Schema documentation for DR-GW-Call.xsd

november 5, 2024

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Namespace: "DR-GW-Interface/DR-GW-Call"

Schema(s)

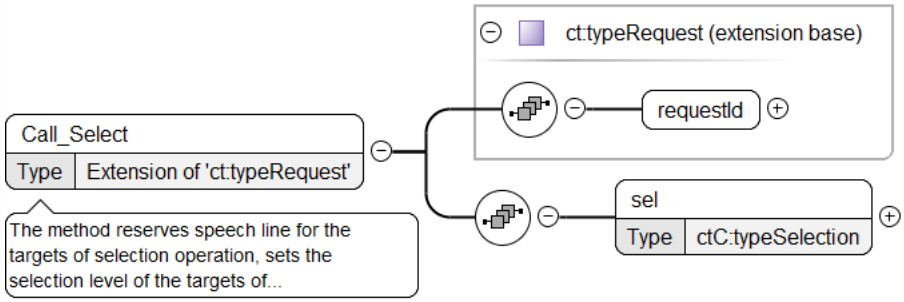
Main schema DR-GW-Call.xsd

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

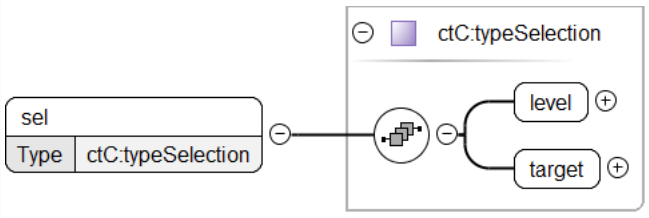
Element(s)

Element Call_Select

Namespace	DR-GW-Interface/DR-GW-Call
Annotations	The method reserves speech line for the targets of selection operation, sets

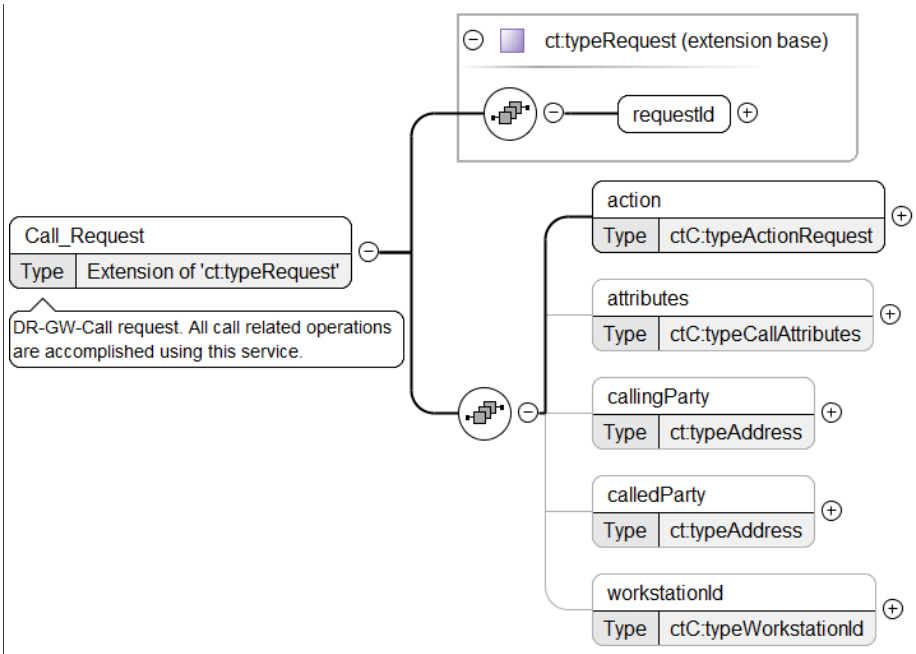
	the selection level of the targets of selection operation to given values.
Diagram	
Type	extension of ct:typeRequest
Type hierarchy	• ct:typeRequest
Properties	content: complex
Model	ct:requestId , sel
Children	ct:requestId, sel
Instance	<Call_Select xmlns="DR-GW-Interface/DR-GW-Call" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:requestId>{1,1}</ct:requestId> <sel>{1,1}</sel> </Call_Select>
Source	<xs:element name="Call_Select"> <xs:annotation> <xs:documentation>The method reserves speech line for the targets of selection operation, sets the selection level of the targets of selection operation to given values.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="ct:typeRequest"> <xs:sequence> <xs:element name="sel" type="ctC:typeSelection"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element>

Element Call_Select / sel

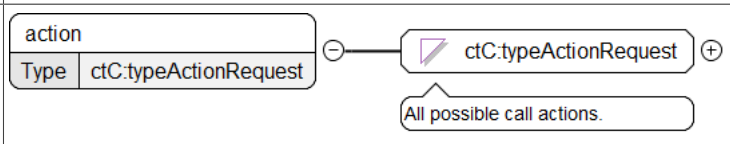
Namespace	DR-GW-Interface/DR-GW-Call
Diagram	
Type	typeSelection
Properties	content: complex
Model	level , target
Children	level, target
Instance	<sel xmlns="DR-GW-Interface/DR-GW-Call" xmlns:ctC="DR-GW-Interface/DR-GW-Call.CommonTypes"> <ctC:level>{1,1}</ctC:level> <ctC:target>{1,1}</ctC:target> </sel>
Source	<xs:element name="sel" type="ctC:typeSelection"/>

Element Call_Request

Namespace	DR-GW-Interface/DR-GW-Call
Annotations	DR-GW-Call request. All call related operations are accomplished using this service.

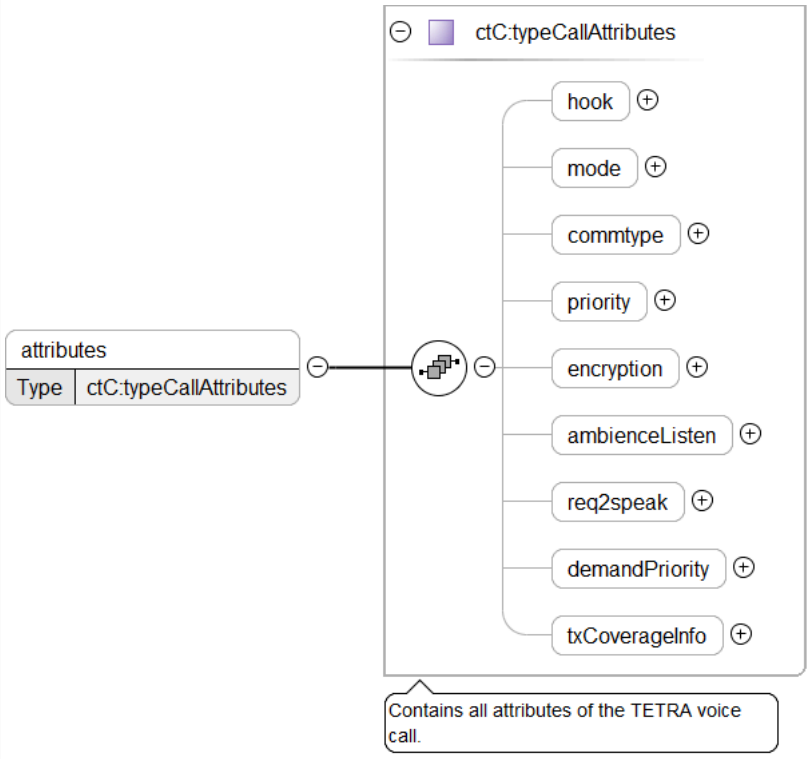
Diagram	
Type	extension of ct:typeRequest
Type hierarchy	• ct:typeRequest
Properties	content: complex
Model	ct:requestId , action , attributes{0,1} , callingParty{0,1} , calledParty{0,1} , workstationId{0,1}
Children	action, attributes, calledParty, callingParty, ct:requestId, workstationId
Instance	<Call_Request xmlns="DR-GW-Interface/DR-GW-Call" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:requestId>{1,1}</ct:requestId> <action>{1,1}</action> <attributes>{0,1}</attributes> <callingParty>{0,1}</callingParty> <calledParty>{0,1}</calledParty> <workstationId>{0,1}</workstationId> </Call_Request>
Source	<xs:element name="Call_Request"> <xs:annotation> <xs:documentation>DR-GW-Call request. All call related operations are accomplished using this service.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="ct:typeRequest"> <xs:sequence> <xs:element name="action" type="ctC:typeActionRequest"/> <xs:element name="attributes" type="ctC:typeCallAttributes" minOccurs="0"/> <xs:element name="callingParty" type="ct:typeAddress" minOccurs="0"/> <xs:element name="calledParty" type="ct:typeAddress" minOccurs="0"/> <xs:element name="workstationId" type="ctC:typeWorkstationId" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element>

Element Call_Request / action

Namespace	DR-GW-Interface/DR-GW-Call
Diagram	
Type	typeActionRequest
Properties	content: simple

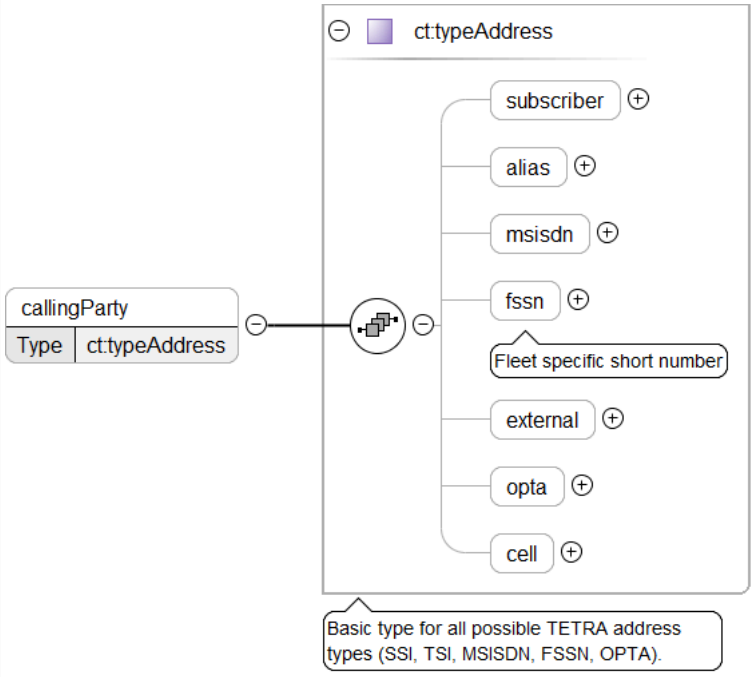
Facets	enumeration	setup	This method is used to initiate a new call setup. For a call setup to be successful it is required that the resources have been reserved prior this method call.
	enumeration	connect	This method is used to connect an incoming call.
	enumeration	hold	This method requests to put an individual call to hold.
	enumeration	unhold	This method is a request for resuming an individual call from hold.
	enumeration	disconnect	This method is used to disconnect a call.
	enumeration	transfer	This method is used to transfer an individual call to a new recipient.
	enumeration	releasecall	This method is used to release radio subscriber's individual call.
Source	<xs:element name="action" type="ctC:typeActionRequest"/>		

Element Call_Request / attributes

Namespace	DR-GW-Interface/DR-GW-Call
Diagram	
Type	typeCallAttributes
Properties	content: complex minOccurs: 0
Model	hook{0,1} , mode{0,1} , commtype{0,1} , priority{0,1} , encryption{0,1} , ambienceListen{0,1} , req2speak{0,1} , demandPriority{0,1} , txCoverageInfo{0,1}
Children	ambienceListen, commtype, demandPriority, encryption, hook, mode, priority, req2speak, txCoverageInfo
Instance	<attributes xmlns="DR-GW-Interface/DR-GW-Call" xmlns:ctC="DR-GW-Interface/DR-GW-Call.CommonTypes"> <ctC:hook>{0,1}</ctC:hook> <ctC:mode>{0,1}</ctC:mode> <ctC:commtype>{0,1}</ctC:commtype> <ctC:priority>{0,1}</ctC:priority> <ctC:encryption>{0,1}</ctC:encryption> <ctC:ambienceListen>{0,1}</ctC:ambienceListen> <ctC:req2speak>{0,1}</ctC:req2speak> <ctC:demandPriority>{0,1}</ctC:demandPriority>

