Schema documentation for CommonTypes.xsd

november 5, 2024

Table of Contents

Namespace: "DR-GW-Interface/CommonTypes"

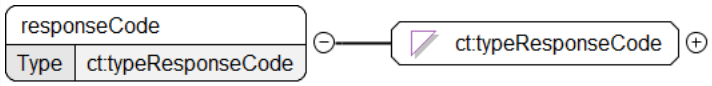
Schema(s)

Main schema `CommonTypes.xsd`

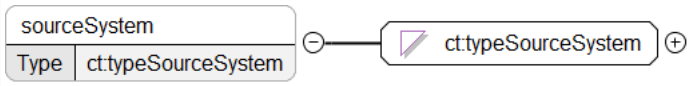
Namespace	DR-GW-Interface/CommonTypes
Annotations	`Version 1.2`
Properties	attribute form default: `unqualified` element form default: `qualified`

Element(s)

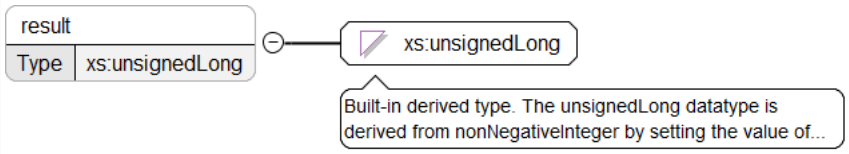
Element `ct:typeResult / ct:responseCode`

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	`<xs:element name="responseCode" type="ct:typeResponseCode"/>`

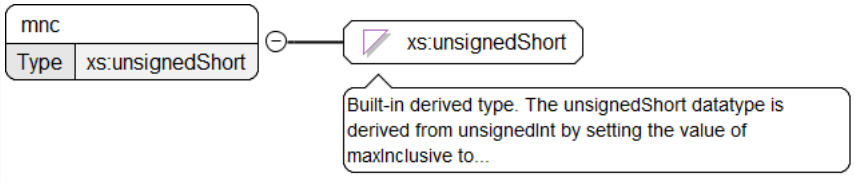
Element `ct:typeResult / ct:sourceSystem`

Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeSourceSystem
Properties	content: `simple` minOccurs: `0`
Facets	enumeration `DR-GW` enumeration `TCS-API` enumeration `TETRA` enumeration `TACTILON-API`
Source	`<xs:element name="sourceSystem" type="ct:typeSourceSystem" minOccurs="0"/>`

Element `ct:typeResult / ct:result`

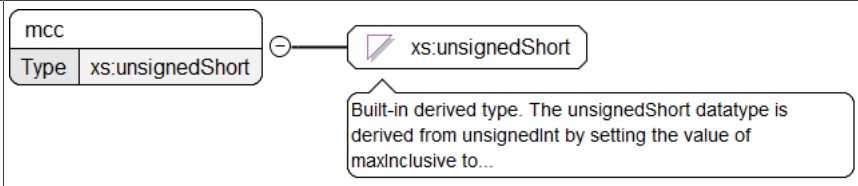
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	xs:unsignedLong
Properties	content: `simple` minOccurs: `0`
Source	`<xs:element name="result" type="xs:unsignedLong" minOccurs="0"/>`

Element `ct:typeTSI / ct:mnc`

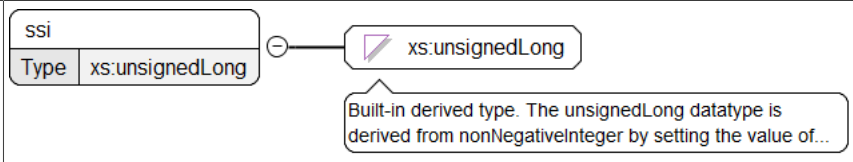
Namespace	DR-GW-Interface/CommonTypes
Diagram	

