Schema documentation for DR-GW-Session.Events.xsd

november 5, 2024

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Namespace: "DR-GW-Interface/DR-GW-Session.Events"

Schema(s)

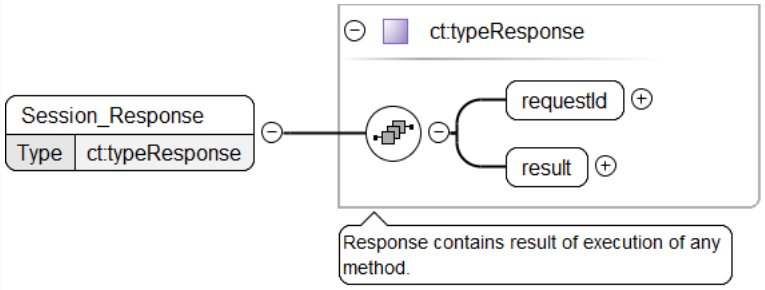
Main schema DR-GW-Session.Events.xsd

Namespace	DR-GW-Interface/DR-GW-Session.Events

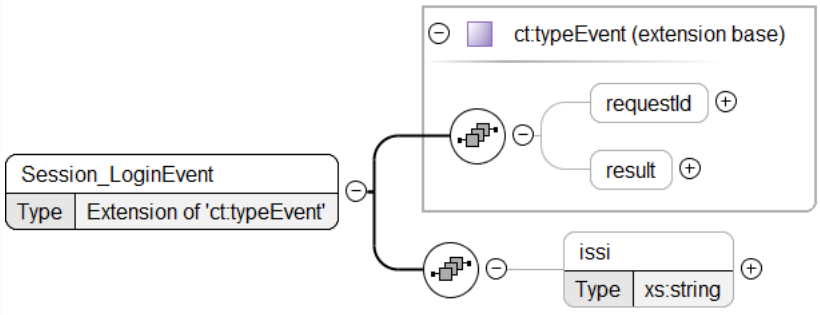
Annotations	Version 1.2
Properties	attribute form default: unqualified element form default: qualified

Element(s)

Element Session_Response

Namespace	DR-GW-Interface/DR-GW-Session.Events
Annotations	
Diagram	
Type	ct:typeResponse
Properties	content: complex
Model	ct:requestId , ct:result
Children	ct:requestId, ct:result
Instance	<Session_Response xmlns="DR-GW-Interface/DR-GW-Session.Events" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:requestId>{1,1}</ct:requestId> <ct:result>{1,1}</ct:result> </Session_Response>
Source	<xs:element name="Session_Response" type="ct:typeResponse"> <xs:annotation> <xs:documentation/> </xs:annotation> </xs:element>

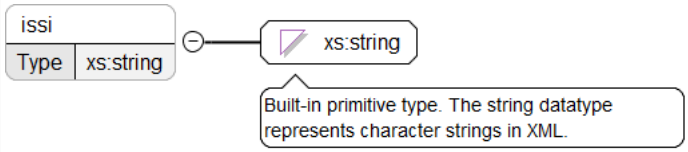
Element Session_LoginEvent

Namespace	DR-GW-Interface/DR-GW-Session.Events
Annotations	
Diagram	
Type	extension of ct:typeEvent
Type hierarchy	• ct:typeEvent
Properties	content: complex
Model	ct:requestId{0,1} , ct:result{0,1} , issi{0,1}
Children	ct:requestId, ct:result, issi
Instance	<Session_LoginEvent xmlns="DR-GW-Interface/DR-GW-Session.Events" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:requestId>{0,1}</ct:requestId> <ct:result>{0,1}</ct:result> <issi>{0,1}</issi>