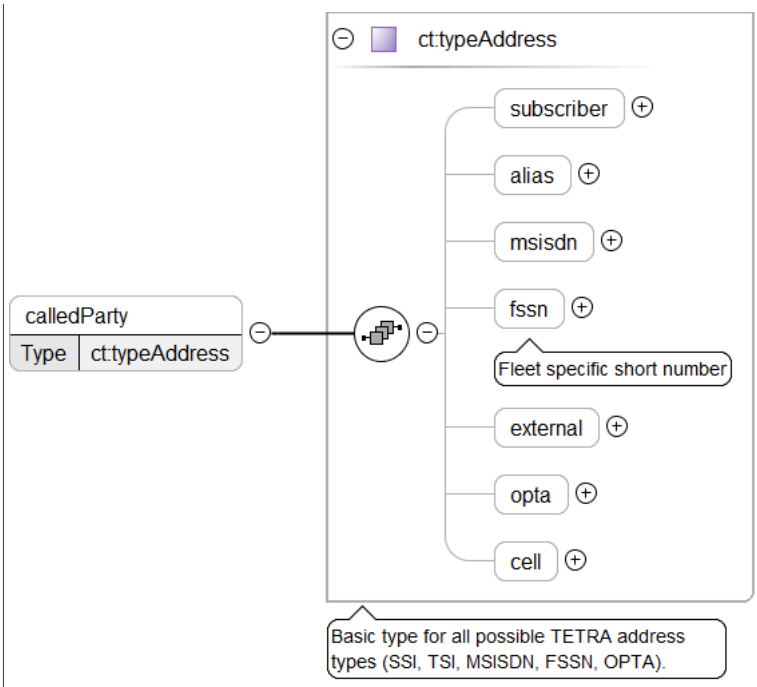
	<ctC:txCoverageInfo>{0,1}</ctC:txCoverageInfo> </attributes>
Source	<xs:element name="attributes" type="ctC:typeCallAttributes" minOccurs="0"/>

Element Call_Request / callingParty

Namespace	DR-GW-Interface/DR-GW-Call
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	<callingParty xmlns="DR-GW-Interface/DR-GW-Call" 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> </callingParty>
Source	<xs:element name="callingParty" type="ct:typeAddress" minOccurs="0"/>

Element Call_Request / calledParty

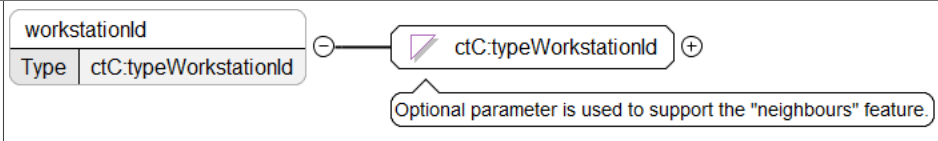
Namespace	DR-GW-Interface/DR-GW-Call

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><calledParty xmlns="DR-GW-Interface/DR-GW-Call" 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>
	</calledParty></pre>

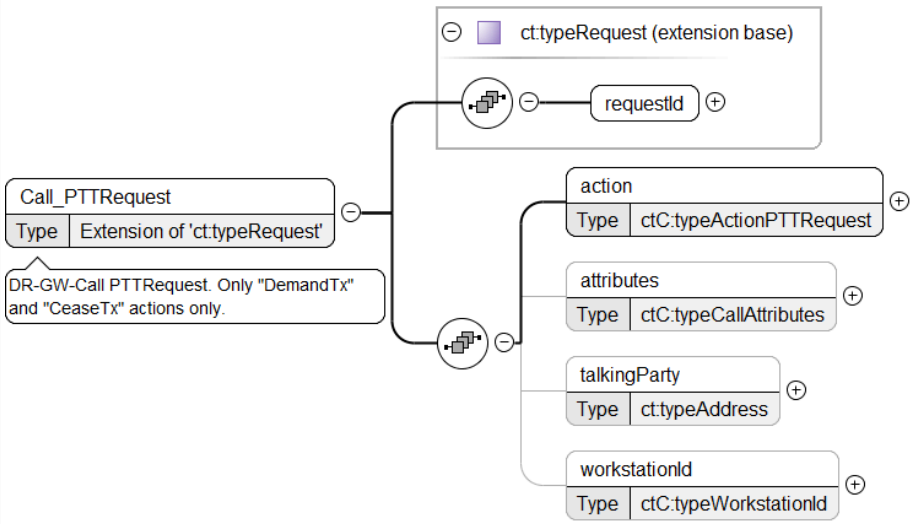
Source	<pre><xs:element name="calledParty" type="ct:typeAddress" minOccurs="0"/></pre>

Element `Call_Request / workstationId`

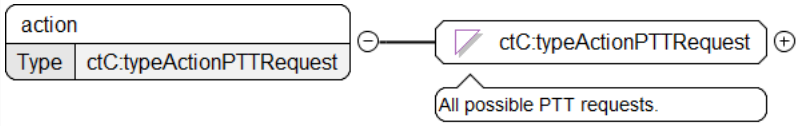
Namespace	DR-GW-Interface/DR-GW-Call
Diagram	
Type	typeWorkstationId
Properties	content: simple minOccurs: 0
Source	<pre><xs:element name="workstationId" type="ctC:typeWorkstationId" minOccurs="0"/></pre>

Element `Call_PTTRequest`

Namespace	DR-GW-Interface/DR-GW-Call
Annotations	DR-GW-Call PTTRequest. Only "DemandTx" and "CeaseTx" actions only.

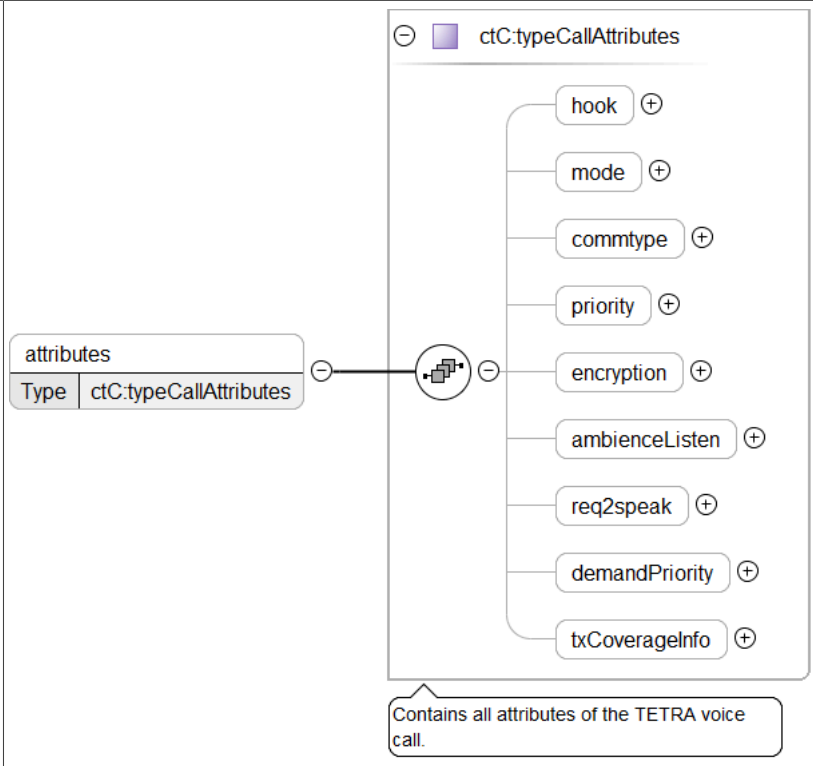
Diagram	
Type	extension of ct:typeRequest
Type hierarchy	• ct:typeRequest
Properties	content: complex
Model	ct:requestId , action , attributes{0,1} , talkingParty{0,1} , workstationId{0,1}
Children	action, attributes, ct:requestId, talkingParty, workstationId
Instance	<Call_PTTRequest xmlns="DR-GW-Interface/DR-GW-Call" xmlns:ct="DR-GW-Interface/CommonTypes"> <ct:requestId>{1,1}</ct:requestId> <action>{1,1}</action> <attributes>{0,1}</attributes> <talkingParty>{0,1}</talkingParty> <workstationId>{0,1}</workstationId> </Call_PTTRequest>
Source	<xs:element name="Call_PTTRequest"> <xs:annotation> <xs:documentation>DR-GW-Call PTTRequest. Only "DemandTx" and "CeaseTx" actions only.</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="ct:typeRequest"> <xs:sequence> <xs:element name="action" type="ctC:typeActionPTTRequest"/> <xs:element name="attributes" type="ctC:typeCallAttributes" minOccurs="0"/> <xs:element name="talkingParty" type="ct:typeAddress" minOccurs="0"/> <xs:element name="workstationId" type="ctC:typeWorkstationId" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element>

Element Call_PTTRequest / action

Namespace	DR-GW-Interface/DR-GW-Call		
Diagram			
Type	typeActionPTTRequest		
Properties	content:	simple	
Facets	enumeration	demandtx	This method can be used to request a speech item for a connected call.
	enumeration	ceasetx	This method is used to inform the system that the speech item is not needed any more.

Source	`<xs:element name="action" type="ctC:typeActionPTTRequest"/>`

Element `Call_PTTRequest / attributes`

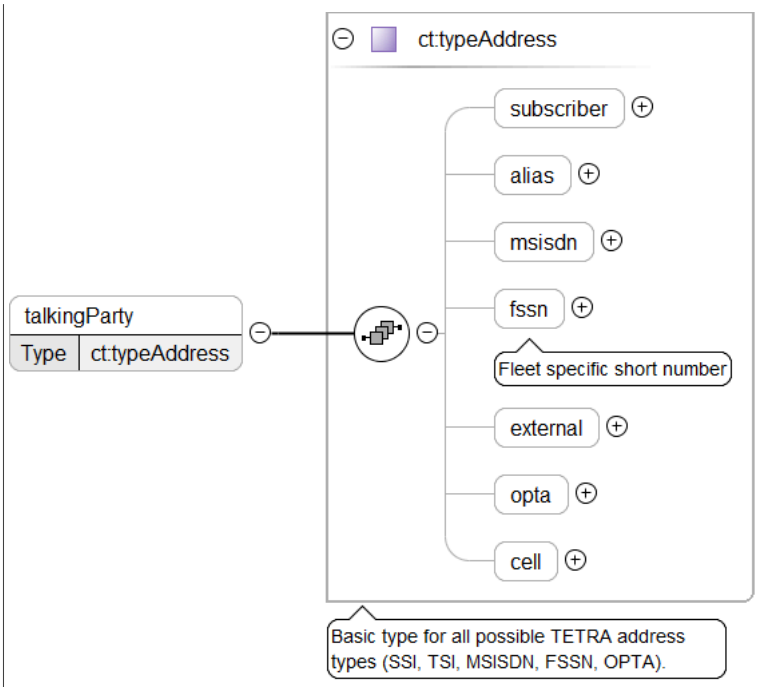
Namespace	DR-GW-Interface/DR-GW-Call
Diagram	
Type	typeCallAttributes
Properties	content: complex minOccurs: 0
Model	hook{0,1} , mode{0,1} , commtype{0,1} , priority{0,1} , encryption{0,1} , ambienceListen{0,1} , req2speak{0,1} , demandPriority{0,1} , txCoverageInfo{0,1}
Children	ambienceListen, commtype, demandPriority, encryption, hook, mode, priority, req2speak, txCoverageInfo

Instance	`<attributes xmlns="DR-GW-Interface/DR-GW-Call" xmlns:ctC="DR-GW-Interface/DR-GW-Call.CommonTypes">`
	`<ctC:hook>{0,1}</ctC:hook>`
	`<ctC:mode>{0,1}</ctC:mode>`
	`<ctC:commtype>{0,1}</ctC:commtype>`
	`<ctC:priority>{0,1}</ctC:priority>`
	`<ctC:encryption>{0,1}</ctC:encryption>`
	`<ctC:ambienceListen>{0,1}</ctC:ambienceListen>`
	`<ctC:req2speak>{0,1}</ctC:req2speak>`
	`<ctC:demandPriority>{0,1}</ctC:demandPriority>`
	`<ctC:txCoverageInfo>{0,1}</ctC:txCoverageInfo>`
	`</attributes>`

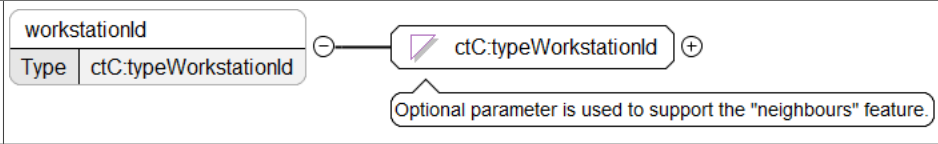
Source	`<xs:element name="attributes" type="ctC:typeCallAttributes" minOccurs="0"/>`

Element `Call_PTTRequest / talkingParty`

Namespace	DR-GW-Interface/DR-GW-Call

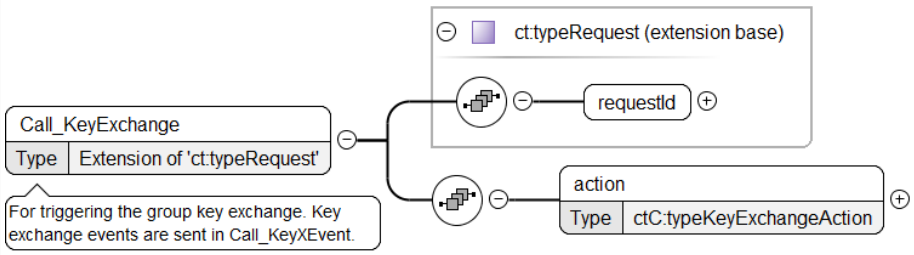
Diagram	
Type	ct:typeAddress
Properties	content: complex minOccurs: 0
Model	ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1}
Children	ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn, ct:opta, ct:subscriber
Instance	<talkingParty xmlns="DR-GW-Interface/DR-GW-Call"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

Element Call_PTTRequest / workstationId

Namespace	DR-GW-Interface/DR-GW-Call
Diagram	
Type	typeWorkstationId
Properties	content: simple minOccurs: 0
Source	<xs:element name="workstationId" type="ctC:typeWorkstationId" minOccurs="0"/>

Element Call_KeyExchange

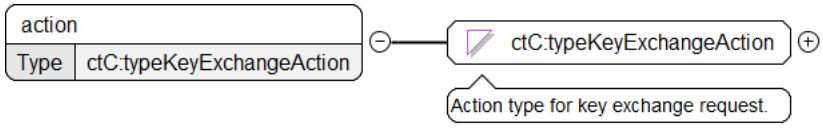
Namespace	DR-GW-Interface/DR-GW-Call
Annotations	For triggering the group key exchange. Key exchange events are sent in Call_KeyXEvent.

