ct:external`

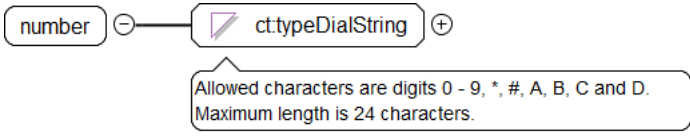
| | |
|------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |
| Type | ct:typeExternal |
| Properties | content: complex minOccurs: 0 |
| Model | ct:gatewayNumber , ct:number |
| Children | ct:gatewayNumber, ct:number |
| Instance | <pre><ct:external xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:gatewayNumber>{1,1}</ct:gatewayNumber> <ct:number>{1,1}</ct:number> </ct:external></pre> |
| Source | <code><xs:element name="external" type="ct:typeExternal" minOccurs="0"/></code> |

Element `ct:typeExternal` / `ct:gatewayNumber`

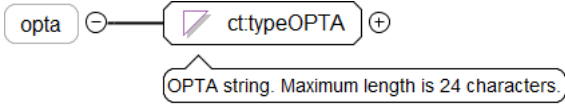
| | |
|------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |
| Type | xs:unsignedLong |
| Properties | content: simple |
| Source | <code><xs:element name="gatewayNumber" type="xs:unsignedLong"/></code> |

Element `ct:typeExternal` / `ct:number`

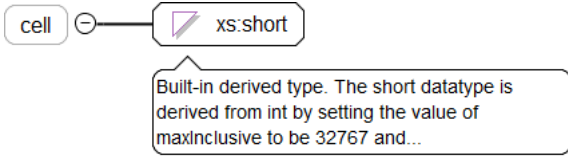
| | |
|-----------|-----------------------------|
| Namespace | DR-GW-Interface/CommonTypes |
|-----------|-----------------------------|

| | |
|------------|---|
| Diagram |  |
| Type | ct:typeDialString |
| Properties | content: simple |
| Facets | maxLength 24 |
| Source | <code><xs:element name="number" type="ct:typeDialString" /></code> |


Element ct:typeAddress / ct:opta

| | |
|------------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram |  |
| Type | ct:typeOPTA |
| Properties | content: simple |
| | minOccurs: 0 |
| Facets | maxLength 24 |
| Source | <code><xs:element name="opta" type="ct:typeOPTA" minOccurs="0" /></code> |

Element ct:typeAddress / ct:cell


| | |
|------------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram |  |
| Type | xs:short |
| Properties | content: simple |
| | minOccurs: 0 |
| Source | <code><xs:element name="cell" type="xs:short" minOccurs="0" /></code> |

Element ct:typeResult / ct:responseCode

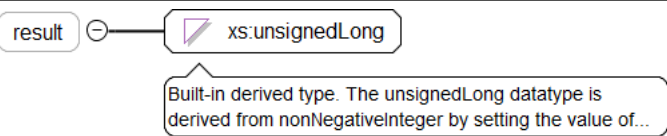
| | |
|------------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram |  |
| Type | ct:typeResponseCode |
| Properties | content: simple |
| Facets | enumeration success |
| | enumeration final_response_pending |
| | enumeration error |
| | enumeration not_authorized_error |
| | enumeration temporary_failure |
| | enumeration subscription_failed |
| Source | <code><xs:element name="responseCode" type="ct:typeResponseCode" /></code> |

Element ct:typeResult / ct:sourceSystem

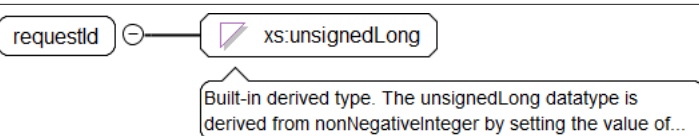
| | |
|-----------|-----------------------------|
| Namespace | DR-GW-Interface/CommonTypes |
|-----------|-----------------------------|

| | | | | | | | | | |
|-------------|---|-------------|--------|-------------|---------|-------------|-------|-------------|--------------|
| Diagram |  | | | | | | | | |
| Type | ct:typeSourceSystem | | | | | | | | |
| 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>enumeration</td><td>DR-GW</td></tr> <tr> <td>enumeration</td><td>TCS-API</td></tr> <tr> <td>enumeration</td><td>TETRA</td></tr> <tr> <td>enumeration</td><td>TACTILON-API</td></tr> </table> | enumeration | DR-GW | enumeration | TCS-API | enumeration | TETRA | enumeration | TACTILON-API |
| enumeration | DR-GW | | | | | | | | |
| enumeration | TCS-API | | | | | | | | |
| enumeration | TETRA | | | | | | | | |
| enumeration | TACTILON-API | | | | | | | | |
| Source | <code><xs:element name="sourceSystem" type="ct:typeSourceSystem" minOccurs="0"/></code> | | | | | | | | |