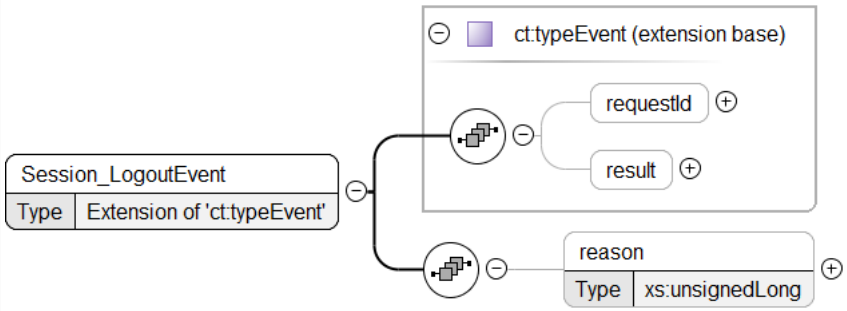
	`</Session_LoginEvent>`

Source	`<xs:element name="Session_LoginEvent">`
	`  <xs:annotation>`
	`  <xs:documentation/>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:complexContent>`
	`  <xs:extension base="ct:typeEvent">`
	`  <xs:sequence>`
	`  <xs:element name="issi" type="xs:string" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`  </xs:complexType>`
	`</xs:element>`

Element Session_LoginEvent / issi

Namespace	DR-GW-Interface/DR-GW-Session.Events
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
Source	`<xs:element name="issi" type="xs:string" minOccurs="0"/>`

Element Session_LogoutEvent

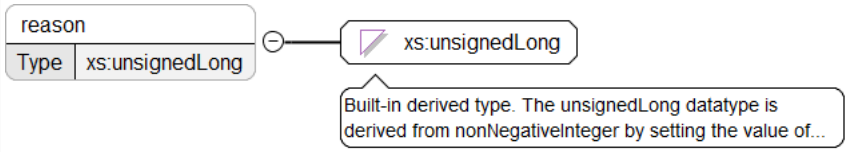
Namespace	DR-GW-Interface/DR-GW-Session.Events
Annotations	
Diagram	
Type	extension of ct:typeEvent
Type hierarchy	• ct:typeEvent
Properties	content: complex
Model	ct:requestId{0,1} , ct:result{0,1} , reason{0,1}
Children	ct:requestId, ct:result, reason

Instance	`<Session_LogoutEvent xmlns="DR-GW-Interface/DR-GW-Session.Events" xmlns:ct="DR-GW-Interface/CommonTypes">`
	`  <ct:requestId>{0,1}</ct:requestId>`
	`  <ct:result>{0,1}</ct:result>`
	`  <reason>{0,1}</reason>`
	`</Session_LogoutEvent>`

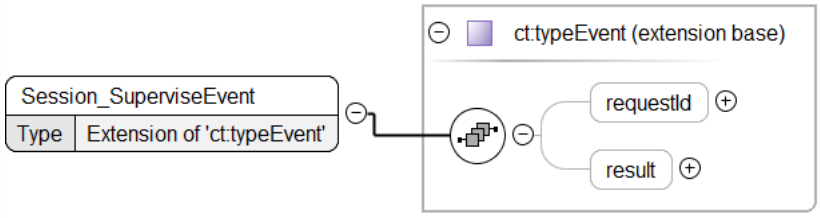
Source	`<xs:element name="Session_LogoutEvent">`
	`  <xs:annotation>`
	`  <xs:documentation/>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:complexContent>`
	`  <xs:extension base="ct:typeEvent">`
	`  <xs:sequence>`
	`  <xs:element name="reason" type="xs:unsignedLong" minOccurs="0"/>`

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

Element `Session_LogoutEvent / reason`

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

Element `Session_SuperviseEvent`

Namespace	DR-GW-Interface/DR-GW-Session.Events
Annotations	
Diagram	
Type	extension of ct:typeEvent
Type hierarchy	• ct:typeEvent
Properties	content: complex
Model	ct:requestId{0,1} , ct:result{0,1}
Children	ct:requestId, ct:result

Instance	`<Session_SuperviseEvent xmlns="DR-GW-Interface/DR-GW-Session.Events" xmlns:ct="DR-GW-Interface/CommonTypes">`
	`  <ct:requestId>{0,1}</ct:requestId>`
	`  <ct:result>{0,1}</ct:result>`
	`</Session_SuperviseEvent>`

Source	`<xs:element name="Session_SuperviseEvent">`
	`  <xs:annotation>`
	`  <xs:documentation/>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:complexContent>`
	`  <xs:extension base="ct:typeEvent">`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`  </xs:complexType>`
	`</xs:element>`