Diagram	
Type	extension of ct:typeRequest
Type hierarchy	• ct:typeRequest
Properties	content: complex
Model	ct:requestId , action
Children	action, ct:requestId

Instance	`<Call_KeyExchange xmlns="DR-GW-Interface/DR-GW-Call" xmlns:ct="DR-GW-Interface/CommonTypes">`
	`<ct:requestId>{1,1}</ct:requestId>`
	`<action>{1,1}</action>`
	`</Call_KeyExchange>`

Source	`<xs:element name="Call_KeyExchange">`
	`<xs:annotation>`
	`<xs:documentation>For triggering the group key exchange. Key exchange events are sent in Call_KeyXEvent.</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:complexContent>`
	`<xs:extension base="ct:typeRequest">`
	`<xs:sequence>`
	`<xs:element name="action" type="ctC:typeKeyExchangeAction"/>`
	`</xs:sequence>`
	`</xs:extension>`
	`</xs:complexContent>`
	`</xs:complexType>`
	`</xs:element>`

Element `Call_KeyExchange / action`

Namespace	DR-GW-Interface/DR-GW-Call
Diagram	
Type	typeKeyExchangeAction
Properties	content: simple
Facets	enumeration start enumeration stop
Source	`<xs:element name="action" type="ctC:typeKeyExchangeAction"/>`

Namespace: "DR-GW-Interface/CommonTypes"

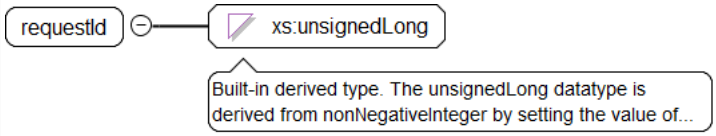
Schema(s)

Imported schema `CommonTypes.xsd`

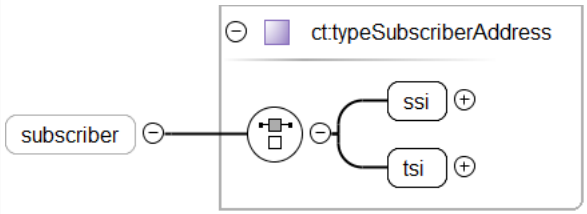
Namespace	DR-GW-Interface/CommonTypes
Annotations	Version 1.2
Properties	attribute form default: unqualified element form default: qualified

Element(s)

Element `ct:typeRequest / ct:requestId`

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

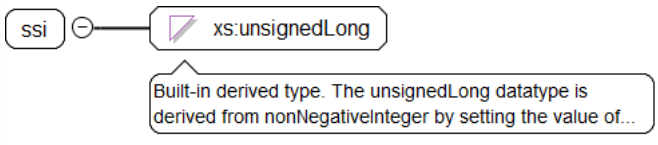
Element `ct:typeAddress / ct:subscriber`

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>`

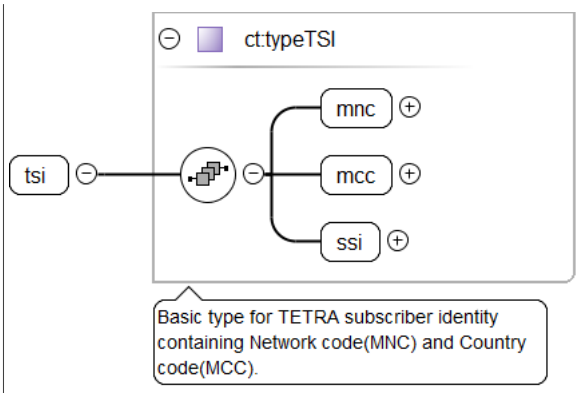
Source	`<xs:element name="subscriber" type="ct:typeSubscriberAddress" minOccurs="0"/>`

Element `ct: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`

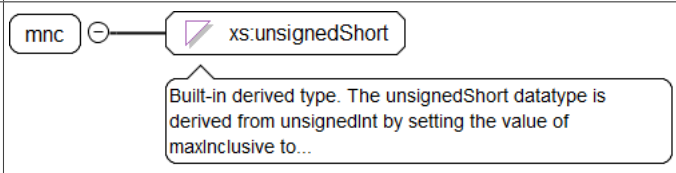
Namespace	DR-GW-Interface/CommonTypes

Diagram	
Type	ct:typeTSI
Properties	content: complex
Model	ct:mnc , ct:mcc , ct:ssi
Children	ct:mcc, ct:mnc, ct:ssi

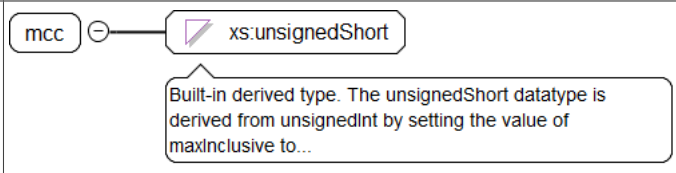
Instance	`<ct:tsi xmlns:ct="DR-GW-Interface/CommonTypes">`
	`<ct:mnc>{1,1}</ct:mnc>`
	`<ct:mcc>{1,1}</ct:mcc>`
	`<ct:ssi>{1,1}</ct:ssi>`
	`</ct:tsi>`

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

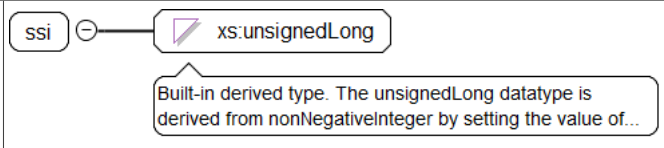
Element ct:typeTSI / ct:mnc

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

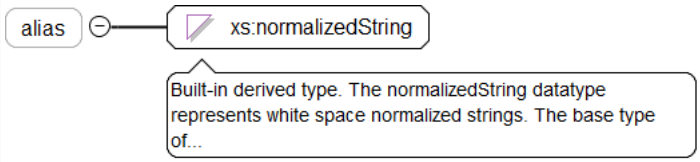
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	xs:unsignedShort
Properties	content: simple
Source	`<xs:element name="mcc" type="xs:unsignedShort"/>`

Element ct:typeTSI / ct:ssi

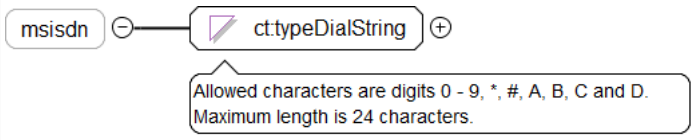
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	xs:unsignedLong

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

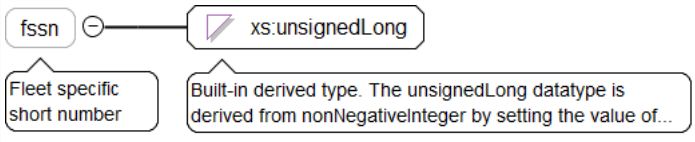
Element ct:typeAddress / ct:alias

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"/>`

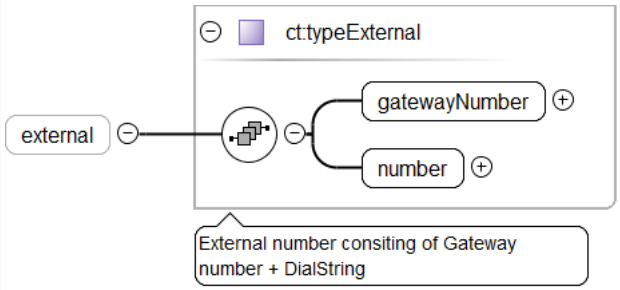
Element ct:typeAddress / ct:fssn

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

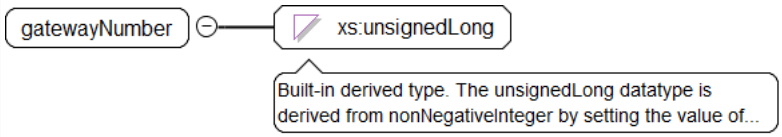
Namespace	DR-GW-Interface/CommonTypes

Diagram	
Type	ct:typeExternal
Properties	content: complex minOccurs: 0
Model	ct:gatewayNumber , ct:number
Children	ct:gatewayNumber, ct:number

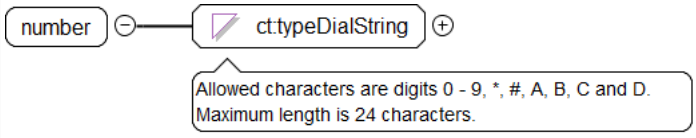
Instance	`<ct:external xmlns:ct="DR-GW-Interface/CommonTypes">`
	`  <ct:gatewayNumber>{1,1}</ct:gatewayNumber>`
	`  <ct:number>{1,1}</ct:number>`
	`</ct:external>`

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

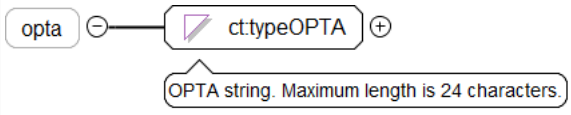
Element ct:typeExternal / ct:gatewayNumber

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

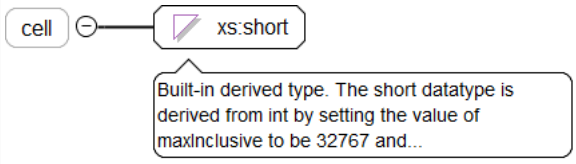
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeDialString
Properties	content: simple
Facets	maxLength 24
Source	`<xs:element name="number" type="ct:typeDialString"/>`

Element ct: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"/>

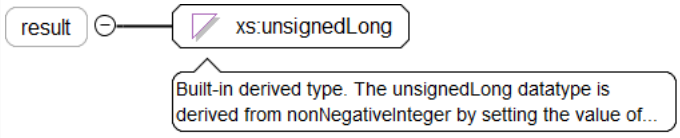
Element ct:typeResult / ct:responseCode

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

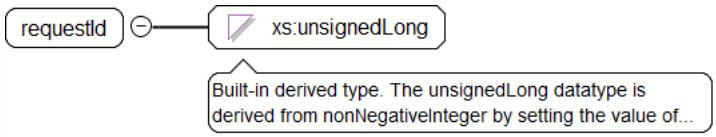
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeSourceSystem
Properties	content: simple minOccurs: 0
Facets	enumeration: DR-GW enumeration: TCS-API enumeration: TETRA enumeration: TACTILON-API
Source	<xs:element name="sourceSystem" type="ct:typeSourceSystem" minOccurs="0"/>

Element ct:typeResult / ct:result

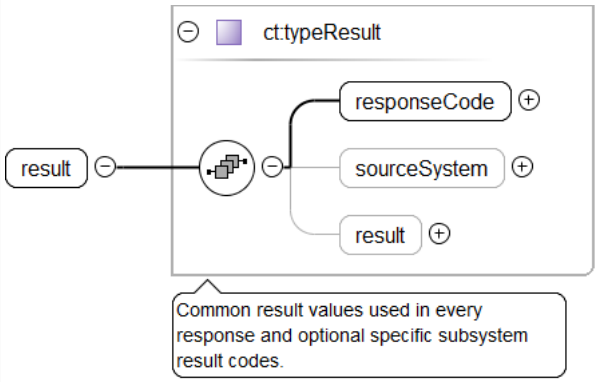
Namespace	DR-GW-Interface/CommonTypes
Diagram	