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

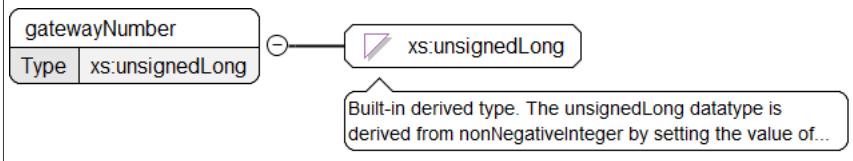
Element ct:typeTSI / ct:mcc

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

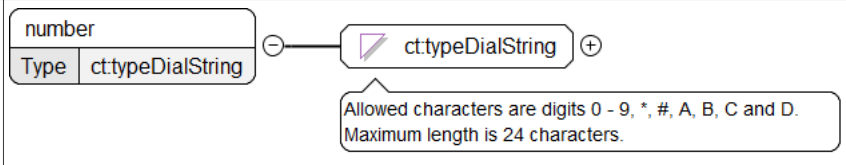
Element ct:typeTSI / ct:ssi

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

Element ct:typeExternal / ct:gatewayNumber

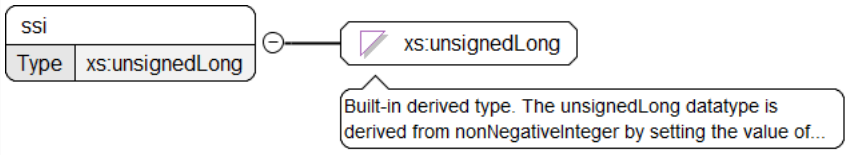
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	xs:unsignedLong
Properties	content: simple
Source	`<xs:element name="gatewayNumber" type="xs:unsignedLong"/>`

Element ct:typeExternal / ct:number

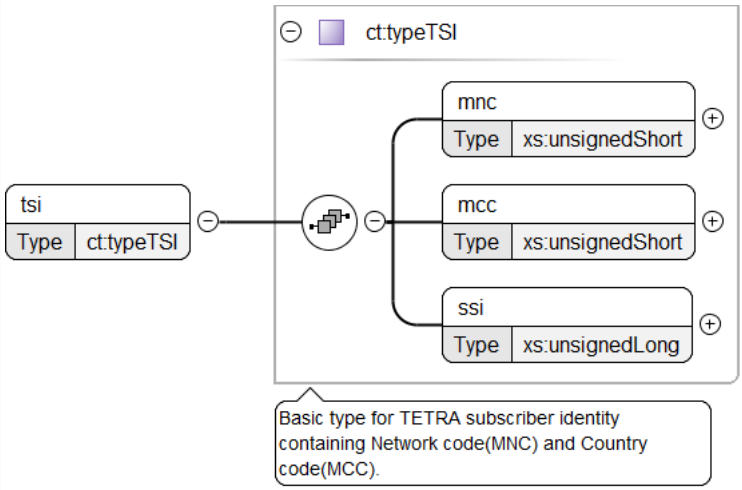
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeDialString
Properties	content: simple
Facets	maxLength 24

Source	`<xs:element name="number" type="ct:typeDialString"/>`

Element `ct:typeSubscriberAddress / ct:ssi`

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

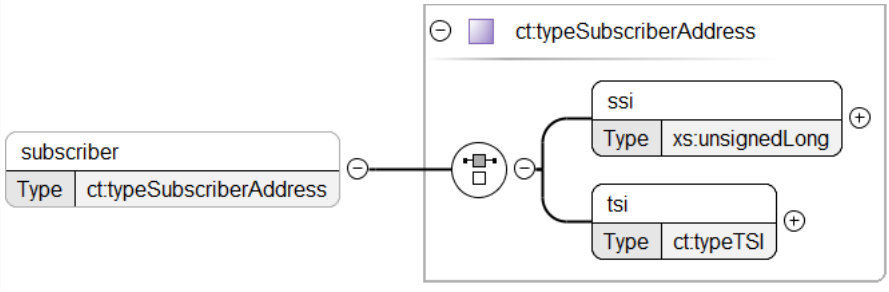
Element `ct:typeSubscriberAddress / ct:tsi`

Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeTSI
Properties	content: complex
Model	ct:mnc , ct:mcc , ct:ssi
Children	ct:mcc, ct:mnc, ct:ssi

