

Schema documentation for NtS_XSD_V.4.0.4.0.xsd

december 1, 2016

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Namespace: "<http://www.ris.eu/nts/4.0.4.0>"

Schema(s)

Main schema **NtS_XSD_V.4.0.4.0.xsd**

Namespace	http://www.ris.eu/nts/4.0.4.0
Properties	attribute form default: unqualified element form default: qualified version: 4.0.4.0

Element(s)

Element **nts:RIS_Message**

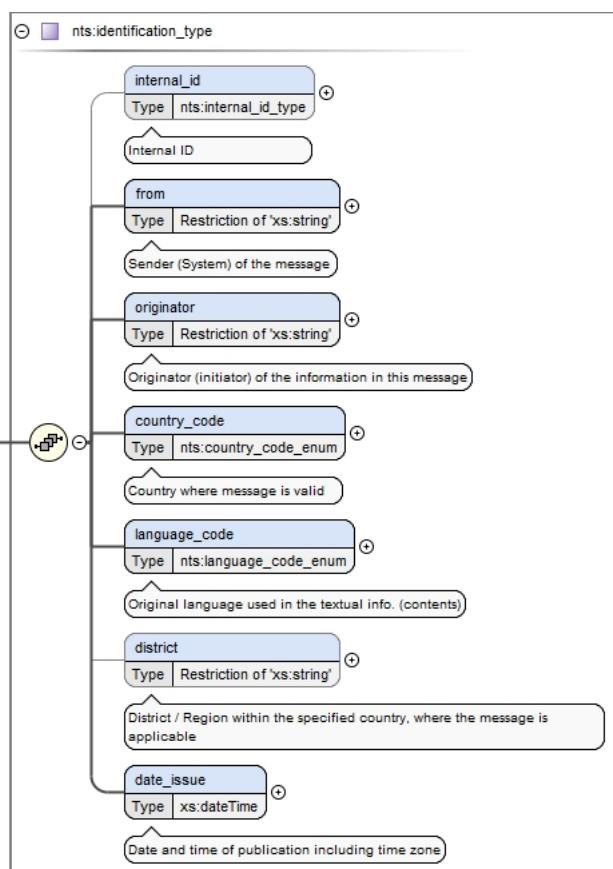
Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	River Information Service Message

Diagram	
Type	nts:RIS_Message_Type
Properties	content: complex
Model	nts:identification , (nts:ftm+ nts:wrm+ nts:icem+ nts:werm+)
Children	nts:ftm, nts:icem, nts:identification, nts:werm, nts:wrm
Instance	<pre><nts:RIS_Message xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:identification>{1,1}</nts:identification> <nts:ftm>{1,unbounded}</nts:ftm> <nts:wrm>{1,unbounded}</nts:wrm> <nts:icem>{1,unbounded}</nts:icem> <nts:werm>{1,unbounded}</nts:werm> </nts:RIS_Message></pre>
Source	<pre><xs:element name="RIS_Message" type="nts:RIS_Message_Type"> <xs:annotation> <xs:documentation>River Information Service Message</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:RIS_Message_Type / nts:identification

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Identification section

Diagram



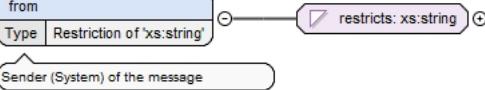
Type	<code>nts:identification_type</code>
Properties	content: complex
Model	<code>nts:internal_id{0,1}</code> , <code>nts:from</code> , <code>nts:originator</code> , <code>nts:country_code</code> , <code>nts:language_code</code> , <code>nts:district{0,1}</code> , <code>nts:date_issue</code>
Children	<code>nts:country_code</code> , <code>nts:date_issue</code> , <code>nts:district</code> , <code>nts:from</code> , <code>nts:internal_id</code> , <code>nts:language_code</code> , <code>nts:originator</code>
Instance	<pre> <nts:identification xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:internal_id>{0,1}</nts:internal_id> <nts:from>{1,1}</nts:from> <nts:originator>{1,1}</nts:originator> <nts:country_code>{1,1}</nts:country_code> <nts:language_code>{1,1}</nts:language_code> <nts:district>{0,1}</nts:district> <nts:date_issue>{1,1}</nts:date_issue> </nts:identification> </pre>
Source	<pre> <x:element name="identification" type="nts:identification_type"> <x:annotation> <x:documentation>Identification section</x:documentation> </x:annotation> </x:element> </pre>

Element `nts:identification_type` / `nts:internal_id`

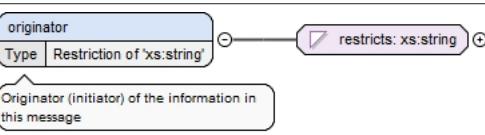
Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Internal ID				
Diagram	<pre> classDiagram class internal_id { <<Internal ID>> } class nts:internal_id_type { <<nts:internal_id_type>> } internal_id "1" *-- "1" nts:internal_id_type </pre> <p>The diagram shows the relationship between <code>internal_id</code> and <code>nts:internal_id_type</code>. An annotation <code>Internal ID - best practice: global unique identifier</code> is associated with the <code>nts:internal_id_type</code> class.</p>				
Type	<code>nts:internal_id_type</code>				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Facets	maxLength 64				
Source	<pre> <x:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> </pre>				

```
<xs:annotation>
  <xs:documentation>Internal ID</xs:documentation>
</xs:annotation>
</xs:element>
```

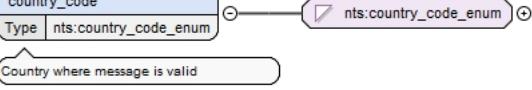
Element nts:identification_type / nts:from

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Sender (System) of the message
Diagram	
Type	restriction of xs:string
Properties	content: simple
Facets	maxLength 64
Source	<pre><xs:element name="from"> <xs:annotation> <xs:documentation>Sender (System) of the message</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Element nts:identification_type / nts:originator

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Originator (initiator) of the information in this message
Diagram	
Type	restriction of xs:string
Properties	content: simple
Facets	maxLength 64
Source	<pre><xs:element name="originator"> <xs:annotation> <xs:documentation>Originator (initiator) of the information in this message</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Element nts:identification_type / nts:country_code

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Country where message is valid
Diagram	
Type	nts:country_code_enum
Properties	content: simple
Facets	maxLength 2 enumeration AT

	enumeration	BE
	enumeration	BG
	enumeration	CH
	enumeration	CY
	enumeration	CZ
	enumeration	DE
	enumeration	DK
	enumeration	EE
	enumeration	ES
	enumeration	FI
	enumeration	FR
	enumeration	GB
	enumeration	GR
	enumeration	HR
	enumeration	HU
	enumeration	IE
	enumeration	IT
	enumeration	LT
	enumeration	LU
	enumeration	LV
	enumeration	MD
	enumeration	ME
	enumeration	MT
	enumeration	NL
	enumeration	PL
	enumeration	PT
	enumeration	RO
	enumeration	RS
	enumeration	SE
	enumeration	SI
	enumeration	SK
	enumeration	RU
	enumeration	UA
Source	<pre><xs:element name="country_code" type="nts:country_code_enum"> <xs:annotation> <xs:documentation>Country where message is valid</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:identification_type / nts:language_code

Namespace	http://www.ris.eu/nts/4.0.4.0							
Annotations	Original language used in the textual info. (contents)							
Diagram	<pre> classDiagram class language_code { Type nts:language_code_enum } language_code "0..1" -- "0..1" nts:language_code_enum note over language_code, nts:language_code_enum: Original language used in the textual info. (contents) </pre>							
Type	nts:language_code_enum							
Properties	content: simple							
Facets	<table border="1"> <tr> <td>maxLength</td> <td>2</td> </tr> <tr> <td>enumeration</td> <td>DE</td> </tr> <tr> <td>enumeration</td> <td>EN</td> </tr> </table>		maxLength	2	enumeration	DE	enumeration	EN
maxLength	2							
enumeration	DE							
enumeration	EN							

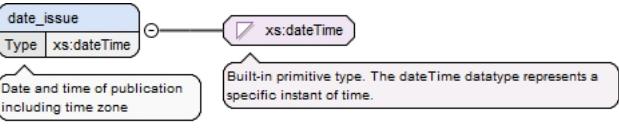
	enumeration	FR
	enumeration	NL
	enumeration	SK
	enumeration	HU
	enumeration	HR
	enumeration	SR
	enumeration	BG
	enumeration	RO
	enumeration	RU
	enumeration	CS
	enumeration	PL
	enumeration	PT
	enumeration	ES
	enumeration	SV
	enumeration	FI
	enumeration	DA
	enumeration	ET
	enumeration	LV
	enumeration	LT
	enumeration	IT
	enumeration	MT
	enumeration	EL
	enumeration	SL
Source	<pre><xs:element name="language_code" type="nts:language_code_enum"> <xs:annotation> <xs:documentation>Original language used in the textual info. (contents)</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:identification_type / nts:district

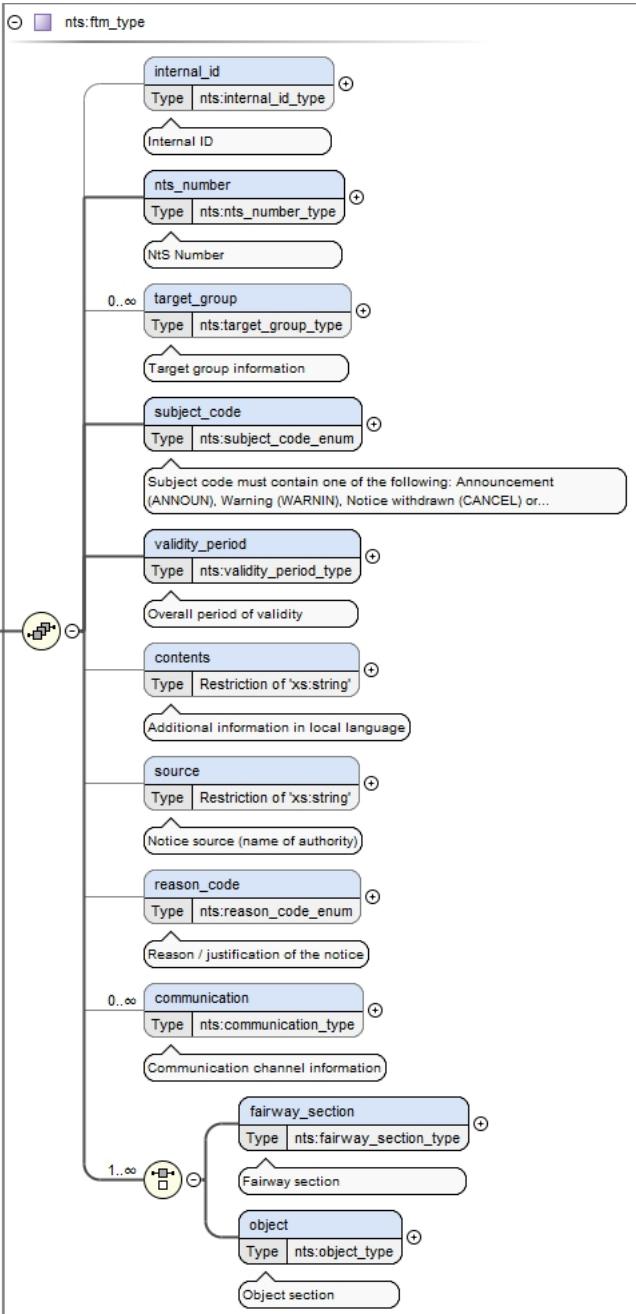
Namespace	http://www.ris.eu/nts/4.0.4.0					
Annotations	District / Region within the specified country, where the message is applicable					
Diagram	<pre> classDiagram class district { <<District / Region within the specified country, where the message is applicable>> } district "1" *-- "1" restriction: xs:string class restriction { <<restriction of xs:string>> } </pre>					
Type	restriction of xs:string					
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>		content:	simple	minOccurs:	0
content:	simple					
minOccurs:	0					
Facets	maxLength 64					
Source	<pre><xs:element name="district" minOccurs="0"> <xs:annotation> <xs:documentation>District / Region within the specified country, where the message is applicable</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element></pre>					