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

Element ct:typeResponse / ct:requestId

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

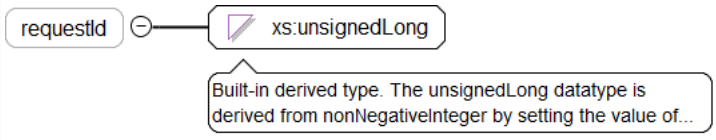
Element ct:typeResponse / ct:result

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

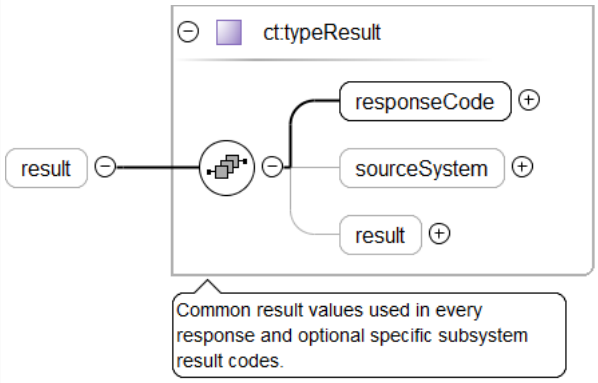
Instance	`<ct:result xmlns:ct="DR-GW-Interface/CommonTypes">`
	`  <ct:responseCode>{1,1}</ct:responseCode>`
	`  <ct:sourceSystem>{0,1}</ct:sourceSystem>`
	`  <ct:result>{0,1}</ct:result>`
	`</ct:result>`

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`

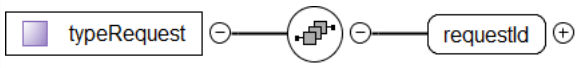
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	ct:typeResult
Properties	content: complex minOccurs: 0
Model	ct:responseCode , ct:sourceSystem{0,1} , ct:result{0,1}
Children	ct:responseCode, ct:result, ct:sourceSystem

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)

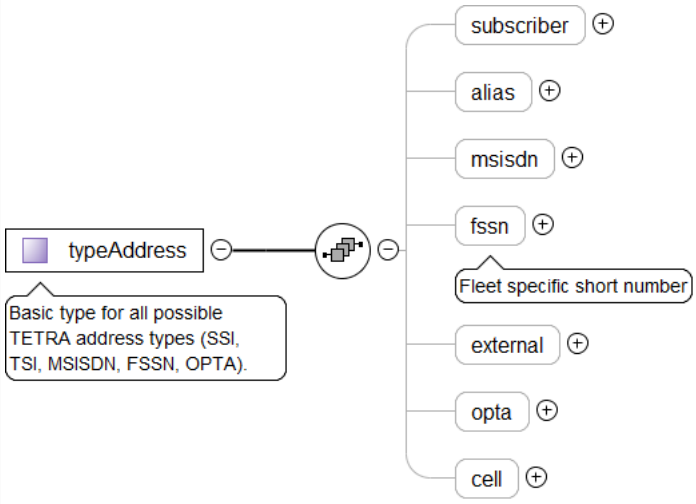
Complex Type `ct:typeRequest`

Namespace	DR-GW-Interface/CommonTypes
Diagram	
Used by	Elements: Call_KeyExchange, Call_PTTRequest, Call_Request, Call_Select
Model	ct:requestId
Children	ct:requestId

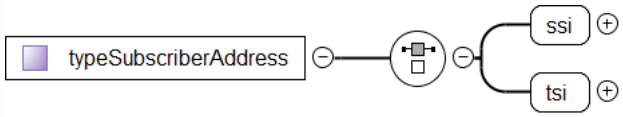
Source	`<xs:complexType name="typeRequest">`
	`  <xs:sequence>`
	`  <xs:element name="requestId" type="xs:unsignedLong"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `ct:typeAddress`

Namespace	DR-GW-Interface/CommonTypes
Annotations	Basic type for all possible TETRA address types (SSI, TSI, MSISDN, FSSN, OPTA).

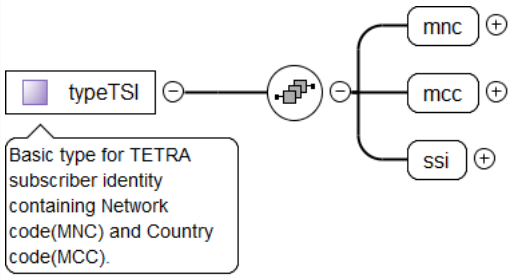
Diagram	
Used by	Elements Call_PTTRequest/talkingParty, Call_Request/calledParty, Call_Request/callingParty, typeSelection/target, typeTxGranted/talkingParty
Model	ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1}
Children	ct:alias, ct:cell, 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:typeSubscriberAddress`

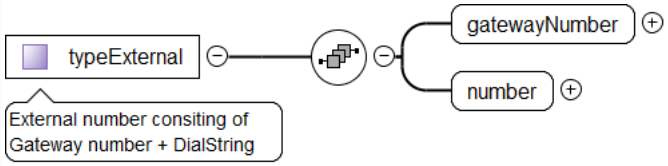
Namespace	DR-GW-Interface/CommonTypes
Annotations	
Diagram	
Used by	Element ct:typeAddress/ct:subscriber
Model	ct:ssi | ct:tsi
Children	ct:ssi, ct:tsi
Source	<xs:complexType name="typeSubscriberAddress"> <xs:annotation> <xs:documentation/> </xs:annotation> <xs:choice> <xs:element name="ssi" type="xs:unsignedLong"/>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

Complex Type `ct:typeTSI`

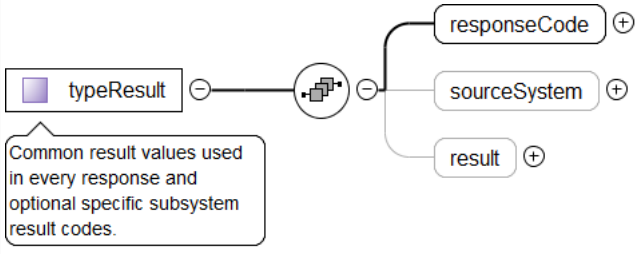
Namespace	DR-GW-Interface/CommonTypes

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`

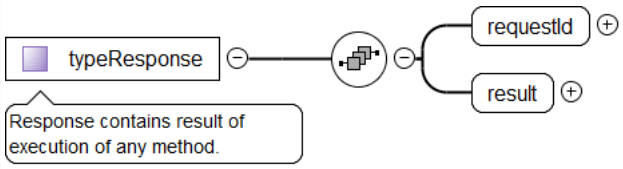
Namespace	DR-GW-Interface/CommonTypes
Annotations	External number consiting of Gateway number + DialString
Diagram	
Used by	Element ct:typeAddress/ct:external
Model	ct:gatewayNumber , ct:number
Children	ct:gatewayNumber, ct:number
Source	<xs:complexType name="typeExternal"> <xs:annotation> <xs:documentation>External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

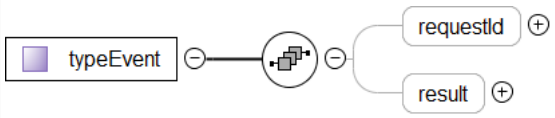
Namespace	DR-GW-Interface/CommonTypes
Annotations	Common result values used in every response and optional specific subsystem result codes.
Diagram	

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>

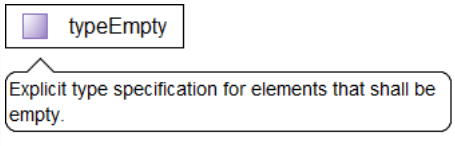
Complex Type `ct:typeResponse`

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>

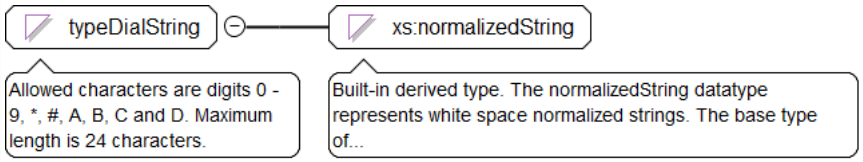
Complex Type `ct:typeEmpty`

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

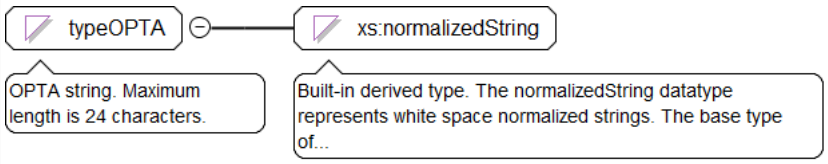
```
    <xs:documentation>Explicit type specification for elements that shall be empty.</
xs:documentation>
  </xs:annotation>
</xs:complexType>
```

Simple Type(s)

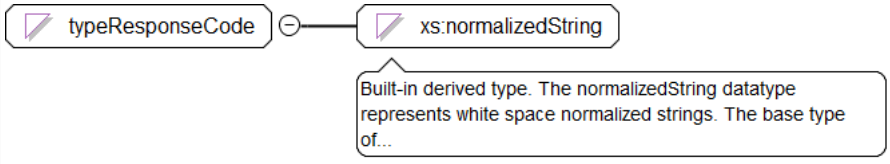
Simple Type `ct:typeDialString`

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:typeResponseCode`

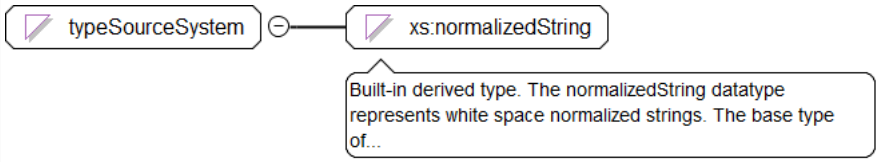
Namespace	DR-GW-Interface/CommonTypes
Diagram	
Type	restriction of xs:normalizedString

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>
```

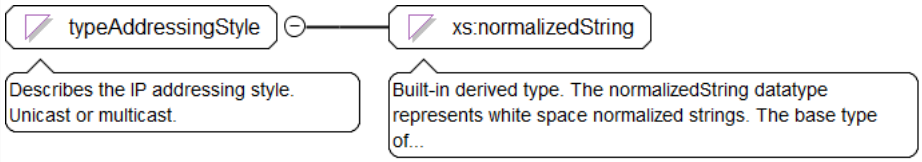
Simple Type `ct:typeSourceSystem`

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: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>
```

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

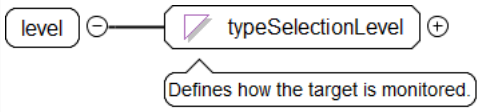
Schema(s)

Imported schema `DR-GW-Call.CommonTypes.xsd`

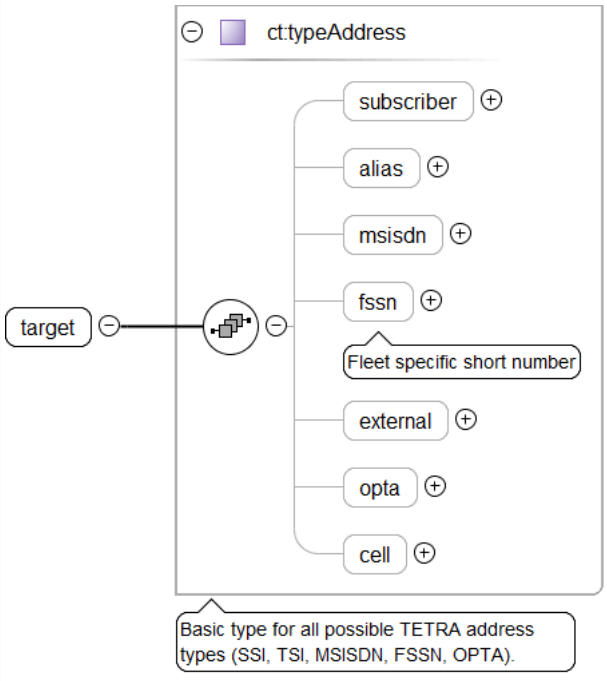
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	`Version 1.2`
Properties	attribute form default: `unqualified` element form default: `qualified`

Element(s)

Element `typeSelection / level`

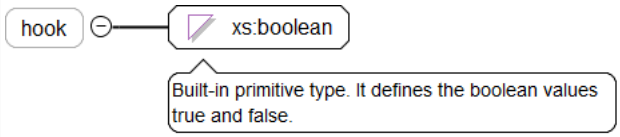
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes		
Diagram			
Type	typeSelectionLevel		
Properties	content:	`simple`	
Facets	enumeration	`no`	`No selection. Used to remove selection.`
	enumeration	`event`	`Event monitoring.`
	enumeration	`audio`	`Audio monitoring.`
	enumeration	`use`	`Selection level use.`
	enumeration	`a_use`	`Selection level active use.`
Source	`<xs:element name="level" type="typeSelectionLevel"/>`		