Namespace: "DR-GW-Interface/CommonTypes"

Schema(s)

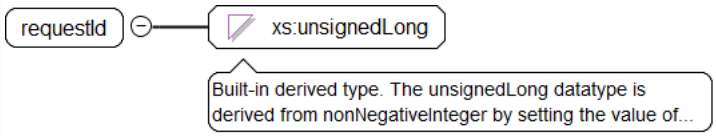
Imported schema `CommonTypes.xsd`

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

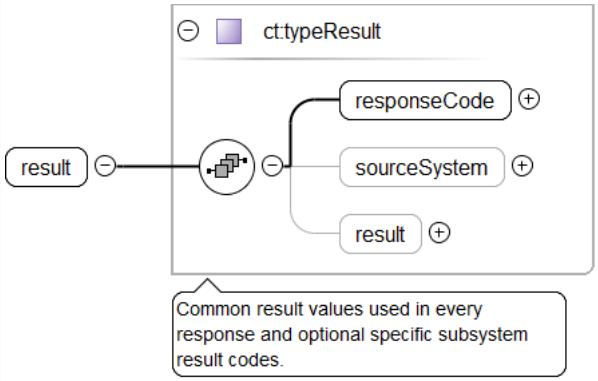
	element form default:	qualified

Element(s)

Element ct: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"/>`

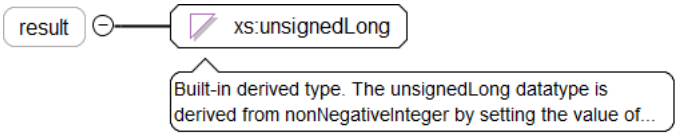
Element ct:typeResult / ct:responseCode

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"/>`	

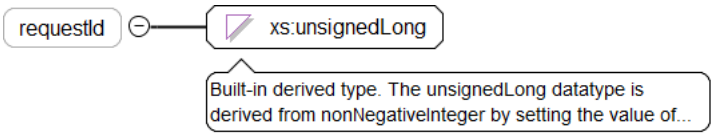
Element ct:typeResult / ct:sourceSystem

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"/>`

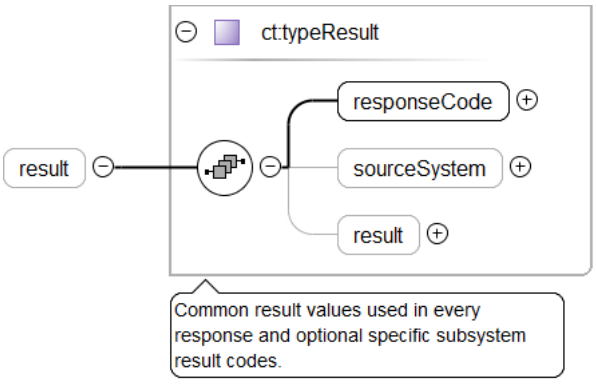
Element ct:typeResult / ct:result

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:typeEvent / ct:requestId

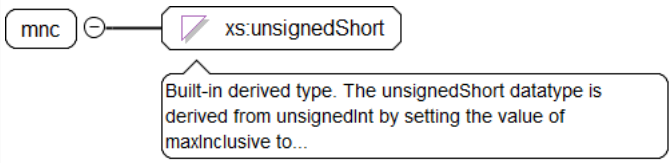
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	xs:unsignedLong
Properties	content: simple minOccurs: 0
Source	`<xs:element name="requestId" type="xs:unsignedLong" minOccurs="0"/>`

Element ct:typeEvent / ct:result

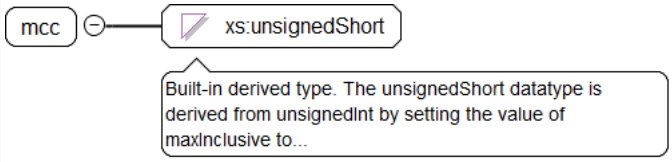
Namespace	DR-GW-Interface/CommonTypes
Diagram	