Element nts:identification_type / nts:date_issue

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Date and time of publication including time zone	

Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre><xs:element name="date_issue" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and time of publication including time zone</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:RIS_Message_Type / nts:ftm

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Fairway and traffic related section
Diagram	

Type	nts:ftm_type
Properties	content: complex maxOccurs: unbounded
Model	nts:internal_id{0,1} , nts:nts_number , nts:target_group* , nts:subject_code , nts:validity_period , nts:contents{0,1} , nts:source{0,1} , nts:reason_code{0,1} , nts:communication* , (nts:fairway_section nts:object)
Children	nts:communication, nts:contents, nts:fairway_section, nts:internal_id, nts:nts_number, nts:object, nts:reason_code, nts:source, nts:subject_code, nts:target_group, nts:validity_period
Instance	<pre><nts:ftm xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:internal_id>{0,1}</nts:internal_id> <nts:nts_number>{1,1}</nts:nts_number> <nts:target_group>{0,unbounded}</nts:target_group> <nts:subject_code>{1,1}</nts:subject_code> <nts:validity_period>{1,1}</nts:validity_period> <nts:contents>{0,1}</nts:contents> <nts:source>{0,1}</nts:source> <nts:reason_code>{0,1}</nts:reason_code> <nts:communication>{0,unbounded}</nts:communication> <nts:fairway_section>{1,1}</nts:fairway_section> <nts:object>{1,1}</nts:object> </nts:ftm></pre>
Source	<pre><xss:element name="ftm" type="nts:ftm_type" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Fairway and traffic related section</xss:documentation> </xss:annotation> </xss:element></pre>

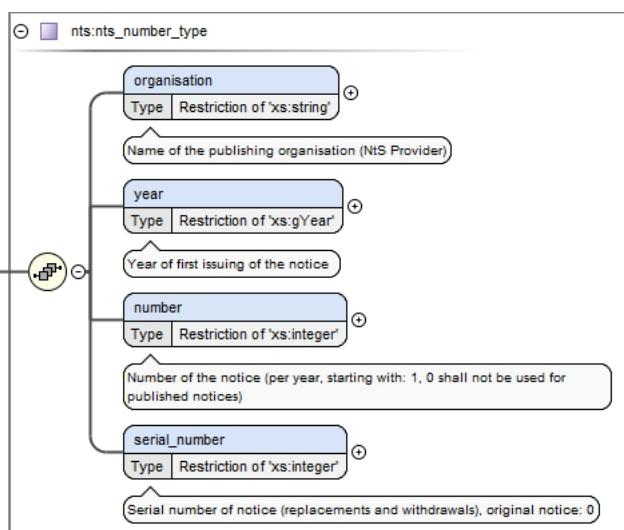
Element nts:ftm_type / nts:internal_id

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Internal ID
Diagram	<pre> classDiagram class internal_id { <<Type nts:internal_id_type>> } class nts:internal_id_type { <<Internal ID - best practice: global unique identifier>> } internal_id "0..1" o-- "1..1" nts:internal_id_type </pre>
Type	nts:internal_id_type
Properties	content: simple minOccurs: 0
Facets	maxLength 64
Source	<pre><xss:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> <xss:annotation> <xss:documentation>Internal ID</xss:documentation> </xss:annotation> </xss:element></pre>

Element nts:ftm_type / nts:nts_number

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	NtS Number

Diagram



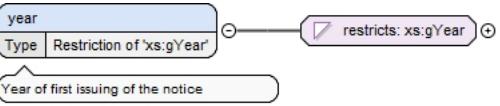
Type	nts:nts_number_type
Properties	content: complex
Model	nts:organisation , nts:year , nts:number , nts:serial_number
Children	nts:number, nts:organisation, nts:serial_number, nts:year
Instance	<nsts:nts_number xmlns:nsts="http://www.ris.eu/nts/4.0.4.0"> <nsts:organisation>{1,1}</nsts:organisation> <nsts:year>{1,1}</nsts:year> <nsts:number>{1,1}</nsts:number> <nsts:serial_number>{1,1}</nsts:serial_number> </nsts:nts_number>
Source	<xs:element name="nts_number" type="nts:nts_number_type"> <xs:annotation> <xs:documentation>NtS Number</xs:documentation> </xs:annotation> </xs:element>

Element nts:nts_number_type / nts:organisation

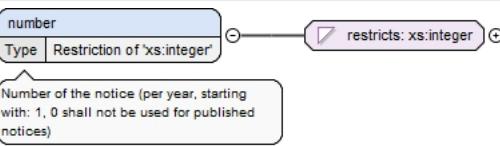
Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Name of the publishing organisation (NtS Provider)
Diagram	<pre> classDiagram class nts_organisation { organisation Type: Restriction of xs:string } </pre>
Type	restriction of xs:string
Properties	content: simple
Facets	maxLength 64
Source	<xs:element name="organisation"> <xs:annotation> <xs:documentation>Name of the publishing organisation (NtS Provider)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element>

Element nts:nts_number_type / nts:year

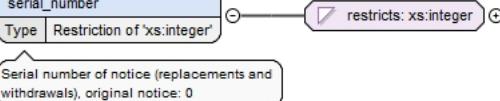
Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Year of first issuing of the notice

Diagram	
Type	restriction of xs:gYear
Properties	content: simple
Facets	maxInclusive 9999 minInclusive 1900
Source	<pre><xs:element name="year"> <xs:annotation> <xs:documentation>Year of first issuing of the notice</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:gYear"> <xs:minInclusive value="1900"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Element nts:nts_number_type / nts:number

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Number of the notice (per year, starting with: 1, 0 shall not be used for published notices)
Diagram	
Type	restriction of xs:integer
Properties	content: simple
Facets	maxInclusive 99999999 minInclusive 00000000
Source	<pre><xs:element name="number"> <xs:annotation> <xs:documentation>Number of the notice (per year, starting with: 1, 0 shall not be used for published notices)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="00000000"/> <xs:maxInclusive value="99999999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Element nts:nts_number_type / nts:serial_number

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Serial number of notice (replacements and withdrawals), original notice: 0
Diagram	
Type	restriction of xs:integer
Properties	content: simple
Facets	maxInclusive 99 minInclusive 00
Source	<pre><xs:element name="serial_number"> <xs:annotation> <xs:documentation>Serial number of notice (replacements and withdrawals), original notice: 0</xs:documentation> </xs:annotation> </xs:element></pre>

```

</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="00"/>
    <xs:maxInclusive value="99"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>

```

Element nts:ftm_type / nts:target_group

Namespace	http://www.ris.eu/nts/4.0.4.0						
Annotations	Target group information						
Diagram	<pre> classDiagram class target_group { <<nts:target_group_type>> } class target_group_code { <<nts:target_group_code>> <<nts:target_group_code_enum>> Default ALL } class direction_code { <<nts:direction_code>> <<nts:direction_code_enum>> Default ALL } target_group "1..1" -- "1..1" target_group_code target_group "1..1" -- "1..1" direction_code target_group "1..1" -- "1..1" TargetGroupVesselType class TargetGroupVesselType { <<Target group (vessel type)>> } </pre>						
Type	nts:target_group_type						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	nts:target_group_code , nts:direction_code						
Children	nts:direction_code, nts:target_group_code						
Instance	<nts:target_group xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:target_group_code>{1,1}</nts:target_group_code> <nts:direction_code>{1,1}</nts:direction_code> </nts:target_group>						
Source	<xs:element name="target_group" type="nts:target_group_type" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Target group information</xs:documentation> </xs:annotation> </xs:element>						

Element nts:target_group_type / nts:target_group_code

Namespace	http://www.ris.eu/nts/4.0.4.0																
Annotations	Target group (vessel type)																
Diagram	<pre> classDiagram class target_group_code { <<nts:target_group_code>> <<nts:target_group_code_enum>> Default ALL } class ntsTargetGroupCodeEnum { <<nts:target_group_code_enum>> } target_group_code "1..1" -- "1..1" ntsTargetGroupCodeEnum class TargetGroupVesselType { <<Target group (vessel type)>> } </pre>																
Type	nts:target_group_code_enum																
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>default:</td> <td>ALL</td> </tr> </table>	content:	simple	default:	ALL												
content:	simple																
default:	ALL																
Facets	<table border="1"> <tr> <td>maxLength</td> <td>3</td> </tr> <tr> <td>enumeration</td> <td>ALL</td> </tr> <tr> <td>enumeration</td> <td>CDG</td> </tr> <tr> <td>enumeration</td> <td>COM</td> </tr> <tr> <td>enumeration</td> <td>PAX</td> </tr> <tr> <td>enumeration</td> <td>PLE</td> </tr> <tr> <td>enumeration</td> <td>CNV</td> </tr> <tr> <td>enumeration</td> <td>PUS</td> </tr> </table>	maxLength	3	enumeration	ALL	enumeration	CDG	enumeration	COM	enumeration	PAX	enumeration	PLE	enumeration	CNV	enumeration	PUS
maxLength	3																
enumeration	ALL																
enumeration	CDG																
enumeration	COM																
enumeration	PAX																
enumeration	PLE																
enumeration	CNV																
enumeration	PUS																

	enumeration	NNU
	enumeration	LOA
	enumeration	SMA
	enumeration	CND
	enumeration	WOC
	enumeration	MOV
	enumeration	NMV
Source	<pre><xs:element name="target_group_code" type="nts:target_group_code_enum" default="ALL"> <xs:annotation> <xs:documentation>Target group (vessel type)</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:target_group_type / nts:direction_code