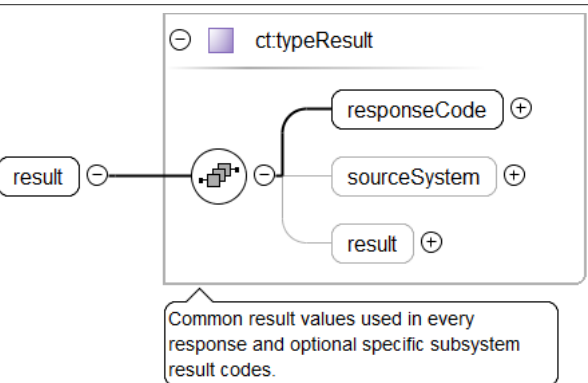
Element ct:typeResult / ct:result

| | | | | | |
|------------|---|----------|--------|------------|---|
| Namespace | DR-GW-Interface/CommonTypes | | | | |
| Diagram |  | | | | |
| Type | xs:unsignedLong | | | | |
| 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 | | | | |
| Source | <code><xs:element name="result" type="xs:unsignedLong" minOccurs="0"/></code> | | | | |

Element ct:typeResponse / ct:requestId

| | | | |
|------------|--|----------|--------|
| Namespace | DR-GW-Interface/CommonTypes | | |
| Diagram |  | | |
| Type | xs:unsignedLong | | |
| Properties | <table> <tr> <td>content:</td><td>simple</td></tr> </table> | content: | simple |
| content: | simple | | |
| Source | <code><xs:element name="requestId" type="xs:unsignedLong"/></code> | | |

Element ct:typeResponse / ct:result

| | | | |
|------------|---|----------|---------|
| Namespace | DR-GW-Interface/CommonTypes | | |
| Diagram |  | | |
| Type | ct:typeResult | | |
| Properties | <table> <tr> <td>content:</td><td>complex</td></tr> </table> | content: | complex |
| content: | complex | | |
| Model | ct:responseCode , ct:sourceSystem{0,1} , ct:result{0,1} | | |

| | |
|----------|---|
| Children | ct:responseCode, ct:result, ct:sourceSystem |
| Instance | <pre><ct:result xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:responseCode>{1,1}</ct:responseCode> <ct:sourceSystem>{0,1}</ct:sourceSystem> <ct:result>{0,1}</ct:result> </ct:result></pre> |
| Source | <pre><xs:element name="result" type="ct:typeResult"/></pre> |

Element ct:typeEvent / ct:requestId

| | | | | | |
|------------|---|----------|--------|------------|---|
| Namespace | DR-GW-Interface/CommonTypes | | | | |
| Diagram | | | | | |
| Type | xs:unsignedLong | | | | |
| 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 | | | | |
| Source | <pre><xs:element name="requestId" type="xs:unsignedLong" minOccurs="0"/></pre> | | | | |

Element ct:typeEvent / ct:result

| | | | | | |
|------------|---|----------|---------|------------|---|
| Namespace | DR-GW-Interface/CommonTypes | | | | |
| Diagram | | | | | |
| Type | ct:typeResult | | | | |
| Properties | <table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table> | content: | complex | minOccurs: | 0 |
| content: | complex | | | | |
| minOccurs: | 0 | | | | |
| Model | ct:responseCode , ct:sourceSystem{0,1} , ct:result{0,1} | | | | |
| Children | ct:responseCode, ct:result, ct:sourceSystem | | | | |
| Instance | <pre><ct:result xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:responseCode>{1,1}</ct:responseCode> <ct:sourceSystem>{0,1}</ct:sourceSystem> <ct:result>{0,1}</ct:result> </ct:result></pre> | | | | |
| Source | <pre><xs:element name="result" type="ct:typeResult" minOccurs="0"/></pre> | | | | |

Complex Type(s)