Element `typeSelection / target`

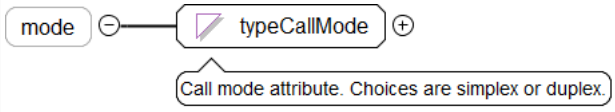
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	

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	<target xmlns="DR-GW-Interface/DR-GW-Call.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>
Source	<xs:element name="target" type="ct:typeAddress"/>

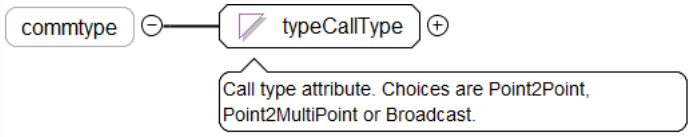
Element typeCallAttributes / hook

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

Element typeCallAttributes / mode

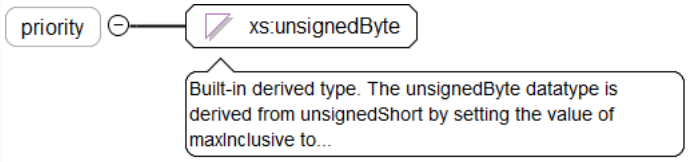
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	typeCallMode
Properties	content: simple minOccurs: 0
Facets	enumeration simplex enumeration duplex
Source	<xs:element name="mode" type="typeCallMode" minOccurs="0"/>

Element typeCallAttributes / commtype

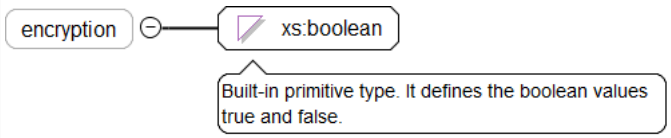
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	typeCallType
Properties	content: simple minOccurs: 0
Facets	enumeration p2p enumeration p2mp

	enumeration	bcast
Source	<xs:element name="commtype" type="typeCallType" minOccurs="0"/>	

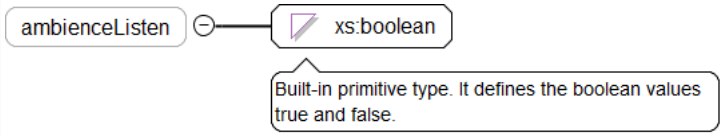
Element typeCallAttributes / priority

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	xs:unsignedByte
Properties	content: simple minOccurs: 0 default: 1
Source	<xs:element name="priority" type="xs:unsignedByte" default="1" minOccurs="0"/>

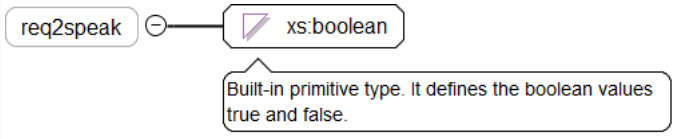
Element typeCallAttributes / encryption

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

Element typeCallAttributes / ambienceListen

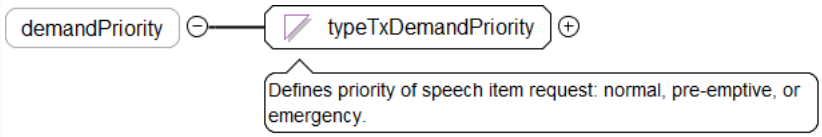
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	xs:boolean
Properties	content: simple minOccurs: 0 default: 0
Source	<xs:element name="ambienceListen" type="xs:boolean" default="0" minOccurs="0"/>

Element typeCallAttributes / req2speak

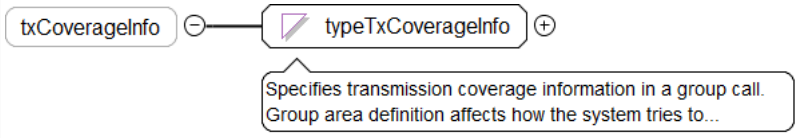
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	xs:boolean

Properties	content:	simple
	minOccurs:	0
	default:	1
Source	<xs:element name="req2speak" type="xs:boolean" default="1" minOccurs="0"/>	

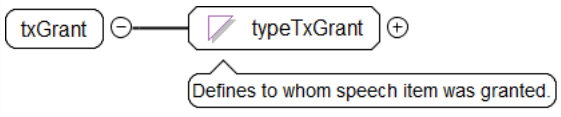
Element typeCallAttributes / demandPriority

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	typeTxDemandPriority
Properties	content: simple minOccurs: 0 default: normal
Facets	enumeration normal enumeration preemptive enumeration emergency
Source	<xs:element name="demandPriority" type="typeTxDemandPriority" default="normal" minOccurs="0"/>

Element typeCallAttributes / txCoverageInfo

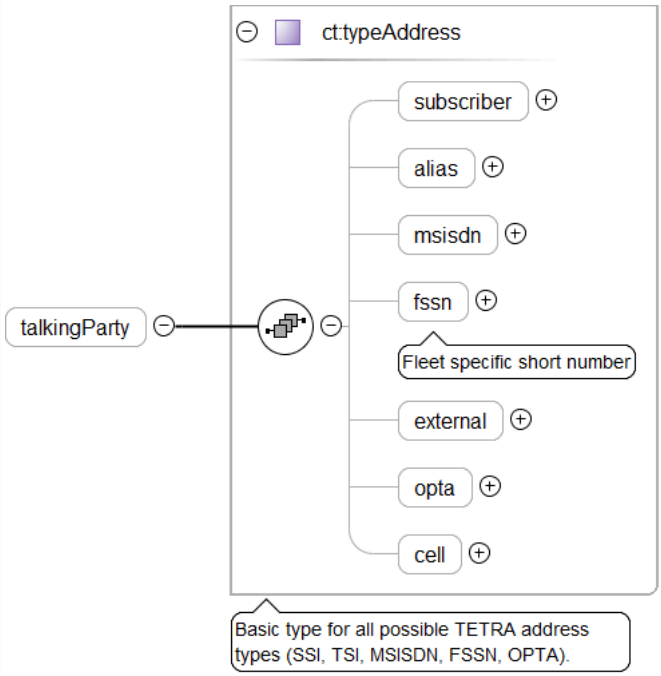
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes		
Diagram			
Type	typeTxCoverageInfo		
Properties	content: simple minOccurs: 0 default: dummy		
Facets	enumeration	dummy	Coverage information is not valid.
	enumeration	all	All resources were successfully reserved within group area.
	enumeration	partial	Resources were reserved only partly within group area.
	enumeration	none	No resources were reserved within group area.
Source	<xs:element name="txCoverageInfo" type="typeTxCoverageInfo" minOccurs="0" default="dummy"/>		

Element typeTxGranted / txGrant

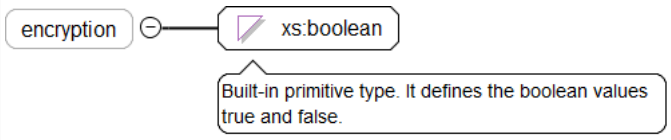
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	typeTxGrant
Properties	content: simple
Facets	enumeration granted

	enumeration	notGranted
	enumeration	queued
	enumeration	granted2another
Source	<xs:element name="txGrant" type="typeTxGrant"/>	

Element typeTxGranted / talkingParty

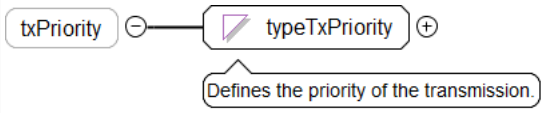
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	ct:typeAddress
Properties	content: complex minOccurs: 0
Model	ct:subscriber{0,1} , ct:alias{0,1} , ct:msisdn{0,1} , ct:fssn{0,1} , ct:external{0,1} , ct:opta{0,1} , ct:cell{0,1}
Children	ct:alias, ct:cell, ct:external, ct:fssn, ct:msisdn,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

Element typeTxGranted / encryption

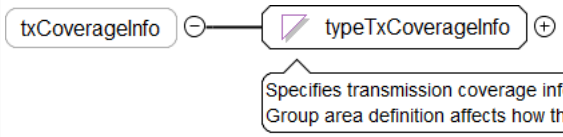
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	xs:boolean
Properties	content: simple minOccurs: 0 default: true

Source	`<xs:element name="encryption" type="xs:boolean" default="true" minOccurs="0"/>`

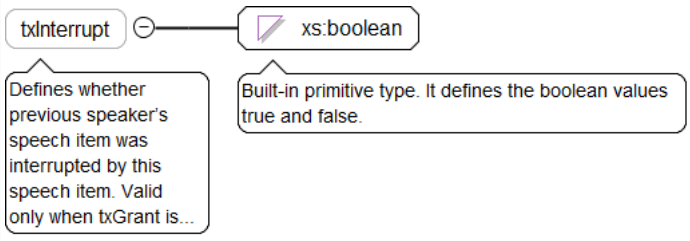
Element typeTxGranted / txPriority

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	typeTxPriority
Properties	content: simple minOccurs: 0 default: normal
Facets	enumeration normal enumeration emergency
Source	`<xs:element name="txPriority" type="typeTxPriority" minOccurs="0" default="normal"/>`

Element typeTxGranted / txCoverageInfo

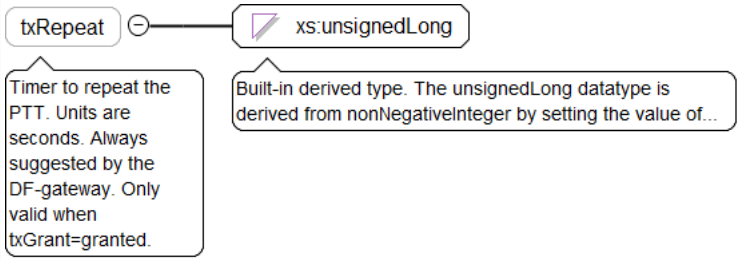
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	typeTxCoverageInfo
Properties	content: simple minOccurs: 0 default: dummy
Facets	enumeration dummy — Coverage information is not valid. enumeration all — All resources were successfully reserved within group area. enumeration partial — Resources were reserved only partly within group area. enumeration none — No resources were reserved within group area.
Source	`<xs:element name="txCoverageInfo" type="typeTxCoverageInfo" minOccurs="0" default="dummy"/>`

Element typeTxGranted / txInterrupt

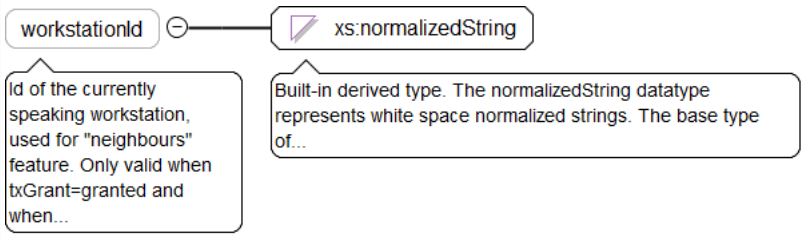
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Defines whether previous speaker's speech item was interrupted by this speech item. Valid only when txGrant is granted2another.
Diagram	
Type	xs:boolean
Properties	content: simple minOccurs: 0 default: false

Source	<xs:element name="txInterrupt" type="xs:boolean" default="false" minOccurs="0"> <xs:annotation> <xs:documentation>Defines whether previous speaker's speech item was interrupted by this speech item. Valid only when txGrant is granted2another.</xs:documentation> </xs:annotation> </xs:element>

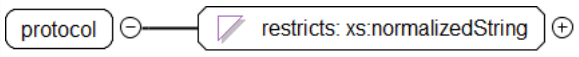
Element typeTxGranted / txRepeat

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Timer to repeat the PTT. Units are seconds. Always suggested by the DF-gateway. Only valid when txGrant=granted.
Diagram	
Type	xs:unsignedLong
Properties	content: simple minOccurs: 0 default: 0
Source	<xs:element name="txRepeat" type="xs:unsignedLong" minOccurs="0" default="0"> <xs:annotation> <xs:documentation>Timer to repeat the PTT. Units are seconds. Always suggested by the DF-gateway. Only valid when txGrant=granted.</xs:documentation> </xs:annotation> </xs:element>