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Upstream or downstream traffic, or both	
Diagram	<pre> classDiagram class direction_code { <<nts:direction_code_enum>> Type nts:direction_code_enum Default ALL } direction_code "0..1" --> "1..n" nts:direction_code_enum </pre>	
Type	nts:direction_code_enum	
Properties	<p>content: simple</p> <p>default: ALL</p>	
Facets	<p>maxLength 3</p> <p>enumeration ALL</p> <p>enumeration UPS</p> <p>enumeration DWN</p>	
Source	<pre><xs:element name="direction_code" type="nts:direction_code_enum" default="ALL"> <xs:annotation> <xs:documentation>Upstream or downstream traffic, or both</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:ftm_type / nts:subject_code

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Subject code must contain one of the following: Announcement (ANNOUN), Warning (WARNIN), Notice withdrawn (CANCEL) or Information service (INFSER). More information on the use of codes can be found in the Nts Encoding Guide.	
Diagram	<pre> classDiagram class subject_code { <<nts:subject_code_enum>> Type nts:subject_code_enum } subject_code "0..1" --> "1..n" nts:subject_code_enum </pre> <p>Subject code must contain one of the following: Announcement (ANNOUN), Warning (WARNIN), Notice withdrawn (CANCEL) or...</p>	
Type	nts:subject_code_enum	
Properties	content: simple	
Facets	<p>minLength 3</p> <p>maxLength 6</p> <p>enumeration ANNOUN</p> <p>enumeration WARNIN</p> <p>enumeration CANCEL</p> <p>enumeration INFSER</p> <p>enumeration OBSTRU</p> <p>enumeration PAROBS</p>	

	enumeration	DELAY
	enumeration	VESLEN
	enumeration	VESHEI
	enumeration	VESBRE
	enumeration	VESDRA
	enumeration	AVALEN
	enumeration	CLEHEI
	enumeration	CLEWID
	enumeration	AVADEP
	enumeration	NOMOOR
	enumeration	SERVIC
	enumeration	NOSERV
	enumeration	SPEED
	enumeration	WAWWAS
	enumeration	PASSIN
	enumeration	ANCHOR
	enumeration	OVRTAK
	enumeration	MINPWR
	enumeration	DREDGE
	enumeration	WORK
	enumeration	EVENT
	enumeration	CHGMAR
	enumeration	CHGSER
	enumeration	SPCMAR
	enumeration	EXERC
	enumeration	LEADEP
	enumeration	LEVDEC
	enumeration	LEVRIS
	enumeration	LIMITA
	enumeration	MISECH
	enumeration	ECDISU
	enumeration	NEWOBJ
	enumeration	CHWWY
	enumeration	CONWWY
	enumeration	DIVER
	enumeration	SPECTR
	enumeration	LOCRUL
	enumeration	VHFCOV
	enumeration	HIGVOL
	enumeration	TURNIN
	enumeration	CONBRE
	enumeration	CONLEN
	enumeration	REMOBJ
Source	<pre><xs:element name="subject_code" type="nts:subject_code_enum"> <xs:annotation> <xs:documentation>Subject code must contain one of the following: Announcement (ANNOUN), Warning (WARNIN), Notice withdrawn (CANCEL) or Information service (INFSER). More information on the use of codes can be found in the NtS Encoding Guide.</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:ftm_type / nts:validity_period

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Overall period of validity
Diagram	<pre> classDiagram class validity_period { <<Type nts:validity_period_type>> <<Overall period of validity>> } class nts:validity_period_type { <<Start date of validity period including time zone>> <<End date of validity period including time zone>> } validity_period "1" -- "*" nts:validity_period_type nts:validity_period_type "1" -- "*" date_start : xs:date nts:validity_period_type "1" -- "*" date_end : xs:date </pre>
Type	nts:validity_period_type
Properties	content: complex
Model	nts:date_start , nts:date_end{0,1}
Children	nts:date_end, nts:date_start
Instance	<pre> <nts:validity_period xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:date_start>{1,1}</nts:date_start> <nts:date_end>{0,1}</nts:date_end> </nts:validity_period> </pre>
Source	<pre> <x:element name="validity_period" type="nts:validity_period_type"> <x:annotation> <x:documentation>Overall period of validity</x:documentation> </x:annotation> </x:element> </pre>

Element nts:validity_period_type / nts:date_start

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Start date of validity period including time zone
Diagram	<pre> classDiagram class date_start { <<Type xs:date>> <<Start date of validity period including time zone>> } class xs:date date_start --> xs:date </pre>
Type	xs:date
Properties	content: simple
Source	<pre> <x:element name="date_start" type="xs:date"> <x:annotation> <x:documentation>Start date of validity period including time zone</x:documentation> </x:annotation> </x:element> </pre>

Element nts:validity_period_type / nts:date_end

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	End date of validity period including time zone
Diagram	<pre> classDiagram class date_end { <<Type xs:date>> <<End date of validity period including time zone>> } class xs:date date_end --> xs:date </pre>
Type	xs:date
Properties	content: simple minOccurs: 0
Source	<pre> <x:element name="date_end" type="xs:date" minOccurs="0"> <x:annotation> <x:documentation>End date of validity period including time zone</x:documentation> </x:annotation> </x:element> </pre>

</xs:element>

Element nts:ftm_type / nts:contents

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Additional information in local language				
Diagram	<pre> classDiagram class contents { <<Type Restriction of 'xs:string'>> "1..1" -- "0..1" restricts : xs:string } Additional information in local language </pre>				
Type	restriction of xs:string				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Facets	<table border="1"> <tr> <td>maxLength</td> <td>500</td> </tr> </table>	maxLength	500		
maxLength	500				
Source	<pre> <xs:element name="contents" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information in local language</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="500"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>				

Element nts:ftm_type / nts:source

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Notice source (name of authority)				
Diagram	<pre> classDiagram class source { <<Type Restriction of 'xs:string'>> "1..1" -- "0..1" restricts : xs:string } Notice source (name of authority) </pre>				
Type	restriction of xs:string				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Facets	<table border="1"> <tr> <td>maxLength</td> <td>64</td> </tr> </table>	maxLength	64		
maxLength	64				
Source	<pre> <xs:element name="source" minOccurs="0"> <xs:annotation> <xs:documentation>Notice source (name of authority)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>				

Element nts:ftm_type / nts:reason_code

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Reason / justification of the notice				
Diagram	<pre> classDiagram class reason_code { <<Type nts:reason_code_enum>> "1..1" -- "0..1" nts:reason_code_enum } Reason / justification of the notice </pre>				
Type	nts:reason_code_enum				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Facets	<table border="1"> <tr> <td>minLength</td> <td>3</td> </tr> <tr> <td>maxLength</td> <td>6</td> </tr> </table>	minLength	3	maxLength	6
minLength	3				
maxLength	6				

enumeration	EVENT
enumeration	WORK
enumeration	DREDGE
enumeration	EXERC
enumeration	HIGWAT
enumeration	HIWAI
enumeration	HIWAI
enumeration	LOWWAT
enumeration	SHALLO
enumeration	CALAMI
enumeration	LAUNCH
enumeration	DECLEV
enumeration	FLOMEA
enumeration	BLDWRK
enumeration	REPAIR
enumeration	INSPEC
enumeration	FIRWRK
enumeration	LIMITA
enumeration	CHGFWY
enumeration	CONSTR
enumeration	DIVING
enumeration	SPECTR
enumeration	EXT
enumeration	MIN
enumeration	SOUND
enumeration	OTHER
enumeration	STRIKE
enumeration	FLOMAT
enumeration	EXPLOS
enumeration	ICE
enumeration	OBSTAC
enumeration	CHGMAR
enumeration	DAMMAR
enumeration	FALMAT
enumeration	MISECH
enumeration	HEARIS
enumeration	HIGVOL
enumeration	ECDISU
enumeration	LOCRUL
enumeration	NEWOBJ
enumeration	OBUNWA
enumeration	VHFCOV
enumeration	REMOBJ
enumeration	LEVRIS
enumeration	SPCMAR
enumeration	WERMCO
enumeration	INFSER
Source	<pre><xs:element name="reason_code" type="nts:reason_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Reason / justification of the notice</xs:documentation></pre>

```
</xs:annotation>
</xs:elements>
```

Element nts:ftm_type / nts:communication

Namespace	http://www.ris.eu/nts/4.0.4.0						
Annotations	Communication channel information						
Diagram	<pre> classDiagram class nts:communication_type { reporting_code : nts:reporting_code_enum communication_code : nts:communication_code_enum number : xs:string label : xs:string remark : xs:string } class communication { Type : nts:communication_type } communication <--> nts:communication_type callout "Communication channel information" points to communication </pre>						
Type	nts:communication_type						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	nts:reporting_code , nts:communication_code , nts:number{0,1} , nts:label{0,1} , nts:remark{0,1}						
Children	nts:communication_code, nts:label, nts:number, nts:remark, nts:reporting_code						
Instance	<pre> <nts:communication xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:reporting_code>{1,1}</nts:reporting_code> <nts:communication_code>{1,1}</nts:communication_code> <nts:number>{0,1}</nts:number> <nts:label>{0,1}</nts:label> <nts:remark>{0,1}</nts:remark> </nts:communication> </pre>						
Source	<pre> <xs:element name="communication" type="nts:communication_type" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Communication channel information</xs:documentation> </xs:annotation> </xs:element> </pre>						

Element nts:communication_type / nts:reporting_code

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Reporting regime (information, or duty to report)				
Diagram	<pre> classDiagram class nts:reporting_code_enum { reporting_code : nts:reporting_code_enum } callout "Reporting regime (information, or duty to report)" points to reporting_code </pre>				
Type	nts:reporting_code_enum				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple		
content:	simple				
Facets	<table border="1"> <tr> <td>maxLength</td> <td>3</td> </tr> <tr> <td>enumeration</td> <td>INF</td> </tr> </table>	maxLength	3	enumeration	INF
maxLength	3				
enumeration	INF				

	enumeration	ADD
	enumeration	REG
Source	<pre><xs:element name="reporting_code" type="nts:reporting_code_enum"> <xs:annotation> <xs:documentation>Reporting regime (information, or duty to report)</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:communication_type / nts:communication_code