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"/>

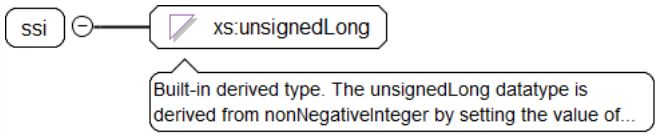
Element ct:typeTSI / ct:mnc

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

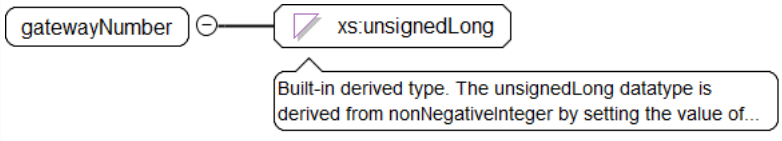
Element ct:typeTSI / ct:mcc

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

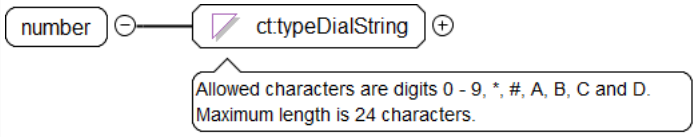
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	xs:unsignedLong
Properties	content: simple
Source	<xs:element name="ssi" type="xs:unsignedLong"/>

Element ct:typeExternal / ct:gatewayNumber

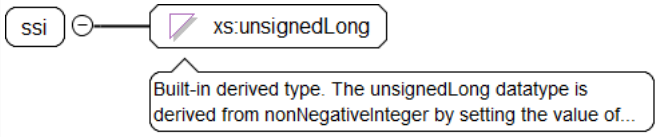
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	xs:unsignedLong

Properties	content: simple
Source	<xs:element name="gatewayNumber" type="xs:unsignedLong"/>

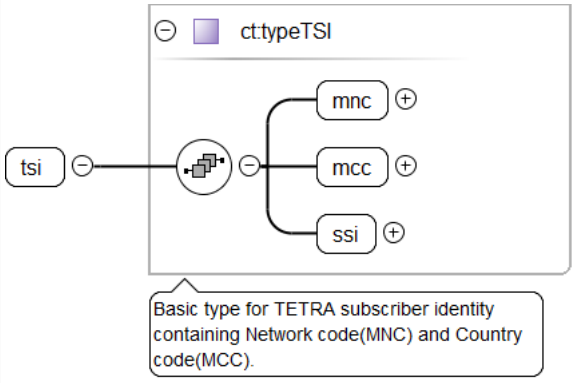
Element ct:typeExternal / ct:number

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

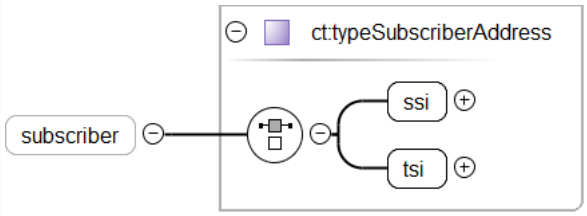
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	xs:unsignedLong
Properties	content: simple
Source	<xs:element name="ssi" type="xs:unsignedLong"/>

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

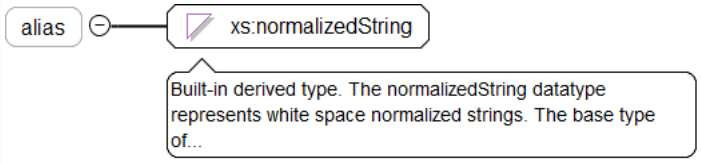
Namespace	DR-GW-Interface/CommonTypes

Diagram	
Type	ct:typeSubscriberAddress
Properties	content: complex minOccurs: 0
Model	ct:ssi | ct:tsi
Children	ct:ssi, ct:tsi

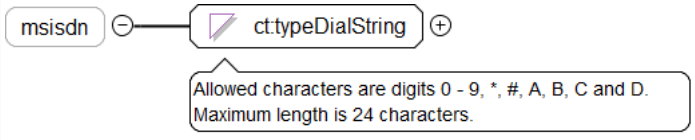
Instance	`<ct:subscriber xmlns:ct="DR-GW-Interface/CommonTypes">`
	`  <ct:ssi>{1,1}</ct:ssi>`
	`  <ct:tsi>{1,1}</ct:tsi>`
	`</ct:subscriber>`