Instance	`<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>`

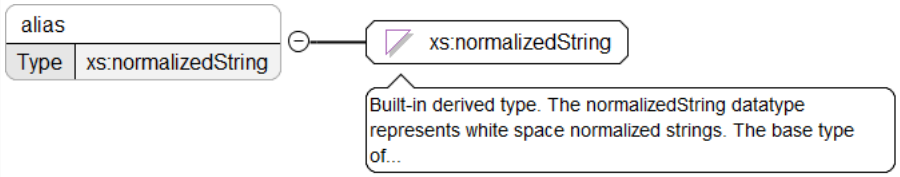
Source	`<xs:element name="tsi" type="ct:typeTSI"/>`

Element `ct:typeAddress / ct:subscriber`

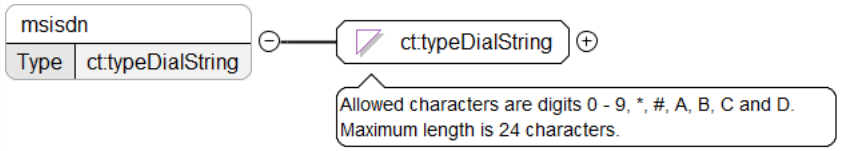
Namespace	DR-GW-Interface/CommonTypes
Diagram	

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

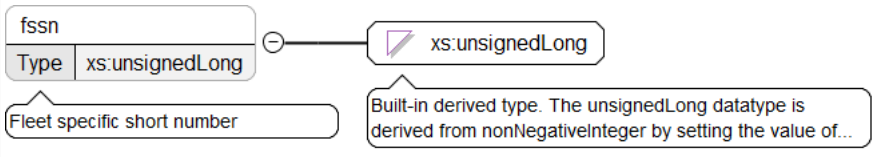
Element ct:typeAddress / ct:alias

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

Element ct:typeAddress / ct:msisdn

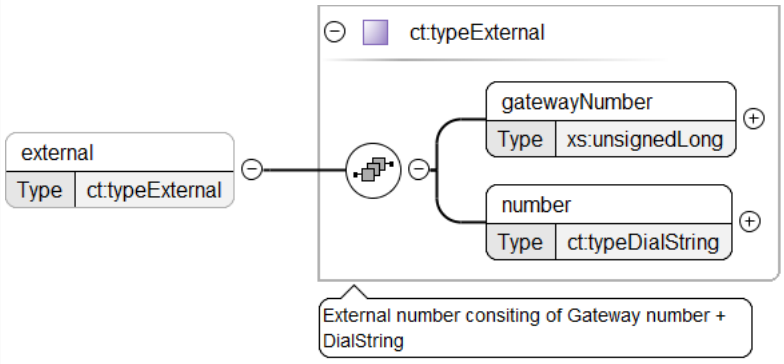
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeDialString
Properties	content: simple minOccurs: 0
Facets	maxLength 24
Source	<xs:element name="msisdn" type="ct:typeDialString" minOccurs="0"/>

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	<xs:element name="fssn" type="xs:unsignedLong" minOccurs="0"> <xs:annotation> <xs:documentation>Fleet specific short number</xs:documentation>

```
  </xs:annotation>
</xs:element>
```

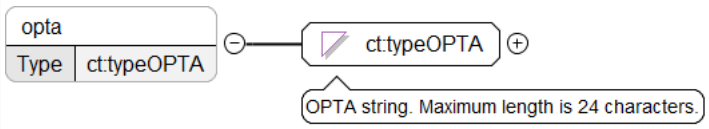
Element ct:typeAddress / ct:external

Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeExternal
Properties	content: complex minOccurs: 0
Model	ct:gatewayNumber , ct:number
Children	ct:gatewayNumber, ct:number