Namespace	http://www.ris.eu/nts/4.0.4.0																							
Annotations	Communication code (telephone, VHF etc.)																							
Diagram	<pre> classDiagram class communication_code { <<Communication code (telephone, VHF etc.)>> } class nts:communication_code_enum { <<nets:communication_code_enum>> } communication_code "0..1" --> "1..1" nts:communication_code_enum </pre>																							
Type	nts:communication_code_enum																							
Properties	content: simple																							
Facets	<table border="1"> <tr><td>maxLength</td><td>3</td></tr> <tr><td>enumeration</td><td>TE</td></tr> <tr><td>enumeration</td><td>AP</td></tr> <tr><td>enumeration</td><td>EM</td></tr> <tr><td>enumeration</td><td>AH</td></tr> <tr><td>enumeration</td><td>TT</td></tr> <tr><td>enumeration</td><td>FX</td></tr> <tr><td>enumeration</td><td>LS</td></tr> <tr><td>enumeration</td><td>FS</td></tr> <tr><td>enumeration</td><td>SO</td></tr> <tr><td>enumeration</td><td>EI</td></tr> </table>		maxLength	3	enumeration	TE	enumeration	AP	enumeration	EM	enumeration	AH	enumeration	TT	enumeration	FX	enumeration	LS	enumeration	FS	enumeration	SO	enumeration	EI
maxLength	3																							
enumeration	TE																							
enumeration	AP																							
enumeration	EM																							
enumeration	AH																							
enumeration	TT																							
enumeration	FX																							
enumeration	LS																							
enumeration	FS																							
enumeration	SO																							
enumeration	EI																							
Source	<pre><xs:element name="communication_code" type="nts:communication_code_enum"> <xs:annotation> <xs:documentation>Communication code (telephone, VHF etc.)</xs:documentation> </xs:annotation> </xs:element></pre>																							

Element nts:communication_type / nts:number

Namespace	http://www.ris.eu/nts/4.0.4.0					
Annotations	Telephone, VHF number (including callsign), e-mail address, URL or teletext					
Diagram	<pre> classDiagram class number { <<Telephone, VHF number (including callsign), e-mail address, URL or teletext>> } class xs:string { <<xs:string>> } number "0..1" --> "0..1" xs:string </pre>					
Type	restriction of xs:string					
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> </table>		content:	simple	minOccurs:	0
content:	simple					
minOccurs:	0					
Facets	maxLength 128					
Source	<pre><xs:element name="number" minOccurs="0"> <xs:annotation> <xs:documentation>Telephone, VHF number (including callsign), e-mail address, URL or teletext</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="128"/> </xs:restriction> </xs:simpleType> </xs:element></pre>					

Element nts:communication_type / nts:label

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Name of the attachment or additional information				
Diagram	<pre> classDiagram class label { <<Type Restriction of 'xs:string'>> } label --o > restriction: xs:string note over restriction: Name of the attachment or additional information </pre>				
Type	restriction of xs:string				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Facets	<table border="1"> <tr> <td>maxLength</td> <td>256</td> </tr> </table>	maxLength	256		
maxLength	256				
Source	<pre> <xs:element name="label" minOccurs="0"> <xs:annotation> <xs:documentation>Name of the attachment or additional information</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>				

Element nts:communication_type / nts:remark

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Additional remarks concerning the communication				
Diagram	<pre> classDiagram class remark { <<Type Restriction of 'xs:string'>> } remark --o > restriction: xs:string note over restriction: Additional remarks concerning the communication </pre>				
Type	restriction of xs:string				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Facets	<table border="1"> <tr> <td>maxLength</td> <td>1024</td> </tr> </table>	maxLength	1024		
maxLength	1024				
Source	<pre> <xs:element name="remark" minOccurs="0"> <xs:annotation> <xs:documentation>Additional remarks concerning the communication</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="1024"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>				

Element nts:ftm_type / nts:fairway_section

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Fairway section
Diagram	<pre> classDiagram class fairway_section { <<nts:fairway_section_type>> } fairway_section --o > geo_object: nts:geo_object_type geo_object --o > limitation: nts:limitation_type note over fairway_section: Fairway section note over geo_object: Geo information of fairway </pre>
Type	nts:fairway_section_type

Properties	content: complex
Model	nts:geo_object , nts:limitation*
Children	nts:geo_object, nts:limitation
Instance	<pre><nts:fairway_section xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:geo_object>{1,1}</nts:geo_object> <nts:limitation>{0,unbounded}</nts:limitation> </nts:fairway_section></pre>
Source	<pre><xs:element name="fairway_section" type="nts:fairway_section_type"> <xs:annotation> <xs:documentation>Fairway section</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:fairway_section_type / nts:geo_object

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Geo information of fairway
Diagram	<pre> classDiagram class geo_object { Type nts:geo_object_type } class nts:geo_object_type { 1..2 id : nts:isrs_code_type name : Restriction of xs:string type_code : nts:type_code_enum position_code : nts:position_code_enum 0..2 coordinate : nts:coordinate_type fairway_name : Restriction of xs:string } geo_object "1" --> "1" nts:geo_object_type </pre>
Type	nts:geo_object_type
Properties	content: complex
Model	nts:id{1,2} , nts:name , nts:type_code , nts:position_code{0,1} , nts:coordinate{0,2} , nts:fairway_name{0,1}
Children	nts:coordinate, nts:fairway_name, nts:id, nts:name, nts:position_code, nts:type_code
Instance	<pre><nts:geo_object xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:id>{1,2}</nts:id> <nts:name>{1,1}</nts:name> <nts:type_code>{1,1}</nts:type_code> <nts:position_code>{0,1}</nts:position_code> <nts:coordinate>{0,2}</nts:coordinate> <nts:fairway_name>{0,1}</nts:fairway_name> </nts:geo_object></pre>
Source	<pre><xs:element name="geo_object" type="nts:geo_object_type"> <xs:annotation> <xs:documentation>Geo information of fairway</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:geo_object_type / nts:id

Namespace	http://www.ris.eu/nts/4.0.4.0
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Annotations	ISRS Location Code of the fairway/object
Diagram	<p>ISRS Location Code of the fairway/object</p> <p>ISRS location code, unique identification of the geo object as defined in RIS Index encoding guide</p>
Type	nts:isrs_code_type
Properties	content: simple maxOccurs: 2
Facets	length 20 pattern [A-Z]{2}[A-Z]{3}[A-Z0-9]{5}[A-Z0-9]{5}
Source	<pre><xs:element name="id" type="nts:isrs_code_type" maxOccurs="2"> <xs:annotation> <xs:documentation>ISRS Location Code of the fairway/object</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:geo_object_type / nts:name

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Local name of the fairway section
Diagram	<p>Local name of the fairway section</p>
Type	restriction of xs:string
Properties	content: simple
Facets	maxLength 256
Source	<pre><xs:element name="name"> <xs:annotation> <xs:documentation>Local name of the fairway section</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Element nts:geo_object_type / nts:type_code

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Type of geographical object
Diagram	<p>Type of geographical object</p>
Type	nts:type_code_enum
Properties	content: simple default: FWY
Facets	maxLength 3 enumeration RIV enumeration CAN enumeration LAK enumeration FWY enumeration LCK enumeration BRI

	enumeration RMP
	enumeration BAR
	enumeration BNK
	enumeration GAU
	enumeration BUO
	enumeration BEA
	enumeration ANC
	enumeration BER
	enumeration MOO
	enumeration TER
	enumeration HAR
	enumeration FDO
	enumeration CAB
	enumeration FER
	enumeration PIP
	enumeration PPO
	enumeration HFA
	enumeration HMO
	enumeration SHY
	enumeration REF
	enumeration MAR
	enumeration LIG
	enumeration SIG
	enumeration TUR
	enumeration CBR
	enumeration TUN
	enumeration BCO
	enumeration REP
	enumeration FLO
	enumeration SLI
	enumeration DUK
	enumeration VTC
	enumeration RES
	enumeration LKB
	enumeration BRO
	enumeration BNS
Source	<pre><xs:element name="type_code" type="nts:type_code_enum" default="FWY"> <xs:annotation> <xs:documentation>Type of geographical object</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:geo_object_type / nts:position_code

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Describes the position related to the fairway
Diagram	<pre> classDiagram class position_code { Type nts:position_code_enum } position_code "1" -- "1" nts:position_code_enum nts:position_code_enum "1" *-- "1" nts:position_code_enum note over nts:position_code_enum: Describes the position related to the fairway </pre>
Type	nts:position_code_enum
Properties	content: simple

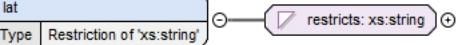
	minOccurs:	0
Facets	maxLength	2
	enumeration	AL
	enumeration	LE
	enumeration	MI
	enumeration	RI
	enumeration	LB
	enumeration	RB
	enumeration	N
	enumeration	NE
	enumeration	E
	enumeration	SE
	enumeration	S
	enumeration	SW
	enumeration	W
	enumeration	NW
	enumeration	BI
	enumeration	SM
	enumeration	OL
	enumeration	EW
	enumeration	MP
	enumeration	FP
	enumeration	VA
	enumeration	RY
	enumeration	GY
Source	<pre><xs:element name="position_code" type="nts:position_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Describes the position related to the fairway</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:geo_object_type / nts:coordinate

Namespace	http://www.ris.eu/nts/4.0.4.0						
Annotations	Fairway section begin and end coordinates						
Diagram	<pre> classDiagram class coordinate { Type nts:coordinate_type } class nts:coordinate_type { +lat : Type Restriction of 'xs:string' +long : Type Restriction of 'xs:string' } coordinate < -- nts:coordinate_type note over coordinate, nts:coordinate_type: Fairway section begin and end coordinates </pre>						
Type	nts:coordinate_type						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>2</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	2
content:	complex						
minOccurs:	0						
maxOccurs:	2						
Model	nts:lat , nts:long						
Children	nts:lat, nts:long						
Instance	<pre><nts:coordinate xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:lat>{1,1}</nts:lat> <nts:long>{1,1}</nts:long> </nts:coordinate></pre>						
Source	<pre><xs:element name="coordinate" type="nts:coordinate_type" minOccurs="0" maxOccurs="2"> <xs:annotation></pre>						

```
<xs:documentation>Fairway section begin and end coordinates</xs:documentation>
</xs:annotation>
</xs:element>
```