Element typeTxGranted / workstationId

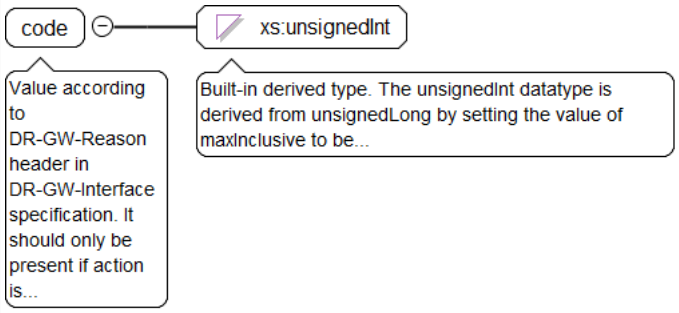
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Id of the currently speaking workstation, used for "neighbours" feature. Only valid when txGrant=granted and when supplied by the DF-client in PTT request.
Diagram	
Type	xs:normalizedString
Properties	content: simple minOccurs: 0
Source	<xs:element name="workstationId" type="xs:normalizedString" minOccurs="0"> <xs:annotation> <xs:documentation>Id of the currently speaking workstation, used for "neighbours" feature. Only valid when txGrant=granted and when supplied by the DF-client in PTT request.</xs:documentation> </xs:annotation> </xs:element>

Element typeDisconnectCause / protocol

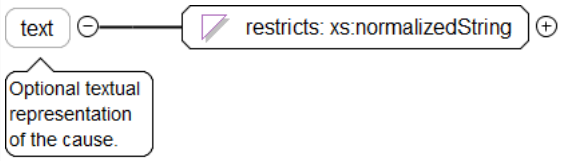
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Type	restriction of xs:normalizedString

Properties	content:	simple
Facets	enumeration	DR-GW
	enumeration	TCS-API
Source	<xs:element name="protocol"> <xs:simpleType> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="DR-GW"/> <xs:enumeration value="TCS-API"/> </xs:restriction> </xs:simpleType> </xs:element>	

Element typeDisconnectCause / code

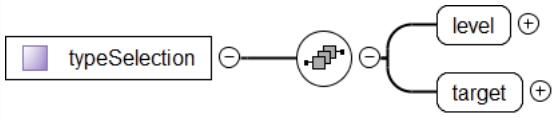
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Value according to DR-GW-Reason header in DR-GW-Interface specification. It should only be present if action is "disconnected" and holds the reason for call disconnection.
Diagram	
Type	xs:unsignedInt
Properties	content: simple
Source	<xs:element name="code" type="xs:unsignedInt"> <xs:annotation> <xs:documentation>Value according to DR-GW-Reason header in DR-GW-Interface specification. It should only be present if action is "disconnected" and holds the reason for call disconnection.</xs:documentation> </xs:annotation> </xs:element>

Element typeDisconnectCause / text

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Optional textual representation of the cause.
Diagram	
Type	restriction of xs:normalizedString
Properties	content: simple minOccurs: 0
Facets	maxLength 80
Source	<xs:element name="text" minOccurs="0"> <xs:annotation> <xs:documentation>Optional textual representation of the cause.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:normalizedString"> <xs:maxLength value="80"/> </xs:restriction> </xs:simpleType> </xs:element>

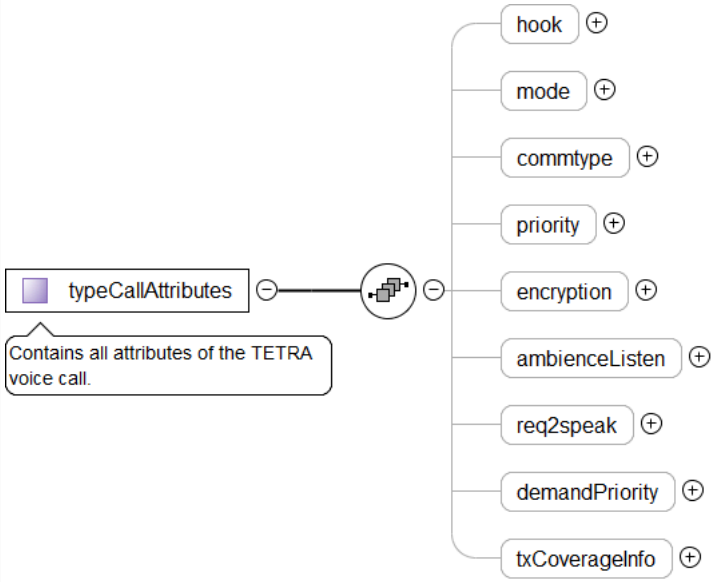
Complex Type(s)

Complex Type `typeSelection`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	
Diagram	
Used by	Element Call_Select/sel
Model	level , target
Children	level, target

Source	`<xs:complexType name="typeSelection">`
	`  <xs:annotation>`
	`  <xs:documentation/>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="level" type="typeSelectionLevel"/>`
	`  <xs:element name="target" type="ct:typeAddress"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

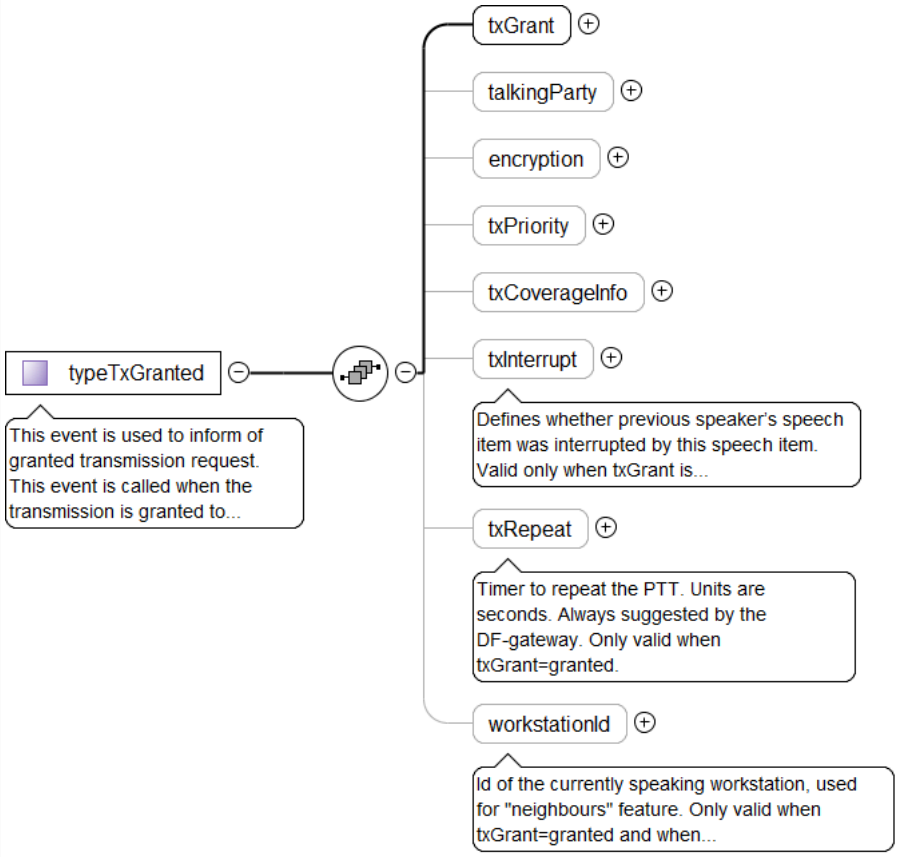
Complex Type `typeCallAttributes`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	`Contains all attributes of the TETRA voice call.`
Diagram	
Used by	Elements Call_PTTRequest/attributes, Call_Request/attributes
Model	hook{0,1} , mode{0,1} , commtype{0,1} , priority{0,1} , encryption{0,1} , ambienceListen{0,1} , req2speak{0,1} , demandPriority{0,1} , txCoverageInfo{0,1}
Children	ambienceListen, commtype, demandPriority, encryption, hook, mode, priority, req2speak, txCoverageInfo

Source	`<xs:complexType name="typeCallAttributes">`
	`  <xs:annotation>`
	`  <xs:documentation>Contains all attributes of the TETRA voice call.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="hook" type="xs:boolean" minOccurs="0"/>`
	`  <xs:element name="mode" type="typeCallMode" minOccurs="0"/>`
	`  <xs:element name="commtype" type="typeCallType" minOccurs="0"/>`
	`  <xs:element name="priority" type="xs:unsignedByte" default="1" minOccurs="0"/>`
	`  <xs:element name="encryption" type="xs:boolean" default="true" minOccurs="0"/>`
	`  <xs:element name="ambienceListen" type="xs:boolean" default="0" minOccurs="0"/>`

```
    <xs:element name="req2speak" type="xs:boolean" default="1" minOccurs="0"/>
    <xs:element name="demandPriority" type="typeTxDemandPriority" default="normal" minOccurs="0"/>
    <xs:element name="txCoverageInfo" type="typeTxCoverageInfo" minOccurs="0" default="dummy"/>
  </xs:sequence>
</xs:complexType>
```

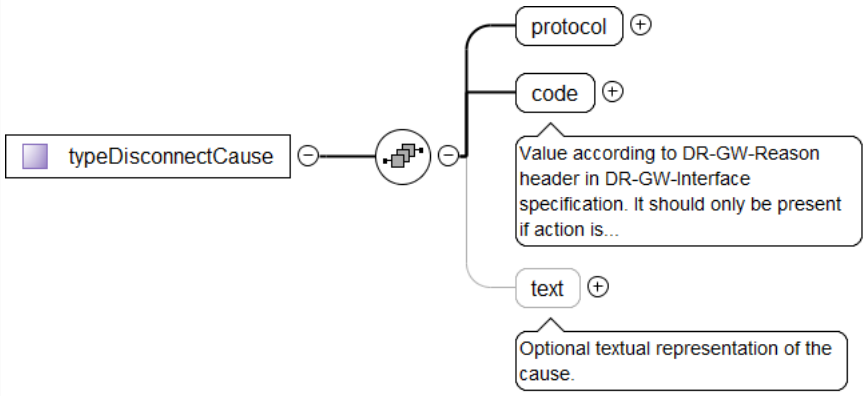
Complex Type `typeTxGranted`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	This event is used to inform of granted transmission request. This event is called when the transmission is granted to client, to another user or the request has been queued.
Diagram	
Model	txGrant , talkingParty{0,1} , encryption{0,1} , txPriority{0,1} , txCoverageInfo{0,1} , txInterrupt{0,1} , txRepeat{0,1} , workstationId{0,1}
Children	encryption, talkingParty, txCoverageInfo, txGrant, txInterrupt, txPriority, txRepeat, workstationId
Source	

```
<xs:complexType name="typeTxGranted">
  <xs:annotation>
    <xs:documentation>This event is used to inform of granted transmission request. This event
 is called when the transmission is granted to client, to another user or the request has been
 queued.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="txGrant" type="typeTxGrant"/>
    <xs:element name="talkingParty" type="ct:typeAddress" minOccurs="0"/>
    <xs:element name="encryption" type="xs:boolean" default="true" minOccurs="0"/>
    <xs:element name="txPriority" type="typeTxPriority" minOccurs="0" default="normal"/>
    <xs:element name="txCoverageInfo" type="typeTxCoverageInfo" minOccurs="0" default="dummy"/>
    <xs:element name="txInterrupt" type="xs:boolean" default="false" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Defines whether previous speaker's speech item was interrupted by this
 speech item. Valid only when txGrant is granted2another.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="txRepeat" type="xs:unsignedLong" minOccurs="0" default="0">
      <xs:annotation>
        <xs:documentation>Timer to repeat the PTT. Units are seconds. Always suggested by the DF-
gateway. Only valid when txGrant=granted.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="workstationId" type="xs:normalizedString" minOccurs="0">
```

```
      <xs:annotation>
        <xs:documentation>Id of the currently speaking workstation, used for "neighbours"
 feature. Only valid when txGrant=granted and when supplied by the DF-client in PTT request.</
xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

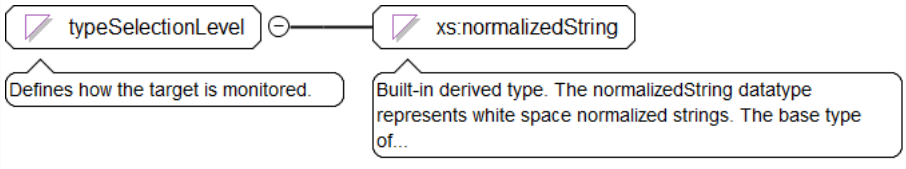
Complex Type `typeDisconnectCause`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Diagram	
Model	protocol , code , text{0,1}
Children	code, protocol, text

Source	<pre><xs:complexType name="typeDisconnectCause">
	  <xs:sequence>
	    <xs:element name="protocol">
	      <xs:simpleType>
	        <xs:restriction base="xs:normalizedString">
	          <xs:enumeration value="DR-GW"/>
	          <xs:enumeration value="TCS-API"/>
	        </xs:restriction>
	      </xs:simpleType>
	    </xs:element>
	    <xs:element name="code" type="xs:unsignedInt">
	      <xs:annotation>
	        <xs:documentation>Value according to DR-GW-Reason header in DR-GW-Interface specification.
	 It should only be present if action is "disconnected" and holds the reason for call
	 disconnection.</xs:documentation>
	      </xs:annotation>
	    </xs:element>
	    <xs:element name="text" minOccurs="0">
	      <xs:annotation>
	        <xs:documentation>Optional textual representation of the cause.</xs:documentation>
	      </xs:annotation>
	      <xs:simpleType>
	        <xs:restriction base="xs:normalizedString">
	          <xs:maxLength value="80"/>
	        </xs:restriction>
	      </xs:simpleType>
	    </xs:element>
	  </xs:sequence>
	</xs:complexType></pre>

Simple Type(s)

Simple Type `typeSelectionLevel`

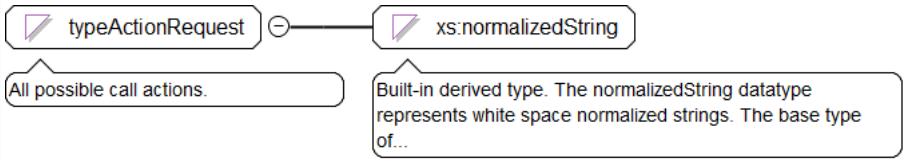
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Defines how the target is monitored.
Diagram	

Type	restriction of xs:normalizedString		
Facets	enumeration	no	No selection. Used to remove selection.
	enumeration	event	Event monitoring.
	enumeration	audio	Audio monitoring.
	enumeration	use	Selection level use.
	enumeration	a_use	Selection level active use.
Used by	Element	typeSelection/level	

Source

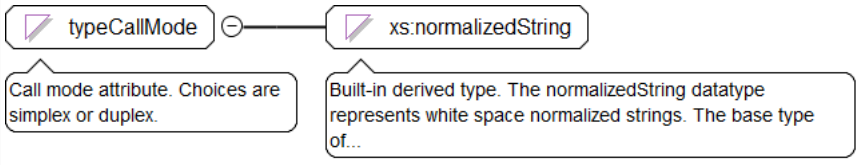
```
<xs:simpleType name="typeSelectionLevel">
  <xs:annotation>
    <xs:documentation>Defines how the target is monitored.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:normalizedString">
    <xs:enumeration value="no">
      <xs:annotation>
        <xs:documentation>No selection. Used to remove selection.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="event">
      <xs:annotation>
        <xs:documentation>Event monitoring.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="audio">
      <xs:annotation>
        <xs:documentation>Audio monitoring.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="use">
      <xs:annotation>
        <xs:documentation>Selection level use.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="a_use">
      <xs:annotation>
        <xs:documentation>Selection level active use.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