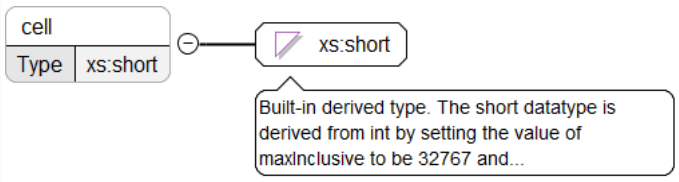
Instance	`<ct:external xmlns:ct="DR-GW-Interface/CommonTypes">`
	`  <ct:gatewayNumber>{1,1}</ct:gatewayNumber>`
	`  <ct:number>{1,1}</ct:number>`
	`</ct:external>`

Source	`<xs:element name="external" type="ct:typeExternal" minOccurs="0"/>`

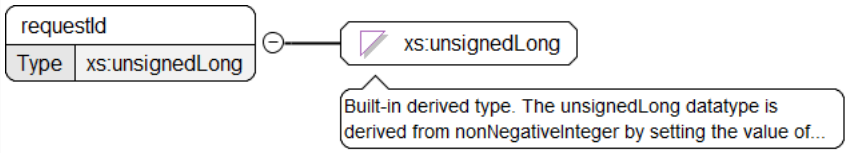
Element ct:typeAddress / ct:opta

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

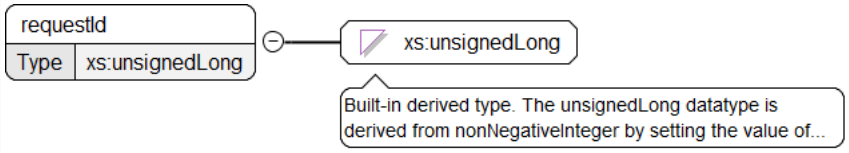
Element ct:typeAddress / ct:cell

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

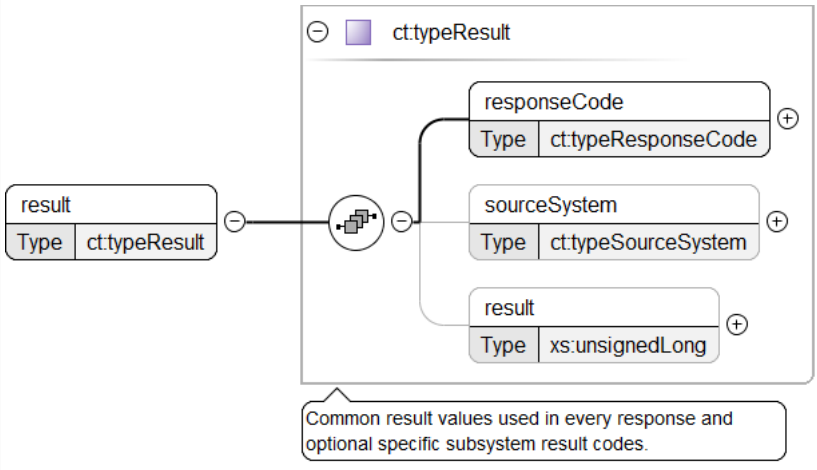
Element ct:typeRequest / ct:requestId

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

Element ct:typeResponse / ct:requestId

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

Element ct:typeResponse / ct:result

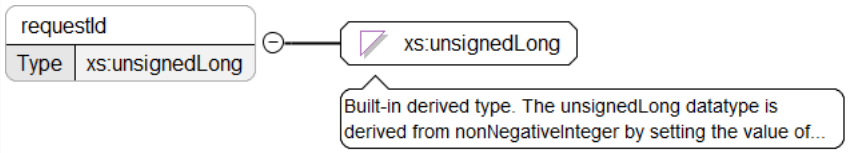
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeResult
Properties	content: complex
Model	ct:responseCode , ct:sourceSystem{0,1} , ct:result{0,1}
Children	ct:responseCode, ct:result, ct:sourceSystem