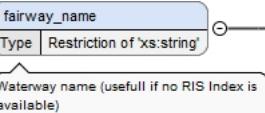
Element nts:coordinate_type / nts:lat

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	
Type	restriction of xs:string
Properties	content: simple
Facets	minLength 10 maxLength 12
Source	<pre><xs:element name="lat"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="10"/> <xs:maxLength value="12"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Element nts:coordinate_type / nts:long

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	
Type	restriction of xs:string
Properties	content: simple
Facets	minLength 10 maxLength 13
Source	<pre><xs:element name="long"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="10"/> <xs:maxLength value="13"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Element nts:geo_object_type / nts:fairway_name

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Waterway name (usefull if no RIS Index is available)
Diagram	
Type	restriction of xs:string
Properties	content: simple minOccurs: 0
Facets	maxLength 256
Source	<pre><xs:element name="fairway_name" minOccurs="0"> <xs:annotation> <xs:documentation>Waterway name (usefull if no RIS Index is available)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"></pre>

```

<xs:maxLength value="256" />
</xs:restriction>
</xs:simpleType>
</xs:element>

```

Element nts:fairway_section_type / nts:limitation

Namespace	http://www.ris.eu/nts/4.0.4.0						
Annotations	Fairway section limitations						
Diagram							
Type	nts:limitation_type						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	nts:limitation_period*, nts:limitation_code , nts:position_code{0,1} , nts:value{0,1} , nts:unit{0,1} , nts:reference_code{0,1} , nts:indication_code{0,1} , nts:target_group*						
Children	nts:indication_code, nts:limitation_code, nts:limitation_period, nts:position_code, nts:reference_code, nts:target_group, nts:unit, nts:value						
Instance	<pre> <nts:limitation xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:limitation_period>{0,unbounded}</nts:limitation_period> <nts:limitation_code>{1,1}</nts:limitation_code> <nts:position_code>{0,1}</nts:position_code> <nts:value>{0,1}</nts:value> <nts:unit>{0,1}</nts:unit> <nts:reference_code>{0,1}</nts:reference_code> <nts:indication_code>{0,1}</nts:indication_code> <nts:target_group>{0,unbounded}</nts:target_group> </nts:limitation> </pre>						
Source	<pre> <xss:element name="limitation" type="nts:limitation_type" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Fairway section limitations</xss:documentation> </xss:annotation> </pre>						

</xs:element>

Element nts:limitation_type / nts:limitation_period

Namespace	http://www.ris.eu/nts/4.0.4.0						
Annotations	Limitation periods / intervals						
Diagram	<pre> classDiagram class limitation_period { <<Limitation periods / intervals>> } class limitation_period_type { date_start : xs:date date_end : xs:date time_start : xs:time time_end : xs:time interval_code : nts:interval_code_enum } limitation_period "0..1" --> limitation_period_type </pre>						
Type	nts:limitation_period_type						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	nts:date_start , nts:date_end{0,1} , nts:time_start{0,1} , nts:time_end{0,1} , nts:interval_code{0,1}						
Children	nts:date_end, nts:date_start, nts:interval_code, nts:time_end, nts:time_start						
Instance	<pre> <nts:limitation_period xmlns:ntss="http://www.ris.eu/nts/4.0.4.0"> <nts:date_start>{1,1}</nts:date_start> <nts:date_end>{0,1}</nts:date_end> <nts:time_start>{0,1}</nts:time_start> <nts:time_end>{0,1}</nts:time_end> <nts:interval_code>{0,1}</nts:interval_code> </nts:limitation_period> </pre>						
Source	<pre> <xs:element name="limitation_period" type="nts:limitation_period_type" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Limitation periods / intervals</xs:documentation> </xs:annotation> </xs:element> </pre>						

Element nts:limitation_period_type / nts:date_start

Namespace	http://www.ris.eu/nts/4.0.4.0		
Annotations	Start date of limitation period including time zone		
Diagram	<pre> classDiagram class date_start { <<Start date of limitation period including time zone>> } class xs_date { <<Built-in primitive type. The date datatype represents a calendar date.>> } date_start --> xs_date </pre>		
Type	xs:date		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		
Source	<pre> <xs:element name="date_start" type="xs:date"> <xs:annotation> <xs:documentation>Start date of limitation period including time zone</xs:documentation> </xs:annotation> </xs:element> </pre>		

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

Element nts:limitation_period_type / nts:date_end

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	End date of limitation period including time zone				
Diagram	<pre> classDiagram class limitation_period_type { <<nts>> } class date_end { <<nts>> } limitation_period_type < -- date_end date_end --> xsdate note over date_end: End date of limitation period including time zone note over xsdate: Built-in primitive type. The date datatype represents a calendar date. </pre>				
Type	xs:date				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre> <xs:element name="date_end" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>End date of limitation period including time zone</xs:documentation> </xs:annotation> </xs:element> </pre>				

Element nts:limitation_period_type / nts:time_start

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Start time of limitation period without time zone				
Diagram	<pre> classDiagram class limitation_period_type { <<nts>> } class time_start { <<nts>> } limitation_period_type < -- time_start time_start --> xsTime note over time_start: Start time of limitation period without time zone note over xsTime: Built-in primitive type. The time datatype represents an instant of time that recurs every day. </pre>				
Type	xs:time				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre> <xs:element name="time_start" type="xs:time" minOccurs="0"> <xs:annotation> <xs:documentation>Start time of limitation period without time zone</xs:documentation> </xs:annotation> </xs:element> </pre>				

Element nts:limitation_period_type / nts:time_end

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	End time of limitation period without time zone				
Diagram	<pre> classDiagram class limitation_period_type { <<nts>> } class time_end { <<nts>> } limitation_period_type < -- time_end time_end --> xsTime note over time_end: End time of limitation period without time zone note over xsTime: Built-in primitive type. The time datatype represents an instant of time that recurs every day. </pre>				
Type	xs:time				
Properties	<table> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre> <xs:element name="time_end" type="xs:time" minOccurs="0"> <xs:annotation> <xs:documentation>End time of limitation period without time zone</xs:documentation> </xs:annotation> </xs:element> </pre>				

Element nts:limitation_period_type / nts:interval_code

Namespace	http://www.ris.eu/nts/4.0.4.0
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Annotations	Interval for limitation if applicable																																		
Diagram	<pre> classDiagram class interval_code { <<nts:interval_code_enum>> } interval_code < -- nts:interval_code_enum nts:interval_code_enum < --> Interval for limitation if applicable </pre>																																		
Type	nts:interval_code_enum																																		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0																														
content:	simple																																		
minOccurs:	0																																		
Facets	<table border="1"> <tr> <td>maxLength</td> <td>3</td> </tr> <tr> <td>enumeration</td> <td>CON</td> </tr> <tr> <td>enumeration</td> <td>DAY</td> </tr> <tr> <td>enumeration</td> <td>WRK</td> </tr> <tr> <td>enumeration</td> <td>WKN</td> </tr> <tr> <td>enumeration</td> <td>SUN</td> </tr> <tr> <td>enumeration</td> <td>MON</td> </tr> <tr> <td>enumeration</td> <td>TUE</td> </tr> <tr> <td>enumeration</td> <td>WED</td> </tr> <tr> <td>enumeration</td> <td>THU</td> </tr> <tr> <td>enumeration</td> <td>FRI</td> </tr> <tr> <td>enumeration</td> <td>SAT</td> </tr> <tr> <td>enumeration</td> <td>DTI</td> </tr> <tr> <td>enumeration</td> <td>NTI</td> </tr> <tr> <td>enumeration</td> <td>RVI</td> </tr> <tr> <td>enumeration</td> <td>EXC</td> </tr> <tr> <td>enumeration</td> <td>WRD</td> </tr> </table>	maxLength	3	enumeration	CON	enumeration	DAY	enumeration	WRK	enumeration	WKN	enumeration	SUN	enumeration	MON	enumeration	TUE	enumeration	WED	enumeration	THU	enumeration	FRI	enumeration	SAT	enumeration	DTI	enumeration	NTI	enumeration	RVI	enumeration	EXC	enumeration	WRD
maxLength	3																																		
enumeration	CON																																		
enumeration	DAY																																		
enumeration	WRK																																		
enumeration	WKN																																		
enumeration	SUN																																		
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enumeration	WED																																		
enumeration	THU																																		
enumeration	FRI																																		
enumeration	SAT																																		
enumeration	DTI																																		
enumeration	NTI																																		
enumeration	RVI																																		
enumeration	EXC																																		
enumeration	WRD																																		
Source	<pre> <xss:element name="interval_code" type="nts:interval_code_enum" minOccurs="0"> <xss:annotation> <xss:documentation>Interval for limitation if applicable</xss:documentation> </xss:annotation> </xss:element> </pre>																																		

Element nts:limitation_type / nts:limitation_code

Namespace	http://www.ris.eu/nts/4.0.4.0																						
Annotations	Kind of limitation																						
Diagram	<pre> classDiagram class limitation_code { <<nts:limitation_code_enum>> } limitation_code < -- nts:limitation_code_enum nts:limitation_code_enum < --> Kind of limitation </pre>																						
Type	nts:limitation_code_enum																						
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple																				
content:	simple																						
Facets	<table border="1"> <tr> <td>maxLength</td> <td>6</td> </tr> <tr> <td>enumeration</td> <td>OBSTRU</td> </tr> <tr> <td>enumeration</td> <td>PAROBS</td> </tr> <tr> <td>enumeration</td> <td>DELAY</td> </tr> <tr> <td>enumeration</td> <td>VESLEN</td> </tr> <tr> <td>enumeration</td> <td>VESHEI</td> </tr> <tr> <td>enumeration</td> <td>VESBRE</td> </tr> <tr> <td>enumeration</td> <td>VESDRA</td> </tr> <tr> <td>enumeration</td> <td>AVALEN</td> </tr> <tr> <td>enumeration</td> <td>CLEHEI</td> </tr> <tr> <td>enumeration</td> <td>CLEWID</td> </tr> </table>	maxLength	6	enumeration	OBSTRU	enumeration	PAROBS	enumeration	DELAY	enumeration	VESLEN	enumeration	VESHEI	enumeration	VESBRE	enumeration	VESDRA	enumeration	AVALEN	enumeration	CLEHEI	enumeration	CLEWID
maxLength	6																						
enumeration	OBSTRU																						
enumeration	PAROBS																						
enumeration	DELAY																						
enumeration	VESLEN																						
enumeration	VESHEI																						
enumeration	VESBRE																						
enumeration	VESDRA																						
enumeration	AVALEN																						
enumeration	CLEHEI																						
enumeration	CLEWID																						

	enumeration AVADEF
	enumeration NOMOOR
	enumeration SERVIC
	enumeration NOSERV
	enumeration SPEED
	enumeration WAVWAS
	enumeration PASSIN
	enumeration ANCHOR
	enumeration OVRTAK
	enumeration MINPWR
	enumeration ALTER
	enumeration CAUTIO
	enumeration NOLIM
	enumeration TURNIN
	enumeration NOSHORE
	enumeration CONBRE
	enumeration CONLEN
	enumeration LEADEP
	enumeration NOBERT
Source	<pre><xss:element name="limitation_code" type="nts:limitation_code_enum"> <xss:annotation> <xss:documentation>Kind of limitation</xss:documentation> </xss:annotation> </xss:element></pre>