Source	`<xs:element name="subscriber" type="ct:typeSubscriberAddress" minOccurs="0"/>`

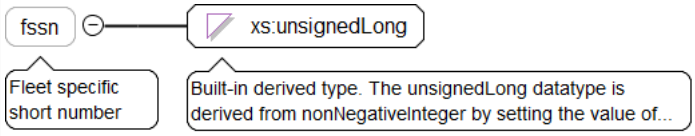
Element ct:typeAddress / ct:alias

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

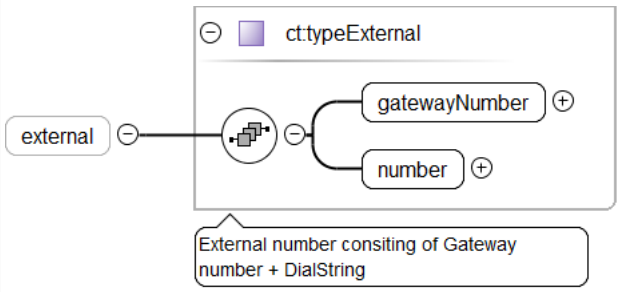
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeDialString
Properties	content: simple minOccurs: 0
Facets	maxLength 24
Source	`<xs:element name="msisdn" type="ct:typeDialString" minOccurs="0"/>`

Element ct:typeAddress / ct:fssn

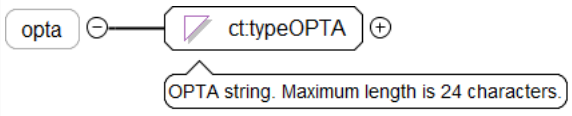
Namespace	DR-GW-Interface/CommonTypes
Annotations	Fleet specific short number
Diagram	
Type	xs:unsignedLong

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>	

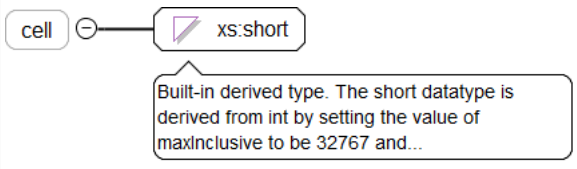
Element ct:typeAddress / ct:external

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"/>

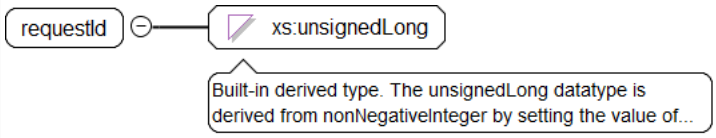
Element ct:typeAddress / ct:opta

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

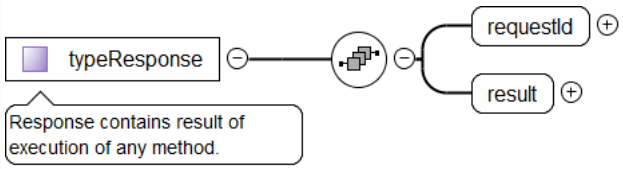
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	xs:short
Properties	content: simple minOccurs: 0
Source	<xs:element name="cell" type="xs:short" minOccurs="0"/>

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"/>`

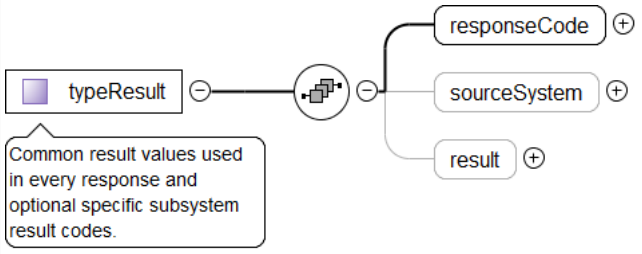
Complex Type(s)