Instance	`<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>`

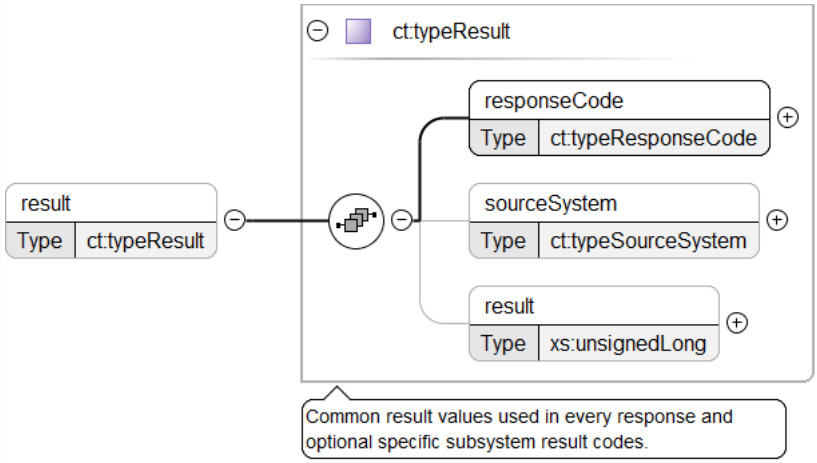
Source	`<xs:element name="result" type="ct:typeResult"/>`

Element ct:typeEvent / ct:requestId

Namespace	DR-GW-Interface/CommonTypes

Diagram	
Type	xs:unsignedLong
Properties	content: simple minOccurs: 0
Source	`<xs:element name="requestId" type="xs:unsignedLong" minOccurs="0"/>`

Element `ct:typeEvent / ct:result`

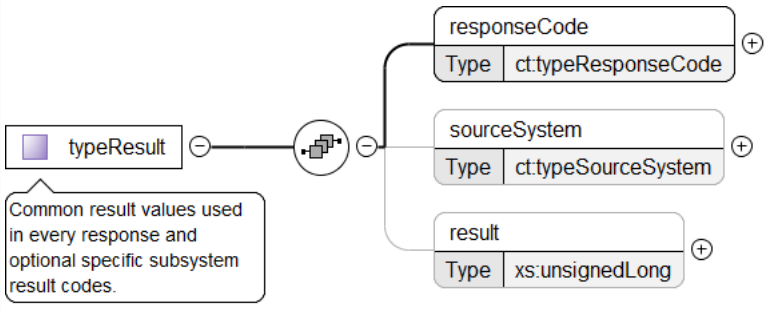
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeResult
Properties	content: complex minOccurs: 0
Model	ct:responseCode , ct:sourceSystem{0,1} , ct:result{0,1}
Children	ct:responseCode, ct:result, ct:sourceSystem

Instance	`<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>`

Source	`<xs:element name="result" type="ct:typeResult" minOccurs="0"/>`

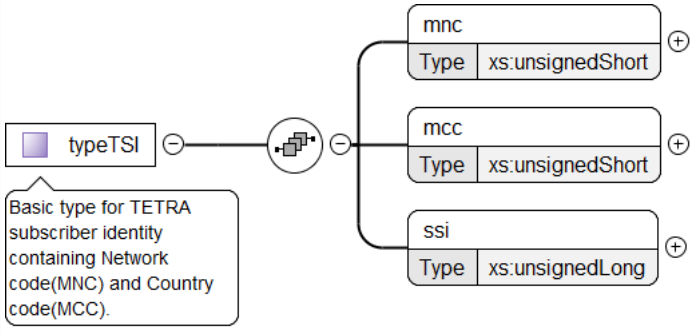
Complex Type(s)

Complex Type `ct:typeResult`

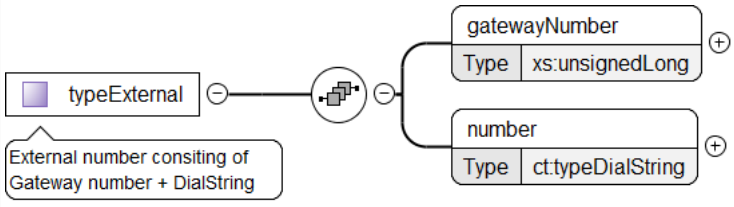
Namespace	DR-GW-Interface/CommonTypes
Annotations	Common result values used in every response and optional specific subsystem result codes.
Diagram	