Complex Type ct:typeRequest

| | |
|-----------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |
| Used by | Elements SDS_Send, SDS_SendReport, SDS_SendShortFormReport |
| Model | ct:requestId |
| Children | ct:requestId |

| | |
|--------|---|
| Source | <pre> <xs:complexType name="typeRequest"> <xs:sequence> <xs:element name="requestId" type="xs:unsignedLong"/> </xs:sequence> </xs:complexType> </pre> |
|--------|---|

Complex Type ct:typeAddress

| | |
|-------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | Basic type for all possible TETRA address types (SSI, TSI, MSISDN, FSSN, OPTA). |
| Diagram | |
| Used by | Elements SDS_SendReport/source, SDS_SendReport/target, SDS_SendShortFormReport/source, SDS_SendShortFormReport/target, typeSDS/forward, typeSDS/source, typeSDS/target |
| Model | ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1} |
| Children | ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn, ct:opta, ct:subscriber |
| Source | <pre> <xs:complexType name="typeAddress"> <xs:annotation> <xs:documentation>Basic type for all possible TETRA address types (SSI, TSI, MSISDN, FSSN, OPTA).</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="subscriber" type="ct:typeSubscriberAddress" minOccurs="0"/> <xs:element name="alias" type="xs:normalizedString" minOccurs="0"/> <xs:element name="msisdn" type="ct:typeDialString" minOccurs="0"/> <xs:element name="fssn" type="xs:unsignedLong" minOccurs="0"> <xs:annotation> <xs:documentation>Fleet specific short number</xs:documentation> </xs:annotation> </xs:element> <xs:element name="external" type="ct:typeExternal" minOccurs="0"/> <xs:element name="opta" type="ct:typeOPTA" minOccurs="0"/> <xs:element name="cell" type="xs:short" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre> |

Complex Type ct:typeSubscriberAddress

| | |
|-------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | |
| Diagram | |
| Used by | Elements ct:typeAddress/ct:subscriber, typeSDS/e2eegroup |
| Model | ct:ssi ct:tsi |
| Children | ct:ssi, ct:tsi |
| Source | <pre> <xs:complexType name="typeSubscriberAddress"> <xs:annotation> </pre> |

```

</xs:documentation/>
</xs:annotation>
<xs:choice>
  <xs:element name="ssi" type="xs:unsignedLong" />
  <xs:element name="tsi" type="ct:typeTSI" />
</xs:choice>
</xs:complexType>

```

Complex Type ct:typeTSI

| | |
|-------------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | Basic type for TETRA subscriber identity containing Network code(MNC) and Country code(MCC). |
| Diagram | <p>Basic type for TETRA subscriber identity containing Network code(MNC) and Country code(MCC).</p> |
| Used by | Element ct:typeSubscriberAddress/ct:tsi |
| Model | ct:mnc , ct:mcc , ct:ssi |
| Children | ct:mcc, ct:mnc, ct:ssi |
| Source | <pre> <xs:complexType name="typeTSI"> <xs:annotation> <xs:documentation>Basic type for TETRA subscriber identity containing Network code(MNC) and Country code(MCC).</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="mnc" type="xs:unsignedShort" /> <xs:element name="mcc" type="xs:unsignedShort" /> <xs:element name="ssi" type="xs:unsignedLong" /> </xs:sequence> </xs:complexType> </pre> |

Complex Type ct:typeExternal

| | |
|-------------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | External number consisting of Gateway number + DialString |
| Diagram | <p>External number consisting of Gateway number + DialString</p> |
| Used by | Element ct:typeAddress/ct:external |
| Model | ct:gatewayNumber , ct:number |
| Children | ct:gatewayNumber, ct:number |
| Source | <pre> <xs:complexType name="typeExternal"> <xs:annotation> <xs:documentation>External number consisting of Gateway number + DialString</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="gatewayNumber" type="xs:unsignedLong" /> <xs:element name="number" type="ct:typeDialString" /> </xs:sequence> </xs:complexType> </pre> |

Complex Type ct:typeResult

| | |
|-------------|---|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | Common result values used in every response and optional specific subsystem result codes. |

| | |
|----------|---|
| Diagram | <p>Common result values used in every response and optional specific subsystem result codes.</p> |
| Used by | Elements <code>ct:typeEvent/ct:result</code> , <code>ct:typeResponse/ct:result</code> |
| Model | <code>ct:responseCode</code> , <code>ct:sourceSystem</code> {0,1} , <code>ct:result</code> {0,1} |
| Children | <code>ct:responseCode</code> , <code>ct:result</code> , <code>ct:sourceSystem</code> |
| Source | <pre> <xs:complexType name="typeResult"> <xs:annotation> <xs:documentation>Common result values used in every response and optional specific subsystem result codes.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="responseCode" type="ct:typeResponseCode"/> <xs:element name="sourceSystem" type="ct:typeSourceSystem" minOccurs="0"/> <xs:element name="result" type="xs:unsignedLong" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre> |