Element nts:limitation_type / nts:position_code

Namespace	http://www.ris.eu/nts/4.0.4.0																																
Annotations	Describes the position of the limitation related to the fairway																																
Diagram	<pre> classDiagram position_code "Type" o-- "nts:position_code_enum" note over position_code: Describes the position of the limitation related to the fairway </pre>																																
Type	nts:position_code_enum																																
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0																												
content:	simple																																
minOccurs:	0																																
Facets	<table border="1"> <tr> <td>maxLength</td> <td>2</td> </tr> <tr> <td>enumeration</td> <td>AL</td> </tr> <tr> <td>enumeration</td> <td>LE</td> </tr> <tr> <td>enumeration</td> <td>MI</td> </tr> <tr> <td>enumeration</td> <td>RI</td> </tr> <tr> <td>enumeration</td> <td>LB</td> </tr> <tr> <td>enumeration</td> <td>RB</td> </tr> <tr> <td>enumeration</td> <td>N</td> </tr> <tr> <td>enumeration</td> <td>NE</td> </tr> <tr> <td>enumeration</td> <td>E</td> </tr> <tr> <td>enumeration</td> <td>SE</td> </tr> <tr> <td>enumeration</td> <td>S</td> </tr> <tr> <td>enumeration</td> <td>SW</td> </tr> <tr> <td>enumeration</td> <td>W</td> </tr> <tr> <td>enumeration</td> <td>NW</td> </tr> <tr> <td>enumeration</td> <td>BI</td> </tr> </table>	maxLength	2	enumeration	AL	enumeration	LE	enumeration	MI	enumeration	RI	enumeration	LB	enumeration	RB	enumeration	N	enumeration	NE	enumeration	E	enumeration	SE	enumeration	S	enumeration	SW	enumeration	W	enumeration	NW	enumeration	BI
maxLength	2																																
enumeration	AL																																
enumeration	LE																																
enumeration	MI																																
enumeration	RI																																
enumeration	LB																																
enumeration	RB																																
enumeration	N																																
enumeration	NE																																
enumeration	E																																
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enumeration	S																																
enumeration	SW																																
enumeration	W																																
enumeration	NW																																
enumeration	BI																																

	enumeration	SM
	enumeration	OL
	enumeration	EW
	enumeration	MP
	enumeration	FP
	enumeration	VA
	enumeration	RY
	enumeration	GY
Source	<pre><xs:element name="position_code" type="nts:position_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Describes the position of the limitation related to the fairway</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:limitation_type / nts:value

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Value of limitation (i.e. max draught)	
Diagram		
Type	xs:float	
Properties	content:	simple
	minOccurs:	0
Source	<pre><xs:element name="value" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Value of limitation (i.e. max draught)</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:limitation_type / nts:unit

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Unit of the value of the limitation	
Diagram		
Type	nts:unit_enum	
Properties	content:	simple
	minOccurs:	0
Facets	maxLength	4
	enumeration	cm
	enumeration	m³/s
	enumeration	h
	enumeration	km/h
	enumeration	kW
	enumeration	m/s
	enumeration	mm/h
	enumeration	°C
Source	<pre><xs:element name="unit" type="nts:unit_enum" minOccurs="0"> <xs:annotation></pre>	

```
<xs:documentation>Unit of the value of the limitation</xs:documentation>
</xs:annotation>
</xs:element>
```

Element nts:limitation_type / nts:reference_code

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Value reference	
Diagram	<pre> classDiagram class reference_code { <<Type nts:reference_code_enum>> } class nts:reference_code_enum { <<Value reference>> } reference_code "0..1" --> "1..1" nts:reference_code_enum </pre>	
Type	nts:reference_code_enum	
Properties	content: simple minOccurs: 0	
Facets	maxLength: 4 enumeration: NAP enumeration: KP enumeration: FZP enumeration: ADR enumeration: TAW enumeration: PUL enumeration: NGM enumeration: ETRS enumeration: POT enumeration: LDC enumeration: HDC enumeration: ZPG enumeration: GLW enumeration: HSW enumeration: LNW enumeration: HNW enumeration: IGN enumeration: WGS enumeration: RN enumeration: HBO	
Source	<pre><xs:element name="reference_code" type="nts:reference_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Value reference</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:limitation_type / nts:indication_code

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Minimum or maximum or reduced by	
Diagram	<pre> classDiagram class indication_code { <<Type nts:indication_code_enum>> } class nts:indication_code_enum { <<Minimum or maximum or reduced by>> } indication_code "0..1" --> "1..1" nts:indication_code_enum </pre>	
Type	nts:indication_code_enum	
Properties	content: simple minOccurs: 0	
Facets	maxLength: 3	

	enumeration	MAX
	enumeration	MIN
	enumeration	RED
Source	<pre><xs:element name="indication_code" type="nts:indication_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Minimum or maximum or reduced by</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:limitation_type / nts:target_group

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Target group information
Diagram	<pre> classDiagram class target_group { Type: nts:target_group_type } class target_group_type { target_group_code Type: nts:target_group_code_enum Default: ALL direction_code Type: nts:direction_code_enum Default: ALL note "Upstream or downstream traffic, or both" } target_group --> target_group_type </pre>
Type	nts:target_group_type
Properties	<p>content: complex</p> <p>minOccurs: 0</p> <p>maxOccurs: unbounded</p>
Model	nts:target_group_code , nts:direction_code
Children	nts:direction_code, nts:target_group_code
Instance	<pre><nts:target_group xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:target_group_code>{1,1}</nts:target_group_code> <nts:direction_code>{1,1}</nts:direction_code> </nts:target_group></pre>
Source	<pre><xs:element name="target_group" type="nts:target_group_type" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Target group information</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:ftm_type / nts:object

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Object section
Diagram	<pre> classDiagram class object { Type: nts:object_type } class object_type { geo_object Type: nts:geo_object_type limitation Type: nts:limitation_type note "Geo Information of object" note "Object limitation section" } object --> object_type </pre>
Type	nts:object_type
Properties	<p>content: complex</p>
Model	nts:geo_object , nts:limitation*
Children	nts:geo_object, nts:limitation

Instance	<pre><nts:object xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:geo_object>{1,1}</nts:geo_object> <nts:limitation>{0,unbounded}</nts:limitation> </nts:object></pre>
Source	<pre><xs:element name="object" type="nts:object_type"> <xs:annotation> <xs:documentation>Object section</xs:documentation> </xs:annotation> </xs:element></pre>

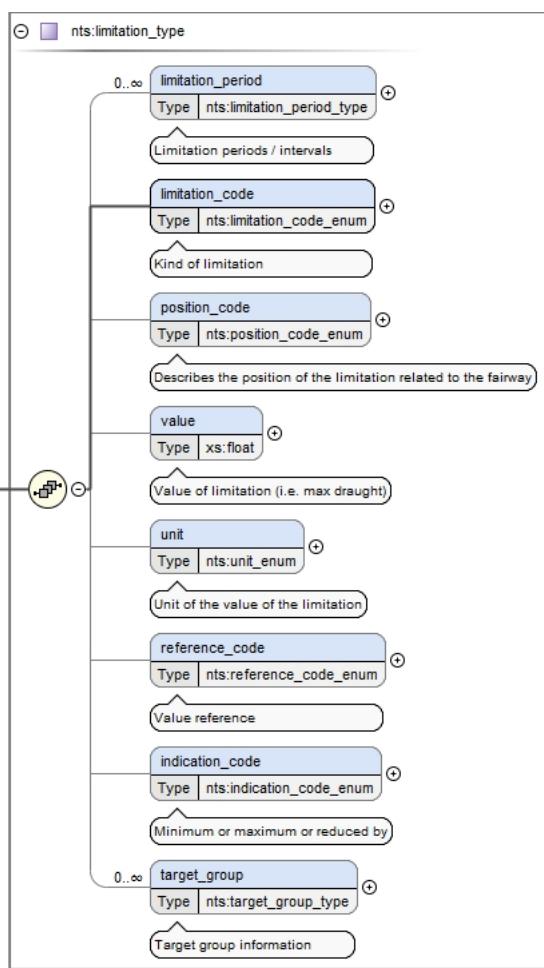
Element nts:object_type / nts:geo_object

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Geo Information of object
Diagram	<pre> classDiagram class geo_object { Type nts:geo_object_type } class nts:geo_object_type { id : nts:isrs_code_type name : Restriction of xs:string type_code : nts:type_code_enum position_code : nts:position_code_enum coordinate : nts:coordinate_type fairway_name : Restriction of xs:string } geo_object "1..2" o--> nts:geo_object_type </pre> <p>The diagram illustrates the UML class <code>nts:geo_object_type</code>. It has the following attributes:</p> <ul style="list-style-type: none"> <code>id</code>: Type <code>nts:isrs_code_type</code>. Description: ISRS Location Code of the fairway/object. <code>name</code>: Type <code>Restriction of xs:string</code>. Description: Local name of the fairway section. <code>type_code</code>: Type <code>nts:type_code_enum</code>. Default value: FWY. Description: Type of geographical object. <code>position_code</code>: Type <code>nts:position_code_enum</code>. Description: Describes the position related to the fairway. <code>coordinate</code>: Type <code>nts:coordinate_type</code>. Description: Fairway section begin and end coordinates. <code>fairway_name</code>: Type <code>Restriction of xs:string</code>. Description: Waterway name (usefull if no RIS Index is available). <p>The class <code>geo_object</code> has an association with <code>nts:geo_object_type</code>, indicated by a line with open circles at both ends.</p>
Type	<code>nts:geo_object_type</code>
Properties	content: complex
Model	<code>nts:id{1,2}</code> , <code>nts:name</code> , <code>nts:type_code</code> , <code>nts:position_code{0,1}</code> , <code>nts:coordinate{0,2}</code> , <code>nts:fairway_name{0,1}</code>
Children	<code>nts:coordinate</code> , <code>nts:fairway_name</code> , <code>nts:id</code> , <code>nts:name</code> , <code>nts:position_code</code> , <code>nts:type_code</code>
Instance	<pre><nts:geo_object xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:id>{1,2}</nts:id> <nts:name>{1,1}</nts:name> <nts:type_code>{1,1}</nts:type_code> <nts:position_code>{0,1}</nts:position_code> <nts:coordinate>{0,2}</nts:coordinate> <nts:fairway_name>{0,1}</nts:fairway_name> </nts:geo_object></pre>
Source	<pre><xs:element name="geo_object" type="nts:geo_object_type"> <xs:annotation> <xs:documentation>Geo Information of object</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:object_type / nts:limitation