Used by	Elements ct:typeEvent/ct:result, ct:typeResponse/ct:result
Model	ct:responseCode , ct:sourceSystem{0,1} , ct:result{0,1}
Children	ct:responseCode, ct:result, ct:sourceSystem
Source	<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>

Complex Type `ct:typeTSI`

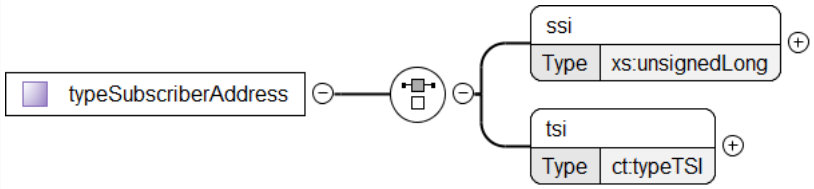
Namespace	DR-GW-Interface/CommonTypes
Annotations	Basic type for TETRA subscriber identity containing Network code(MNC) and Country code(MCC).
Diagram	
Used by	Element ct:typeSubscriberAddress/ct:tsi
Model	ct:mnc , ct:mcc , ct:ssi
Children	ct:mcc, ct:mnc, ct:ssi
Source	<xs:complexType name="typeTSI">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

Complex Type `ct:typeExternal`

Namespace	DR-GW-Interface/CommonTypes
Annotations	External number consiting of Gateway number + DialString
Diagram	
Used by	Element ct:typeAddress/ct:external
Model	ct:gatewayNumber , ct:number
Children	ct:gatewayNumber, ct:number
Source	<xs:complexType name="typeExternal"> <xs:annotation> <xs:documentation>External number consiting of Gateway number + DialString</xs:documentation> </xs:annotation>