Complex Type `ct:typeResponse`

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

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>

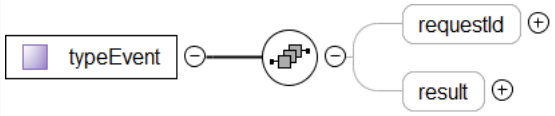
Complex Type `ct:typeResult`

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	<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"/></pre>

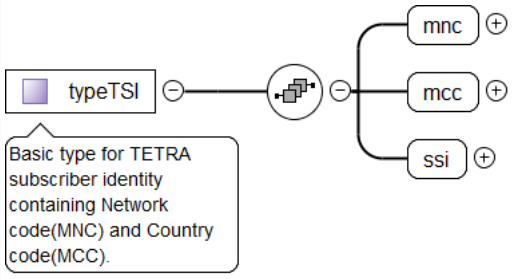
```
    <xs:element name="result" type="xs:unsignedLong" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type `ct:typeEvent`

Namespace	DR-GW-Interface/CommonTypes
Diagram	
Used by	Elements Session_LoginEvent, Session_LogoutEvent, Session_SuperviseEvent
Model	ct:requestId{0,1} , ct:result{0,1}
Children	ct:requestId, ct:result

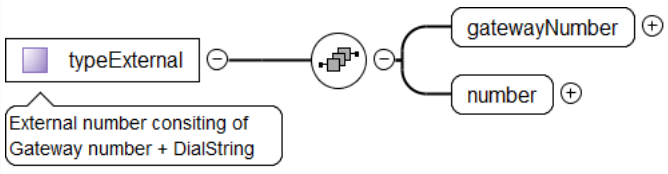
Source	`<xs:complexType name="typeEvent">`
	`  <xs:sequence>`
	`  <xs:element name="requestId" type="xs:unsignedLong" minOccurs="0"/>`
	`  <xs:element name="result" type="ct:typeResult" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `ct: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

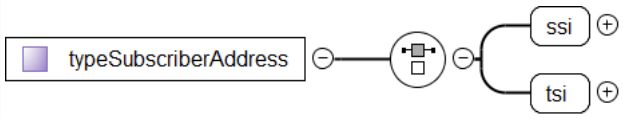
Source	`<xs:complexType name="typeTSI">`
	`  <xs:annotation>`
	`  <xs:documentation>Basic type for TETRA subscriber identity containing Network code(MNC) and Country code(MCC).</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="mnc" type="xs:unsignedShort"/>`
	`  <xs:element name="mcc" type="xs:unsignedShort"/>`
	`  <xs:element name="ssi" type="xs:unsignedLong"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `ct:typeExternal`

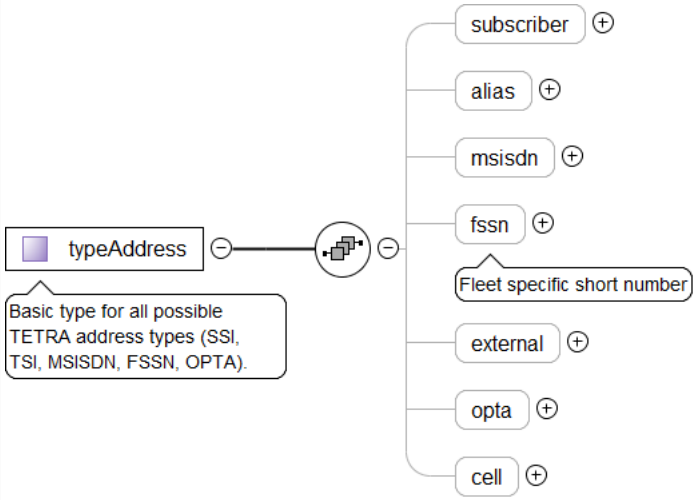
Namespace	DR-GW-Interface/CommonTypes
Annotations	External number consiting of Gateway number + DialString
Diagram	
Used by	Element ct:typeAddress/ct:external
Model	ct:gatewayNumber , ct:number

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`

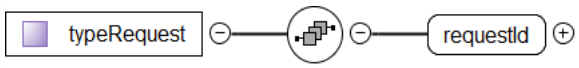
Namespace	DR-GW-Interface/CommonTypes
Annotations	
Diagram	
Used by	Element ct:typeAddress/ct:subscriber
Model	ct:ssi | ct:tsi
Children	ct:ssi, ct:tsi
Source	<xs:complexType name="typeSubscriberAddress"> <xs:annotation> <xs:documentation/> </xs:annotation> <xs:choice> <xs:element name="ssi" type="xs:unsignedLong"/> <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"/>

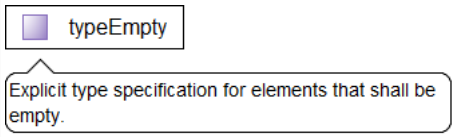
```
    <xs:element name="fssn" type="xs:unsignedLong" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Fleet specific short number</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="external" type="ct:typeExternal" minOccurs="0"/>
    <xs:element name="opta"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