Complex Type `ct:typeResponse`

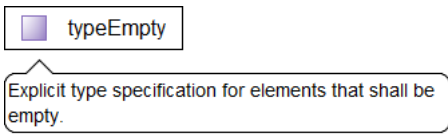
| | |
|-------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | Response contains result of execution of any method. |
| Diagram | <p>Response contains result of execution of any method.</p> |
| Model | <code>ct:requestId</code> , <code>ct:result</code> |
| Children | <code>ct:requestId</code> , <code>ct:result</code> |
| Source | <pre> <xs:complexType name="typeResponse"> <xs:annotation> <xs:documentation>Response contains result of execution of any method.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="requestId" type="xs:unsignedLong"/> <xs:element name="result" type="ct:typeResult"/> </xs:sequence> </xs:complexType> </pre> |

Complex Type `ct:typeEvent`

| | |
|-----------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Diagram | |
| Model | <code>ct:requestId</code> {0,1} , <code>ct:result</code> {0,1} |
| Children | <code>ct:requestId</code> , <code>ct:result</code> |
| Source | <pre> <xs:complexType name="typeEvent"> <xs:sequence> <xs:element name="requestId" type="xs:unsignedLong" minOccurs="0"/> <xs:element name="result" type="ct:typeResult" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre> |

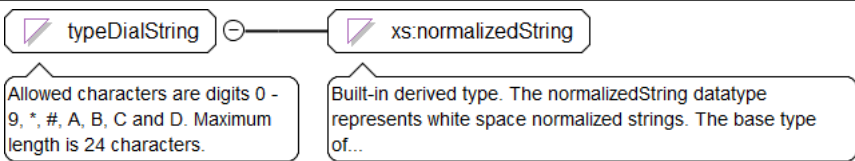
Complex Type `ct:typeEmpty`

| | |
|-----------|-----------------------------|
| Namespace | DR-GW-Interface/CommonTypes |
|-----------|-----------------------------|

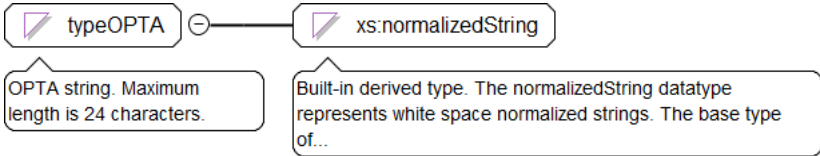
| | |
|-------------|--|
| Annotations | Explicit type specification for elements that shall be empty. |
| Diagram |  <p>Explicit type specification for elements that shall be empty.</p> |
| Source | <pre><xs:complexType name="typeEmpty"> <xs:annotation> <xs:documentation>Explicit type specification for elements that shall be empty.</ </xs:annotation> </xs:complexType></pre> |

Simple Type(s)

Simple Type ct:typeDialString

| | |
|-------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | Allowed characters are digits 0 - 9, *, #, A, B, C and D. Maximum length is 24 characters. |
| Diagram |  <p>Allowed characters are digits 0 - 9, *, #, A, B, C and D. Maximum length is 24 characters.</p> <p>Built-in derived type. The normalizedString datatype represents white space normalized strings. The base type of...</p> |
| Type | restriction of xs:normalizedString |
| Facets | maxLength 24 |
| Used by | Elements ct:typeAddress/ct:msisdn, ct:typeExternal/ct:number |
| Source | <pre><xs:simpleType name="typeDialString"> <xs:annotation> <xs:documentation>Allowed characters are digits 0 - 9, *, #, A, B, C and D. Maximum length is 24 </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:maxLength value="24"/> </xs:restriction> </xs:simpleType></pre> |