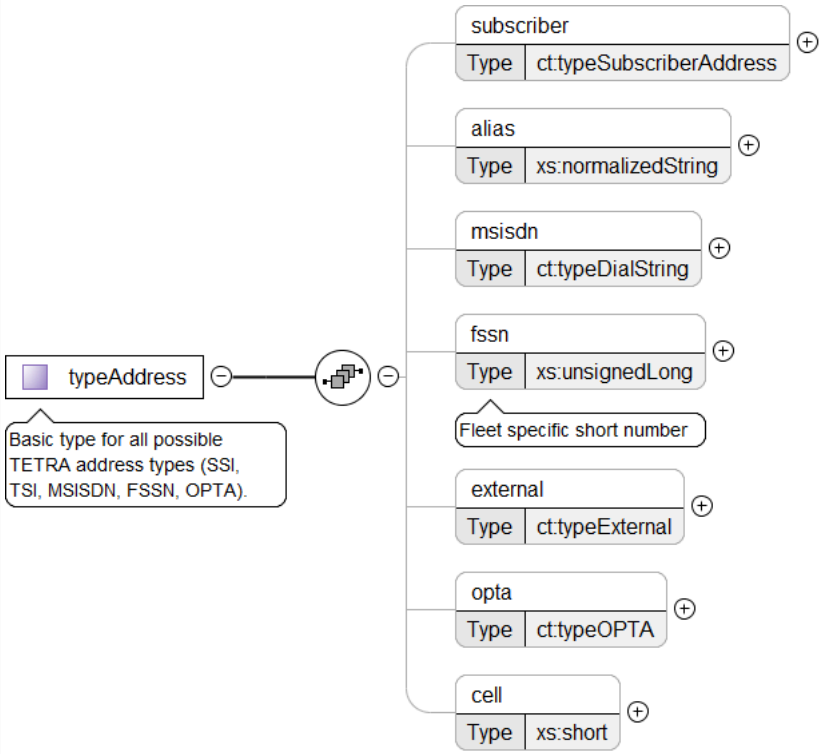
```
  <xs:sequence>
    <xs:element name="gatewayNumber" type="xs:unsignedLong"/>
    <xs:element name="number" type="ct:typeDialString"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type `ct:typeSubscriberAddress`

Namespace	DR-GW-Interface/CommonTypes
Annotations	
Diagram	
Used by	Element ct:typeAddress/ct:subscriber
Model	ct:ssi | ct:tsi
Children	ct:ssi, ct:tsi

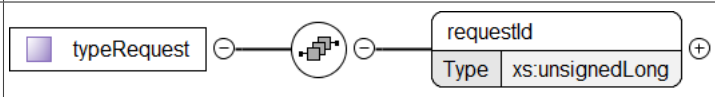
Source	`<xs:complexType name="typeSubscriberAddress">`
	`  <xs:annotation>`
	`  <xs:documentation/>`
	`  </xs:annotation>`
	`  <xs:choice>`
	`  <xs:element name="ssi" type="xs:unsignedLong"/>`
	`  <xs:element name="tsi" type="ct:typeTSI"/>`
	`  </xs:choice>`
	`</xs:complexType>`

Complex Type `ct:typeAddress`

Namespace	DR-GW-Interface/CommonTypes
Annotations	`Basic type for all possible TETRA address types (SSI, TSI, MSISDN, FSSN, OPTA).`
Diagram	
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	`<xs:complexType name="typeAddress">`

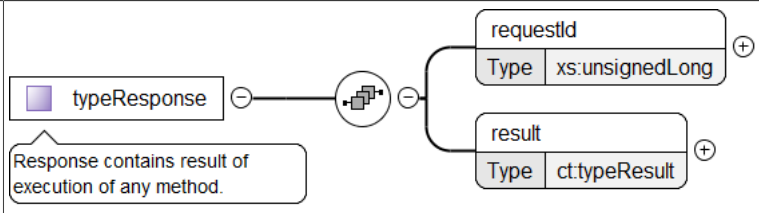
```
  <xs:annotation>
    <xs:documentation>Basic type for all possible TETRA address types (SSI, TSI, MSISDN, FSSN,
 OPTA).</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="subscriber" type="ct:typeSubscriberAddress" minOccurs="0"/>
    <xs:element name="alias" type="xs:normalizedString" 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>
```

Complex Type `ct:typeRequest`

Namespace	DR-GW-Interface/CommonTypes
Diagram	
Model	ct:requestId
Children	ct:requestId

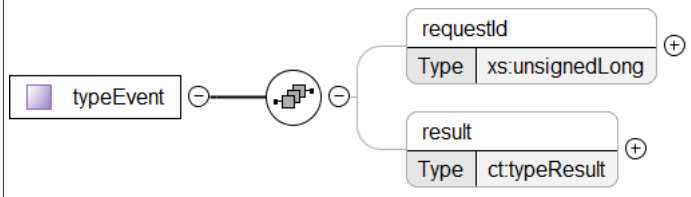
Source	`<xs:complexType name="typeRequest">`
	`  <xs:sequence>`
	`  <xs:element name="requestId" type="xs:unsignedLong"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `ct:typeResponse`

Namespace	DR-GW-Interface/CommonTypes
Annotations	Response contains result of execution of any method.
Diagram	
Model	ct:requestId , ct:result
Children	ct:requestId, ct:result

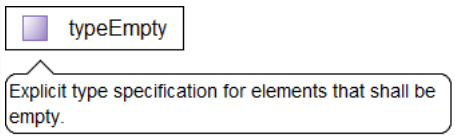
Source	`<xs:complexType name="typeResponse">`
	`  <xs:annotation>`
	`  <xs:documentation>Response contains result of execution of any method.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="requestId" type="xs:unsignedLong"/>`
	`  <xs:element name="result" type="ct:typeResult"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `ct:typeEvent`

Namespace	DR-GW-Interface/CommonTypes