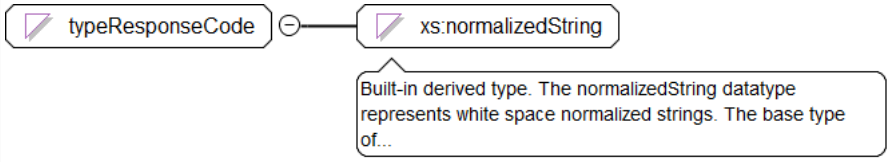
Complex Type `ct:typeEmpty`

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)

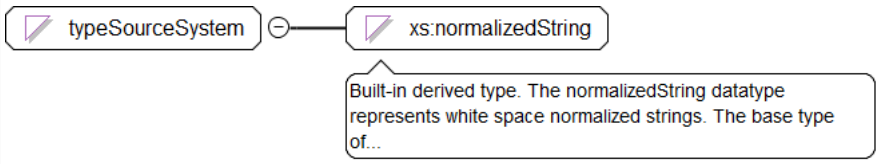
Simple Type `ct:typeResponseCode`

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"/>`	

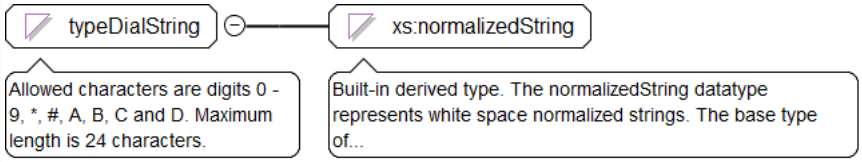
```
    <xs:enumeration value="not_authorized_error"/>
    <xs:enumeration value="temporary_failure"/>
    <xs:enumeration value="subscription_failed"/>
  </xs:restriction>
</xs:simpleType>
```

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

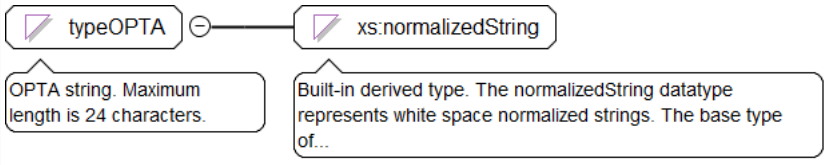
Source	`<xs:simpleType name="typeSourceSystem">`
	`  <xs:restriction base="xs:normalizedString">`
	`  <xs:enumeration value="DR-GW"/>`
	`  <xs:enumeration value="TCS-API"/>`
	`  <xs:enumeration value="TETRA"/>`
	`  <xs:enumeration value="TACTILON-API"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

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

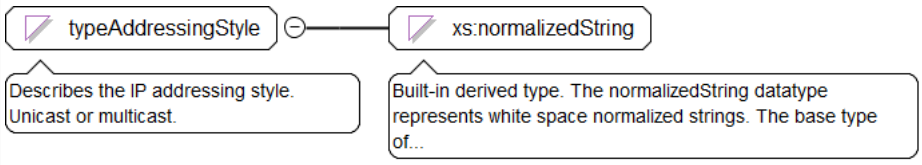
Source	`<xs:simpleType name="typeDialString">`
	`  <xs:annotation>`
	`  <xs:documentation>Allowed characters are digits 0 - 9, *, #, A, B, C and D. Maximum length is 24 characters.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:normalizedString">`
	`  <xs:maxLength value="24"/>`
	`  </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>