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Object limitation section

Diagram



Type	nts:limitation_type
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	nts:limitation_period*, nts:limitation_code , nts:position_code{0,1} , nts:value{0,1} , nts:unit{0,1} , nts:reference_code{0,1} , nts:indication_code{0,1} , nts:target_group*
Children	nts:indication_code, nts:limitation_code, nts:limitation_period, nts:position_code, nts:reference_code, nts:target_group, nts:unit, nts:value
Instance	<pre> <nts:limitation xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:limitation_period>{0,unbounded}</nts:limitation_period> <nts:limitation_code>{1,1}</nts:limitation_code> <nts:position_code>{0,1}</nts:position_code> <nts:value>{0,1}</nts:value> <nts:unit>{0,1}</nts:unit> <nts:reference_code>{0,1}</nts:reference_code> <nts:indication_code>{0,1}</nts:indication_code> <nts:target_group>{0,unbounded}</nts:target_group> </nts:limitation> </pre>
Source	<pre> <x:element name="limitation" type="nts:limitation_type" minOccurs="0" maxOccurs="unbounded"> <x:annotation> <x:documentation>Object limitation section</x:documentation> </x:annotation> </x:element> </pre>

Element nts:RIS_Message_Type / nts:wrm

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Water related section

Diagram	<pre> classDiagram class wrm { Type nts:wrm_type Water related section } class nts:wrm_type { internal_id Type nts:internal_id_type Internal ID nts_number Type nts:nts_number_type NTS Number validity_period Type nts:validity_period_type Overall period of validity geo_object Type nts:geo_object_type Object section reference_code Type nts:reference_code_enum Value reference (measurement reference) 1..∞ measure Type nts:measure_type Measurements (normal or predicted values) } wrm "1" -- "1..∞" nts:wrm_type </pre>
Type	nts:wrm_type
Properties	content: complex maxOccurs: unbounded
Model	nts:internal_id{0,1} , nts:nts_number{0,1} , nts:validity_period , nts:geo_object , nts:reference_code{0,1} , nts:measure+
Children	nts:geo_object, nts:internal_id, nts:measure, nts:nts_number, nts:reference_code, nts:validity_period
Instance	<pre> <nts:wrm xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:internal_id>{0,1}</nts:internal_id> <nts:nts_number>{0,1}</nts:nts_number> <nts:validity_period>{1,1}</nts:validity_period> <nts:geo_object>{1,1}</nts:geo_object> <nts:reference_code>{0,1}</nts:reference_code> <nts:measure>{1,unbounded}</nts:measure> </nts:wrm> </pre>
Source	<pre> <xss:element name="wrm" type="nts:wrm_type" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Water related section</xss:documentation> </xss:annotation> </xss:element> </pre>

Element nts:wrm_type / nts:internal_id

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Internal ID
Diagram	<pre> classDiagram class nts:internal_id_type { internal_id Type nts:internal_id_type Internal ID - best practice: global unique identifier } </pre>
Type	nts:internal_id_type
Properties	content: simple minOccurs: 0
Facets	maxLength 64
Source	<pre> <xss:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> <xss:annotation> <xss:documentation>Internal ID</xss:documentation> </xss:annotation> </xss:element> </pre>

Element nts:wrm_type / nts:nts_number

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	NtS Number				
Diagram	<pre> classDiagram class nts:nts_number_type { organisation : xs:string year : xs:gYear number : xs:integer serial_number : xs:integer } class nts:nts_number { <--> nts:nts_number_type } nts:nts_number --> "NtS Number" </pre>				
Type	nts:nts_number_type				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	nts:organisation , nts:year , nts:number , nts:serial_number				
Children	nts:number, nts:organisation, nts:serial_number, nts:year				
Instance	<nts:nts_number xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:organisation>{1,1}</nts:organisation> <nts:year>{1,1}</nts:year> <nts:number>{1,1}</nts:number> <nts:serial_number>{1,1}</nts:serial_number> </nts:nts_number>				
Source	<xsd:element name="nts_number" type="nts:nts_number_type" minOccurs="0"> <xsd:annotation> <xsd:documentation>NtS Number</xsd:documentation> </xsd:annotation> </xsd:element>				

Element nts:wrm_type / nts:validity_period

Namespace	http://www.ris.eu/nts/4.0.4.0		
Annotations	Overall period of validity		
Diagram	<pre> classDiagram class nts:validity_period_type { date_start : xs:date date_end : xs:date } class nts:validity_period { <--> nts:validity_period_type } nts:validity_period --> "Overall period of validity" </pre>		
Type	nts:validity_period_type		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	nts:date_start , nts:date_end{0,1}		
Children	nts:date_end, nts:date_start		
Instance	<nts:validity_period xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:date_start>{1,1}</nts:date_start> <nts:date_end>{0,1}</nts:date_end> </nts:validity_period>		

	</nts:validity_period>
Source	<pre><xs:element name="validity_period" type="nts:validity_period_type"> <xs:annotation> <xs:documentation>Overall period of validity</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:wrm_type / nts:geo_object

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Object section
Diagram	
Type	nts:geo_object_type
Properties	content: complex
Model	nts:id{1,2} , nts:name , nts:type_code , nts:position_code{0,1} , nts:coordinate{0,2} , nts:fairway_name{0,1}
Children	nts:coordinate, nts:fairway_name, nts:id, nts:name, nts:position_code, nts:type_code
Instance	<pre><nts:geo_object xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:id>{1,2}</nts:id> <nts:name>{1,1}</nts:name> <nts:type_code>{1,1}</nts:type_code> <nts:position_code>{0,1}</nts:position_code> <nts:coordinate>{0,2}</nts:coordinate> <nts:fairway_name>{0,1}</nts:fairway_name> </nts:geo_object></pre>
Source	<pre><xs:element name="geo_object" type="nts:geo_object_type"> <xs:annotation> <xs:documentation>Object section</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:wrm_type / nts:reference_code

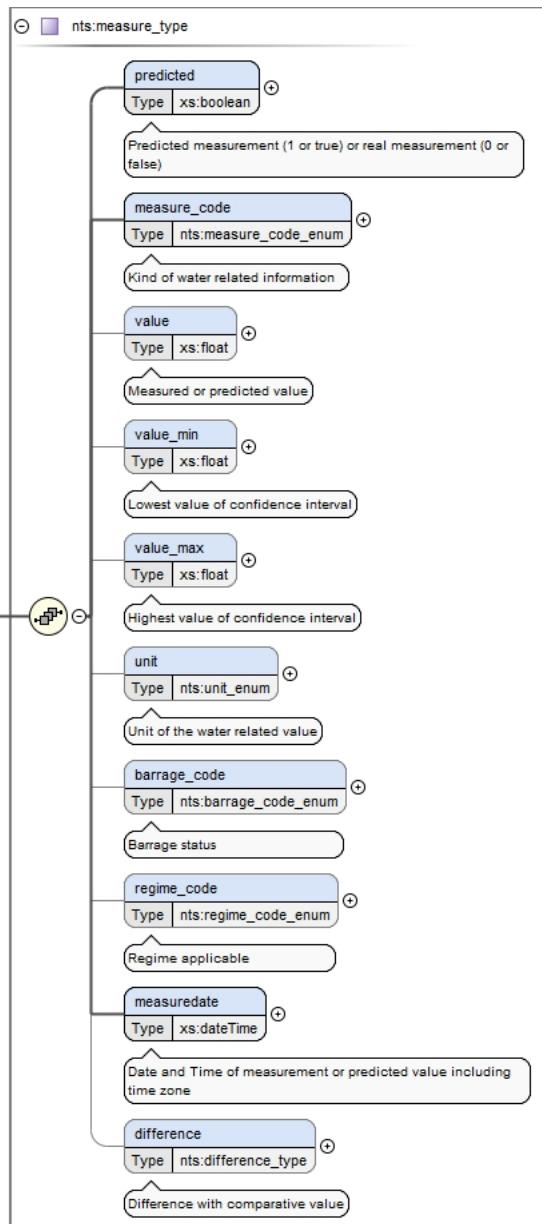
Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Value reference (measurement reference)
Diagram	

Type	nts:reference_code_enum
Properties	content: simple minOccurs: 0
Facets	maxLength 4 enumeration NAP enumeration KP enumeration FZP enumeration ADR enumeration TAW enumeration PUL enumeration NGM enumeration ETRS enumeration POT enumeration LDC enumeration HDC enumeration ZPG enumeration GLW enumeration HSW enumeration LNW enumeration HNW enumeration IGN enumeration WGS enumeration RN enumeration HBO
Source	<pre><xss:element name="reference_code" type="nts:reference_code_enum" minOccurs="0"> <xss:annotation> <xss:documentation>Value reference (measurement reference)</xss:documentation> </xss:annotation> </xss:element></pre>

Element nts:wrm_type / nts:measure

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Measurements (normal or predicted values)

Diagram



Type	<code>nts:measure_type</code>
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	<code>nts:predicted , nts:measure_code , nts:value{0,1} , nts:value_min{0,1} , nts:value_max{0,1} , nts:unit{0,1} , nts:barrage_code{0,1} , nts:regime_code{0,1} , nts:measuredate , nts:difference{0,1}</code>
Children	<code>nts:barrage_code</code> , <code>nts:difference</code> , <code>nts:measure_code</code> , <code>nts:measuredate</code> , <code>nts:predicted</code> , <code>nts:regime_code</code> , <code>nts:unit</code> , <code>nts:value</code> , <code>nts:value_max</code> , <code>nts:value_min</code>
Instance	<pre> <nts:measure xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:predicted>{1,1}</nts:predicted> <nts:measure_code>{1,1}</nts:measure_code> <nts:value>{0,1}</nts:value> <nts:value_min>{0,1}</nts:value_min> <nts:value_max>{0,1}</nts:value_max> <nts:unit>{0,1}</nts:unit> <nts:barrage_code>{0,1}</nts:barrage_code> <nts:regime_code>{0,1}</nts:regime_code> <nts:measuredate>{1,1}</nts:measuredate> <nts:difference>{0,1}</nts:difference> </nts:measure> </pre>
Source	<pre> <x:element name="measure" type="nts:measure_type" maxOccurs="unbounded"> <x:annotation> <x:documentation>Measurements (normal or predicted values)</x:documentation> </x:annotation> </x:element> </pre>