Diagram	
Model	ct:requestId{0,1} , ct:result{0,1}

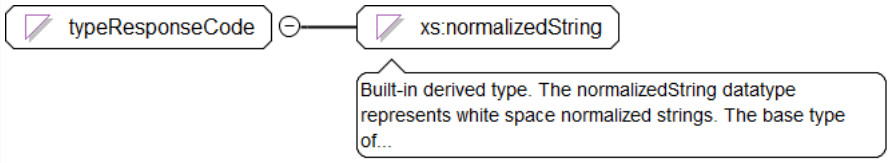
Children	ct:requestId, ct:result
Source	<xs:complexType name="typeEvent"> <xs:sequence> <xs:element name="requestId" type="xs:unsignedLong" minOccurs="0"/> <xs:element name="result" type="ct:typeResult" minOccurs="0"/> </xs:sequence> </xs:complexType>

Complex Type `ct:typeEmpty`

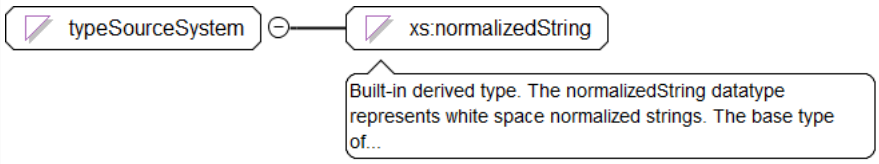
Namespace	DR-GW-Interface/CommonTypes
Annotations	Explicit type specification for elements that shall be empty.
Diagram	
Source	<xs:complexType name="typeEmpty"> <xs:annotation> <xs:documentation>Explicit type specification for elements that shall be empty.</ xs:documentation> </xs:annotation> </xs:complexType>

Simple Type(s)

Simple Type `ct:typeResponseCode`

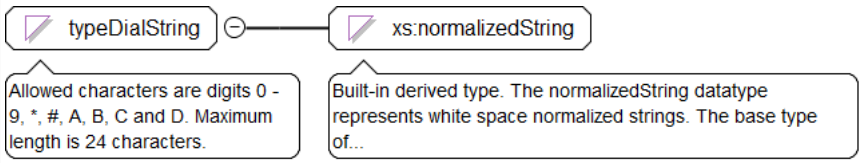
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration: success enumeration: final_response_pending enumeration: error enumeration: not_authorized_error enumeration: temporary_failure enumeration: subscription_failed
Used by	Element: ct:typeResult/ct:responseCode
Source	<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>

Simple Type `ct:typeSourceSystem`

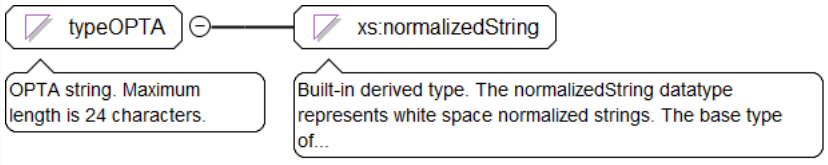
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	restriction of xs:normalizedString

Facets	enumeration	DR-GW
	enumeration	TCS-API
	enumeration	TETRA
	enumeration	TACTILON-API
Used by	Element	ct:typeResult/ct:sourceSystem
Source	<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>	

Simple Type `ct:typeDialString`

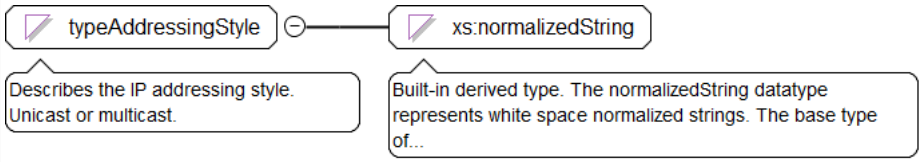
Namespace	DR-GW-Interface/CommonTypes
Annotations	Allowed characters are digits 0 - 9, *, #, A, B, C and D. Maximum length is 24 characters.
Diagram	
Type	restriction of xs:normalizedString
Facets	maxLength 24
Used by	Elements ct:typeAddress/ct:msisdn, ct:typeExternal/ct:number
Source	<xs:simpleType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

Simple Type `ct:typeOPTA`

Namespace	DR-GW-Interface/CommonTypes
Annotations	OPTA string. Maximum length is 24 characters.
Diagram	
Type	restriction of xs:normalizedString
Facets	maxLength 24
Used by	Element ct:typeAddress/ct:opta
Source	<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>

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	<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>