Simple Type `typeActionRequest`

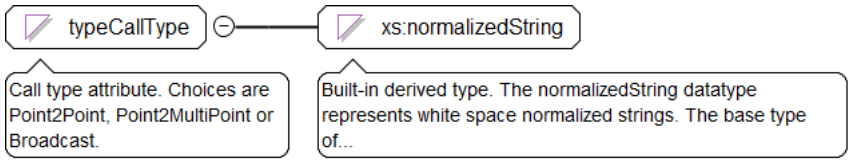
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes		
Annotations	All possible call actions.		
Diagram			
Type	restriction of xs:normalizedString		
Facets	enumeration	setup	This method is used to initiate a new call setup. For a call setup to be successful it is required that the resources have been reserved prior this method call.
	enumeration	connect	This method is used to connect an incoming call.
	enumeration	hold	This method requests to put an individual call to hold.
	enumeration	unhold	This method is a request for resuming an individual call from hold.
	enumeration	disconnect	This method is used to disconnect a call.
	enumeration	transfer	This method is used to transfer an individual call to a new recipient.
	enumeration	releasecall	This method is used to release radio subscriber's individual

	call.
Used by	Element Call_Request/action
Source	<xs:simpleType name="typeActionRequest"> <xs:annotation> <xs:documentation>All possible call actions.</xs:documentation> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="setup"> <xs:annotation> <xs:documentation>This method is used to initiate a new call setup. For a call setup to be successful it is required that the resources have been reserved prior this method call.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="connect"> <xs:annotation> <xs:documentation>This method is used to connect an incoming call.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="hold"> <xs:annotation> <xs:documentation>This method requests to put an individual call to hold.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="unhold"> <xs:annotation> <xs:documentation>This method is a request for resuming an individual call from hold.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="disconnect"> <xs:annotation> <xs:documentation>This method is used to disconnect a call.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="transfer"> <xs:annotation> <xs:documentation>This method is used to transfer an individual call to a new recipient.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="releasecall"> <xs:annotation> <xs:documentation>This method is used to release radio subscriber’s individual call.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType>

Simple Type `typeCallMode`

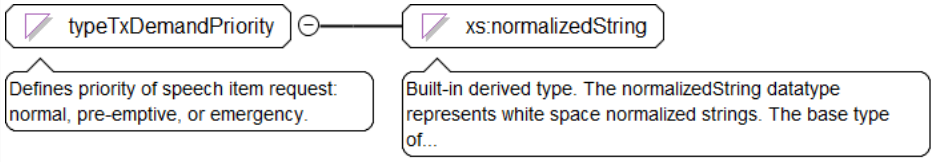
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Call mode attribute. Choices are simplex or duplex.
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration simplex enumeration duplex
Used by	Element typeCallAttributes/mode
Source	<xs:simpleType name="typeCallMode"> <xs:annotation> <xs:documentation>Call mode attribute. Choices are simplex or duplex.</xs:documentation> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="simplex"/> <xs:enumeration value="duplex"/> </xs:restriction> </xs:simpleType>

Simple Type `typeCallType`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	`Call type attribute. Choices are Point2Point, Point2MultiPoint or Broadcast.`
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration `p2p` enumeration `p2mp` enumeration `bcast`
Used by	Element typeCallAttributes/commtype

Source	`<xs:simpleType name="typeCallType">`
	`<xs:annotation>`
	`<xs:documentation>Call type attribute. Choices are Point2Point, Point2MultiPoint or Broadcast.</xs:documentation>`
	`</xs:annotation>`
	`<xs:restriction base="xs:normalizedString">`
	`<xs:enumeration value="p2p"/>`
	`<xs:enumeration value="p2mp"/>`
	`<xs:enumeration value="bcast"/>`
	`</xs:restriction>`
	`</xs:simpleType>`

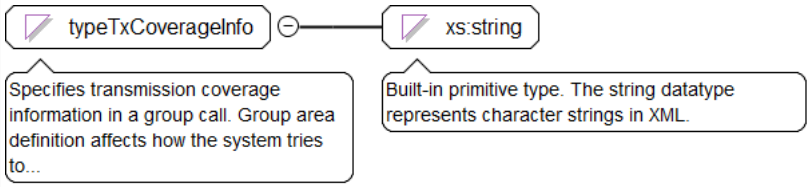
Simple Type `typeTxDemandPriority`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	`Defines priority of speech item request: normal, pre-emptive, or emergency.`
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration `normal` enumeration `preemptive` enumeration `emergency`
Used by	Element typeCallAttributes/demandPriority

Source	`<xs:simpleType name="typeTxDemandPriority">`
	`<xs:annotation>`
	`<xs:documentation>Defines priority of speech item request: normal, pre-emptive, or emergency.</xs:documentation>`
	`</xs:annotation>`
	`<xs:restriction base="xs:normalizedString">`
	`<xs:enumeration value="normal"/>`
	`<xs:enumeration value="preemptive"/>`
	`<xs:enumeration value="emergency"/>`
	`</xs:restriction>`
	`</xs:simpleType>`

Simple Type `typeTxCoverageInfo`

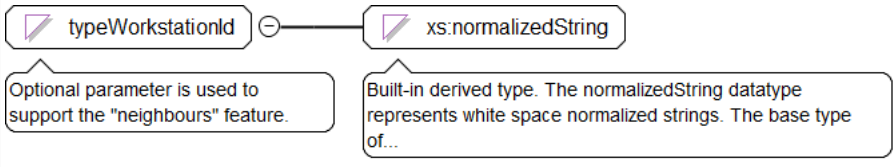
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	`Specifies transmission coverage information in a group call. Group area definition affects how the system tries to reserve resources. Group area can be defined as fixed or shifting area. If group area is defined as fixed, the system tries to reserve all cells that belong to the group area. If group area is defined as shifting area, the system tries to reserve only those cells where the group members are located.`

Diagram	
Type	restriction of xs:string
Facets	enumeration `dummy` — Coverage information is not valid. enumeration `all` — All resources were successfully reserved within group area. enumeration `partial` — Resources were reserved only partly within group area. enumeration `none` — No resources were reserved within group area.
Used by	Elements: typeCallAttributes/txCoverageInfo, typeTxGranted/txCoverageInfo

Source

```
<xs:simpleType name="typeTxCoverageInfo">
  <xs:annotation>
    <xs:documentation>Specifies transmission coverage information in a group call. Group area
 definition affects how the system tries to reserve resources. Group area can be defined as fixed
 or shifting area. If group area is defined as fixed, the system tries to reserve all cells that
 belong to the group area. If group area is defined as shifting area, the system tries to reserve
 only those cells where the group members are located.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:enumeration value="dummy">
      <xs:annotation>
        <xs:documentation>Coverage information is not valid.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="all">
      <xs:annotation>
        <xs:documentation>All resources were successfully reserved within group area.</
xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="partial">
      <xs:annotation>
        <xs:documentation>Resources were reserved only partly within group area.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="none">
      <xs:annotation>
        <xs:documentation>No resources were reserved within group area.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

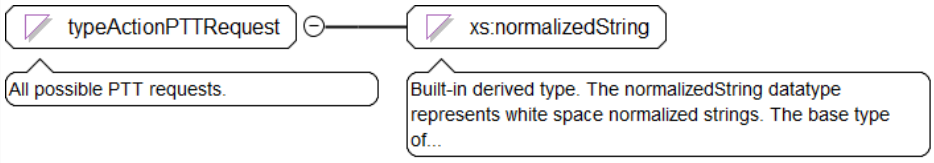
Simple Type `typeWorkstationId`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Optional parameter is used to support the "neighbours" feature.
Diagram	
Type	xs:normalizedString
Used by	Elements: Call_PTTRequest/workstationId, Call_Request/workstationId

Source

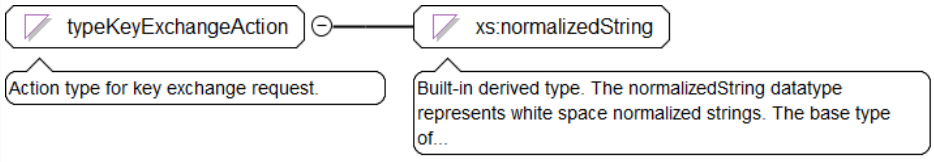
```
<xs:simpleType name="typeWorkstationId">
  <xs:annotation>
    <xs:documentation>Optional parameter is used to support the "neighbours" feature.</
xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:normalizedString">
  </xs:restriction>
</xs:simpleType>
```

Simple Type `typeActionPTTRequest`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	`All possible PTT requests.`
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration `demandtx` — `This method can be used to request a speech item for a connected call.` enumeration `ceasetx` — `This method is used to inform the system that the speech item is not needed any more.`
Used by	Element Call_PTTRequest/action

Source	`<xs:simpleType name="typeActionPTTRequest">`
	`  <xs:annotation>`
	`  <xs:documentation>All possible PTT requests.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:normalizedString">`
	`  <xs:enumeration value="demandtx">`
	`  <xs:annotation>`
	`  <xs:documentation>This method can be used to request a speech item for a connected call.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:enumeration>`
	`  <xs:enumeration value="ceasetx">`
	`  <xs:annotation>`
	`  <xs:documentation>This method is used to inform the system that the speech item is not needed any more.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:enumeration>`
	`  </xs:restriction>`
	`</xs:simpleType>`

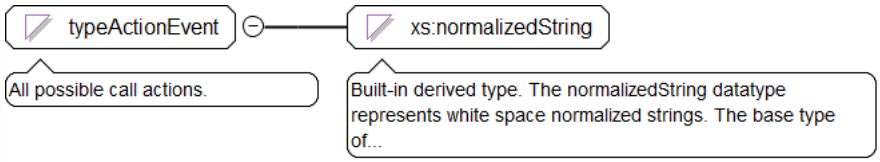
Simple Type `typeKeyExchangeAction`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	`Action type for key exchange request.`
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration `start` enumeration `stop`
Used by	Element Call_KeyExchange/action

Source	`<xs:simpleType name="typeKeyExchangeAction">`
	`  <xs:annotation>`
	`  <xs:documentation>Action type for key exchange request.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:normalizedString">`
	`  <xs:enumeration value="start"/>`
	`  <xs:enumeration value="stop"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

Simple Type `typeActionEvent`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes

Annotations	All possible call actions.
Diagram	
Type	restriction of xs:normalizedString

Facets

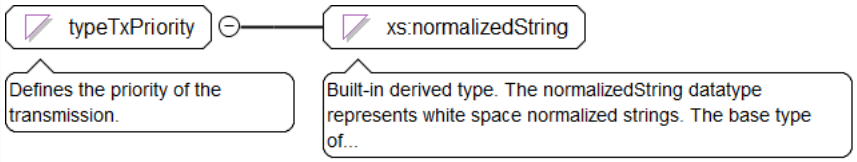
enumeration	incoming	This event fired when there is an incoming call. This is the first indication of a new incoming call.
enumeration	connected	This event is used to inform that call has been connected and call setup is finished.
enumeration	held	This event is used to inform TCS Client that individual call was put to hold.
enumeration	resumed	This event is used to inform that individual call has been taken from hold.
enumeration	disconnected	This event is used to inform that the call was disconnected.
enumeration	transferred	This event is a response to transfer method call and indicates the result of the request.

Source