Simple Type ct:typeOPTA

| | |
|-------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | OPTA string. Maximum length is 24 characters. |
| Diagram |  <p>OPTA string. Maximum length is 24 characters.</p> <p>Built-in derived type. The normalizedString datatype represents white space normalized strings. The base type of...</p> |
| Type | restriction of xs:normalizedString |
| Facets | maxLength 24 |
| Used by | Element ct:typeAddress/ct:opta |
| Source | <pre><xs:simpleType name="typeOPTA"> <xs:annotation> <xs:documentation>OPTA string. Maximum length is 24 characters.</xs:documentation> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:maxLength value="24"/> </xs:restriction> </xs:simpleType></pre> |

Simple Type ct:typeResponseCode

| | |
|-----------|-----------------------------|
| Namespace | DR-GW-Interface/CommonTypes |
|-----------|-----------------------------|

| | | | | | | | | | | | | | |
|-------------|---|-------------|---------|-------------|------------------------|-------------|-------|-------------|----------------------|-------------|-------------------|-------------|---------------------|
| Diagram | | | | | | | | | | | | | |
| Type | restriction of xs:normalizedString | | | | | | | | | | | | |
| Facets | <table border="1"> <tr><td>enumeration</td><td>success</td></tr> <tr><td>enumeration</td><td>final_response_pending</td></tr> <tr><td>enumeration</td><td>error</td></tr> <tr><td>enumeration</td><td>not_authorized_error</td></tr> <tr><td>enumeration</td><td>temporary_failure</td></tr> <tr><td>enumeration</td><td>subscription_failed</td></tr> </table> | enumeration | success | enumeration | final_response_pending | enumeration | error | enumeration | not_authorized_error | enumeration | temporary_failure | enumeration | subscription_failed |
| enumeration | success | | | | | | | | | | | | |
| enumeration | final_response_pending | | | | | | | | | | | | |
| enumeration | error | | | | | | | | | | | | |
| enumeration | not_authorized_error | | | | | | | | | | | | |
| enumeration | temporary_failure | | | | | | | | | | | | |
| enumeration | subscription_failed | | | | | | | | | | | | |
| Used by | Element ct:typeResult/ct:responseCode | | | | | | | | | | | | |
| Source | <pre> <xs:simpleType name="typeResponseCode"> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="success"/> <xs:enumeration value="final_response_pending"/> <xs:enumeration value="error"/> <xs:enumeration value="not_authorized_error"/> <xs:enumeration value="temporary_failure"/> <xs:enumeration value="subscription_failed"/> </xs:restriction> </xs:simpleType> </pre> | | | | | | | | | | | | |

Simple Type ct:typeSourceSystem

| | | | | | | | | | |
|-------------|--|-------------|-------|-------------|---------|-------------|-------|-------------|--------------|
| Namespace | DR-GW-Interface/CommonTypes | | | | | | | | |
| Diagram | | | | | | | | | |
| Type | restriction of xs:normalizedString | | | | | | | | |
| Facets | <table border="1"> <tr><td>enumeration</td><td>DR-GW</td></tr> <tr><td>enumeration</td><td>TCS-API</td></tr> <tr><td>enumeration</td><td>TETRA</td></tr> <tr><td>enumeration</td><td>TACTILON-API</td></tr> </table> | enumeration | DR-GW | enumeration | TCS-API | enumeration | TETRA | enumeration | TACTILON-API |
| enumeration | DR-GW | | | | | | | | |
| enumeration | TCS-API | | | | | | | | |
| enumeration | TETRA | | | | | | | | |
| enumeration | TACTILON-API | | | | | | | | |
| Used by | Element ct:typeResult/ct:sourceSystem | | | | | | | | |
| Source | <pre> <xs:simpleType name="typeSourceSystem"> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="DR-GW"/> <xs:enumeration value="TCS-API"/> <xs:enumeration value="TETRA"/> <xs:enumeration value="TACTILON-API"/> </xs:restriction> </xs:simpleType> </pre> | | | | | | | | |

Simple Type ct:typeAddressingStyle

| | |
|-------------|--|
| Namespace | DR-GW-Interface/CommonTypes |
| Annotations | Describes the IP addressing style. Unicast or multicast. |
| Diagram | |
| Type | restriction of xs:normalizedString |

| | |
|--------|---|
| Facets | enumeration ucast |
| | enumeration mcast |
| Source | <pre><xs:simpleType name="typeAddressingStyle"> <xs:annotation> <xs:documentation>Describes the IP addressing style. Unicast or multicast.</xs:documentation> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="ucast"/> <xs:enumeration value="mcast"/> </xs:restriction> </xs:simpleType></pre> |