```
<xs:simpleType name="typeActionEvent">
  <xs:annotation>
    <xs:documentation>All possible call actions.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:normalizedString">
    <xs:enumeration value="incoming">
      <xs:annotation>
        <xs:documentation>This event fired when there is an incoming call. This is the first
 indication of a new incoming call.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="connected">
      <xs:annotation>
        <xs:documentation>This event is used to inform that call has been connected and call setup
 is finished.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="held">
      <xs:annotation>
        <xs:documentation>This event is used to inform TCS Client that individual call was put to
 hold.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="resumed">
      <xs:annotation>
        <xs:documentation>This event is used to inform that individual call has been taken from
 hold.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="disconnected">
      <xs:annotation>
        <xs:documentation>This event is used to inform that the call was disconnected.</
xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="transferred">
      <xs:annotation>
        <xs:documentation>This event is a response to transfer method call and indicates the result
 of the request.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

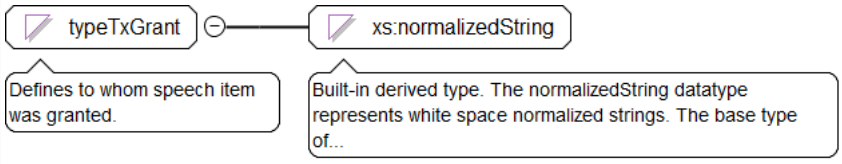
Simple Type typeTxPriority

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Defines the priority of the transmission.

Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration `normal` enumeration `emergency`
Used by	Element typeTxGranted/txPriority

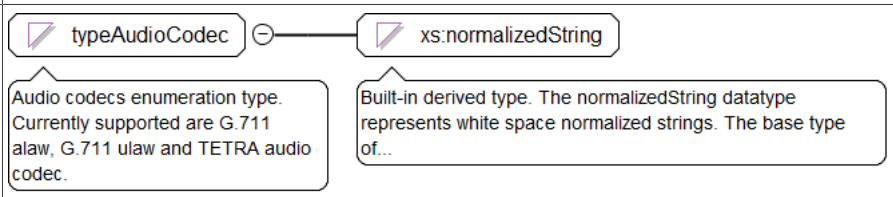
Source	`<xs:simpleType name="typeTxPriority">`
	`  <xs:annotation>`
	`  <xs:documentation>Defines the priority of the transmission.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:normalizedString">`
	`  <xs:enumeration value="normal"/>`
	`  <xs:enumeration value="emergency"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

Simple Type `typeTxGrant`

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	`Defines to whom speech item was granted.`
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration `granted` enumeration `notGranted` enumeration `queued` enumeration `granted2another`
Used by	Element typeTxGranted/txGrant

Source	`<xs:simpleType name="typeTxGrant">`
	`  <xs:annotation>`
	`  <xs:documentation>Defines to whom speech item was granted.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:normalizedString">`
	`  <xs:enumeration value="granted"/>`
	`  <xs:enumeration value="notGranted"/>`
	`  <xs:enumeration value="queued"/>`
	`  <xs:enumeration value="granted2another"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

Simple Type `typeAudioCodec`

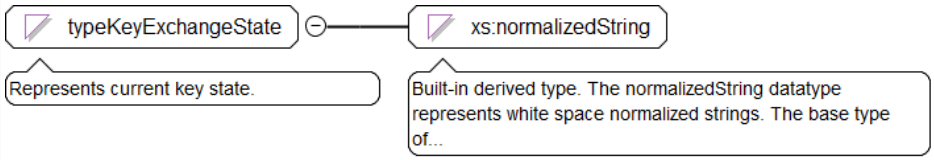
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	`Audio codecs enumeration type. Currently supported are G.711 alaw, G.711 ulaw and TETRA audio codec.`
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration `alaw`

	enumeration	ulaw
	enumeration	tetra

Source

```
<xs:simpleType name="typeAudioCodec">
  <xs:annotation>
    <xs:documentation>Audio codecs enumeration type. Currently supported are G.711 alaw, G.711 ulaw
 and TETRA audio codec.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:normalizedString">
    <xs:enumeration value="alaw"/>
    <xs:enumeration value="ulaw"/>
    <xs:enumeration value="tetra"/>
  </xs:restriction>
</xs:simpleType>
```

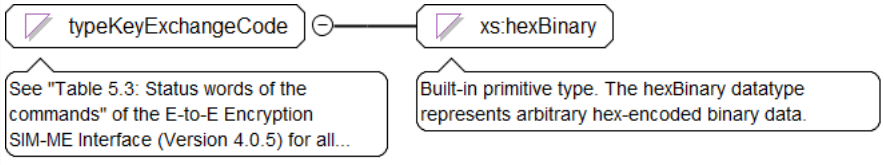
Simple Type typeKeyExchangeState

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes		
Annotations	Represents current key state.		
Diagram			
Type	restriction of xs:normalizedString		
Facets	enumeration	keyValid	current key is valid, no user action required.
	enumeration	keyInvalid	Key invalid, user must request key exchange.
	enumeration	keyExchangeInProgress	Key exchange in progress, user may abort exchange or wait until it gets finished.

Source

```
<xs:simpleType name="typeKeyExchangeState">
  <xs:annotation>
    <xs:documentation>Represents current key state.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:normalizedString">
    <xs:enumeration value="keyValid">
      <xs:annotation>
        <xs:documentation>current key is valid, no user action required.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="keyInvalid">
      <xs:annotation>
        <xs:documentation>Key invalid, user must request key exchange.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="keyExchangeInProgress">
      <xs:annotation>
        <xs:documentation>Key exchange in progress, user may abort exchange or wait until it gets
 finished.</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

Simple Type typeKeyExchangeCode

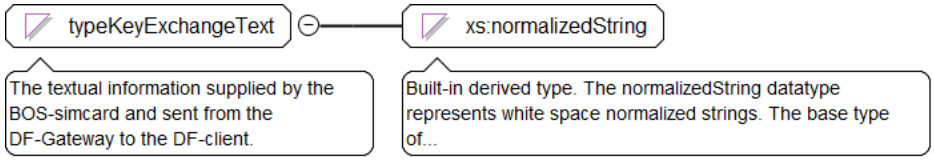
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes		
Annotations	See "Table 5.3: Status words of the commands" of the E-to-E Encryption SIM-ME Interface (Version 4.0.5) for all possible code values.		
Diagram			
Type	restriction of xs:hexBinary		
Facets	length	2	

Source

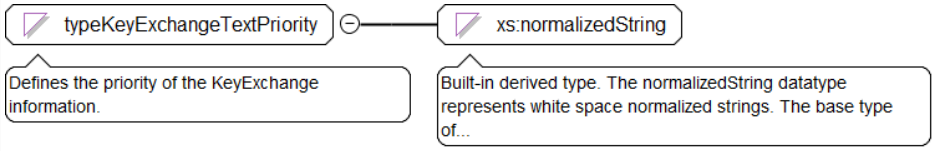
```
<xs:simpleType name="typeKeyExchangeCode">
```

```
  <xs:annotation>
    <xs:documentation>See "Table 5.3: Status words of the commands" of the E-to-E Encryption SIM-ME
 Interface (Version 4.0.5) for all possible code values.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:hexBinary">
    <xs:length value="2"/>
  </xs:restriction>
</xs:simpleType>
```

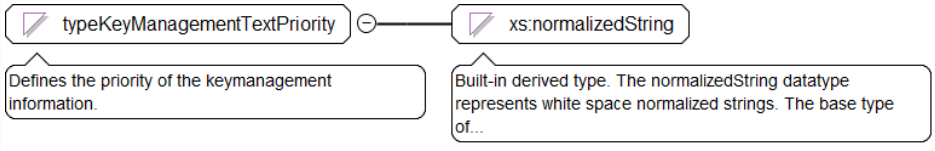
Simple Type typeKeyExchangeText

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	The textual information supplied by the BOS-simcard and sent from the DF-Gateway to the DF-client.
Diagram	
Type	restriction of xs:normalizedString
Facets	maxLength 100
Source	<xs:simpleType name="typeKeyExchangeText"> <xs:annotation> <xs:documentation>The textual information supplied by the BOS-simcard and sent from the DF-Gateway to the DF-client.</xs:documentation> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:maxLength value="100"/> </xs:restriction> </xs:simpleType>

Simple Type typeKeyExchangeTextPriority

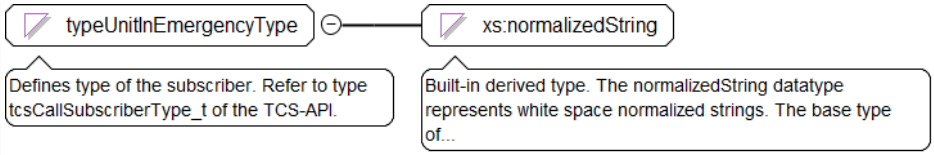
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Defines the priority of the KeyExchange information.
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration normal enumeration high
Source	<xs:simpleType name="typeKeyExchangeTextPriority"> <xs:annotation> <xs:documentation>Defines the priority of the KeyExchange information.</xs:documentation> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="normal"/> <xs:enumeration value="high"/> </xs:restriction> </xs:simpleType>

Simple Type typeKeyManagementTextPriority

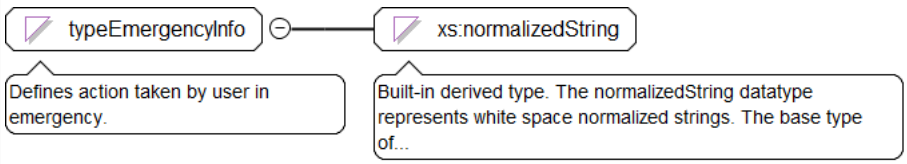
Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Defines the priority of the keymanagement information.
Diagram	
Type	restriction of xs:normalizedString

Facets	enumeration	normal
	enumeration	high
Source	<xs:simpleType name="typeKeyManagementTextPriority"> <xs:annotation> <xs:documentation>Defines the priority of the keymanagement information.</xs:documentation> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="normal"/> <xs:enumeration value="high"/> </xs:restriction> </xs:simpleType>	

Simple Type typeUnitInEmergencyType

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Defines type of the subscriber. Refer to type tcsCallSubscriberType_t of the TCS-API.
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration: dummy enumeration: ms enumeration: g4wif enumeration: external enumeration: ws
Source	<xs:simpleType name="typeUnitInEmergencyType"> <xs:annotation> <xs:documentation>Defines type of the subscriber. Refer to type tcsCallSubscriberType_t of the TCS-API.</xs:documentation> </xs:annotation> <xs:restriction base="xs:normalizedString"> <xs:enumeration value="dummy"/> <xs:enumeration value="ms"/> <xs:enumeration value="g4wif"/> <xs:enumeration value="external"/> <xs:enumeration value="ws"/> </xs:restriction> </xs:simpleType>

Simple Type typeEmergencyInfo

Namespace	DR-GW-Interface/DR-GW-Call.CommonTypes
Annotations	Defines action taken by user in emergency.
Diagram	
Type	restriction of xs:normalizedString
Facets	enumeration: addTx enumeration: add enumeration: ceased enumeration: demandTx enumeration: removed enumeration: emergencyCallDisconnected
Source	<xs:simpleType name="typeEmergencyInfo"> <xs:annotation> <xs:documentation>Defines action taken by user in emergency.</xs:documentation>

```
  </xs:annotation>
  <xs:restriction base="xs:normalizedString">
    <xs:enumeration value="addTx"/>
    <xs:enumeration value="add"/>
    <xs:enumeration value="ceased"/>
    <xs:enumeration value="demandTx"/>
    <xs:enumeration value="removed"/>
    <xs:enumeration value="emergencyCallDisconnected"/>
  </xs:restriction>
</xs:simpleType>
```