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

Element nts:measure_type / nts:predicted

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Predicted measurement (1 or true) or real measurement (0 or false)
Diagram	<p>The diagram shows a UML class named 'predicted' with a compartment labeled 'Type' containing 'xs:boolean'. A line connects it to another compartment labeled 'xs:boolean'. A callout box points to the 'xs:boolean' type with the text: 'Built-in primitive type. It defines the boolean values true and false.' Another callout box points to the 'predicted' class with the text: 'Predicted measurement (1 or true) or real measurement (0 or false)'.</p>
Type	xs:boolean
Properties	content: simple
Source	<pre><xs:element name="predicted" type="xs:boolean"> <xs:annotation> <xs:documentation>Predicted measurement (1 or true) or real measurement (0 or false)</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:measure_type / nts:measure_code

Namespace	http://www.ris.eu/nts/4.0.4.0																
Annotations	Kind of water related information																
Diagram	<p>The diagram shows a UML class named 'measure_code' with a compartment labeled 'Type' containing 'nts:measure_code_enum'. A line connects it to another compartment labeled 'nts:measure_code_enum'. A callout box points to the 'nts:measure_code_enum' type with the text: 'Kind of water related information'.</p>																
Type	nts:measure_code_enum																
Properties	content: simple																
Facets	<table border="1"> <tr><td>maxLength</td><td>3</td></tr> <tr><td>enumeration</td><td>DIS</td></tr> <tr><td>enumeration</td><td>REG</td></tr> <tr><td>enumeration</td><td>BAR</td></tr> <tr><td>enumeration</td><td>VER</td></tr> <tr><td>enumeration</td><td>LSD</td></tr> <tr><td>enumeration</td><td>WAL</td></tr> <tr><td>enumeration</td><td>NOM</td></tr> </table>	maxLength	3	enumeration	DIS	enumeration	REG	enumeration	BAR	enumeration	VER	enumeration	LSD	enumeration	WAL	enumeration	NOM
maxLength	3																
enumeration	DIS																
enumeration	REG																
enumeration	BAR																
enumeration	VER																
enumeration	LSD																
enumeration	WAL																
enumeration	NOM																
Source	<pre><xs:element name="measure_code" type="nts:measure_code_enum"> <xs:annotation> <xs:documentation>Kind of water related information</xs:documentation> </xs:annotation> </xs:element></pre>																

Element nts:measure_type / nts:value

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Measured or predicted value				
Diagram	<p>The diagram shows a UML class named 'value' with a compartment labeled 'Type' containing 'xs:float'. A line connects it to another compartment labeled 'xs:float'. A callout box points to the 'xs:float' type with the text: 'Built-in primitive type. Corresponds to the IEEE single-precision 32-bit floating point type [IEEE 754-1985]'.</p>				
Type	xs:float				
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				

Source	<pre><xs:element name="value" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Measured or predicted value</xs:documentation> </xs:annotation> </xs:element></pre>
--------	--

Element nts:measure_type / nts:value_min

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Lowest value of confidence interval				
Diagram	<pre> classDiagram class value_min { <<xs:float>> } value_min < -- xs:float xs:float < --> "Built-in primitive type. Corresponds to the IEEE single-precision 32-bit floating point type [IEEE 754-1985]." </pre>				
Type	xs:float				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre><xs:element name="value_min" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Lowest value of confidence interval</xs:documentation> </xs:annotation> </xs:element></pre>				

Element nts:measure_type / nts:value_max

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Highest value of confidence interval				
Diagram	<pre> classDiagram class value_max { <<xs:float>> } value_max < -- xs:float xs:float < --> "Built-in primitive type. Corresponds to the IEEE single-precision 32-bit floating point type [IEEE 754-1985]." </pre>				
Type	xs:float				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre><xs:element name="value_max" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Highest value of confidence interval</xs:documentation> </xs:annotation> </xs:element></pre>				

Element nts:measure_type / nts:unit

Namespace	http://www.ris.eu/nts/4.0.4.0										
Annotations	Unit of the water related value										
Diagram	<pre> classDiagram class unit { <<nts:unit_enum>> } unit < -- nts:unit_enum nts:unit_enum < --> "Unit of the water related value" </pre>										
Type	nts:unit_enum										
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0						
content:	simple										
minOccurs:	0										
Facets	<table border="1"> <tr> <td>maxLength</td> <td>4</td> </tr> <tr> <td>enumeration</td> <td>cm</td> </tr> <tr> <td>enumeration</td> <td>m³/s</td> </tr> <tr> <td>enumeration</td> <td>h</td> </tr> <tr> <td>enumeration</td> <td>km/h</td> </tr> </table>	maxLength	4	enumeration	cm	enumeration	m³/s	enumeration	h	enumeration	km/h
maxLength	4										
enumeration	cm										
enumeration	m³/s										
enumeration	h										
enumeration	km/h										

	enumeration	kW
	enumeration	m/s
	enumeration	mm/h
	enumeration	°C
Source	<pre><xs:element name="unit" type="nts:unit_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Unit of the water related value</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:measure_type / nts:barrage_code

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Barrage status	
Diagram	<pre> classDiagram class barrage_code { <<nts:barrage_code_enum>> } nts:barrage_code_enum "0..1" --> "1..1" barrage_code note over barrage_code: Barrage status </pre>	
Type	nts:barrage_code_enum	
Properties	<p>content: simple</p> <p>minOccurs: 0</p>	
Facets	<p>maxLength: 3</p> <p>enumeration: CLD</p> <p>enumeration: OPG</p> <p>enumeration: CLG</p> <p>enumeration: OPD</p> <p>enumeration: OPN</p>	
Source	<pre><xs:element name="barrage_code" type="nts:barrage_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Barrage status</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:measure_type / nts:regime_code

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Regime applicable	
Diagram	<pre> classDiagram class regime_code { <<nts:regime_code_enum>> } nts:regime_code_enum "0..1" --> "1..1" regime_code note over regime_code: Regime applicable </pre>	
Type	nts:regime_code_enum	
Properties	<p>content: simple</p> <p>minOccurs: 0</p>	
Facets	<p>maxLength: 2</p> <p>enumeration: NO</p> <p>enumeration: HI</p> <p>enumeration: II</p> <p>enumeration: I</p> <p>enumeration: NN</p> <p>enumeration: LO</p>	
Source	<pre><xs:element name="regime_code" type="nts:regime_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Regime applicable</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:measure_type / nts:measuredate

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Date and Time of measurement or predicted value including time zone
Diagram	<pre> graph LR measuredate[measuredate Type xs:dateTime] --> xsDateTime[xs:dateTime] subgraph Info [] direction TB A["Date and Time of measurement or predicted value including time zone"] B["Built-in primitive type. The dateTime datatype represents a specific instant of time."] A --- B end </pre>
Type	xs:dateTime
Properties	content: simple
Source	<pre> <xs:element name="measuredate" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time of measurement or predicted value including time zone</xs:documentation> </xs:annotation> </xs:element> </pre>

Element nts:measure_type / nts:difference

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Difference with comparative value				
Diagram	<pre> graph TD difference[difference Type nts:difference_type] --> differenceType[nts:difference_type] subgraph Info [] direction TB A["Difference with comparative value"] B["nts:difference_type"] C["value_difference Type xs:float"] D["time_difference Type xs:duration"] E["Time difference with measuredata of comparative measurement"] A --- B B --- C B --- D C --- E end </pre>				
Type	nts:difference_type				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	nts:value_difference , nts:time_difference				
Children	nts:time_difference, nts:value_difference				
Instance	<pre> <nts:difference xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:value_difference>{1,1}</nts:value_difference> <nts:time_difference>{1,1}</nts:time_difference> </nts:difference> </pre>				
Source	<pre> <xs:element name="difference" type="nts:difference_type" minOccurs="0"> <xs:annotation> <xs:documentation>Difference with comparative value</xs:documentation> </xs:annotation> </xs:element> </pre>				

Element nts:difference_type / nts:value_difference

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Difference with comparative value
Diagram	<pre> graph LR valueDifference[value_difference Type xs:float] --> xsFloat[xs:float] subgraph Info [] direction TB A["Difference with comparative value"] B["xs:float"] C["Built-in primitive type. Corresponds to the IEEE single-precision 32-bit floating point type [IEEE 754-1985]."] A --- B B --- C end </pre>
Type	xs:float
Properties	content: simple

Source	<pre><xs:element name="value_difference" type="xs:float"> <xs:annotation> <xs:documentation>Difference with comparative value</xs:documentation> </xs:annotation> </xs:element></pre>
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Element nts:difference_type / nts:time_difference

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Time difference with measuredata of comparative measurement
Diagram	
Type	xs:duration
Properties	content: simple
Source	<pre><xs:element name="time_difference" type="xs:duration"> <xs:annotation> <xs:documentation>Time difference with measuredata of comparative measurement</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:RIS_Message_Type / nts:icem

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Ice related section
Diagram	
Type	nts:icem_type
Properties	<p>content: complex</p> <p>maxOccurs: unbounded</p>
Model	nts:internal_id{0,1} , nts:nts_number , nts:validity_period , nts:fairway_section , nts:ice_condition+
Children	nts:fairway_section, nts:ice_condition, nts:internal_id, nts:nts_number, nts:validity_period
Instance	<pre><nts:icem xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:internal_id>{0,1}</nts:internal_id> <nts:nts_number>{1,1}</nts:nts_number> <nts:validity_period>{1,1}</nts:validity_period> <nts:fairway_section>{1,1}</nts:fairway_section> <nts:ice_condition>{1,unbounded}</nts:ice_condition> </nts:icem></pre>

Source	<pre><xs:element name="icem" type="nts:icem_type" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Ice related section</xs:documentation> </xs:annotation> </xs:element></pre>
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Element nts:icem_type / nts:internal_id

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Internal ID	
Diagram	<pre> classDiagram class internal_id { <<Type nts:internal_id_type>> } class nts:internal_id_type { <<Internal ID - best practice: global unique identifier>> } internal_id < -- nts:internal_id_type </pre>	
Type	nts:internal_id_type	
Properties	content:	simple
	minOccurs:	0
Facets	maxLength	64
Source	<pre><xs:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> <xs:annotation> <xs:documentation>Internal ID</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:icem_type / nts:nts_number

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	NtS Number	
Diagram	<pre> classDiagram class nts_number { <<Type nts:nts_number_type>> } class nts:nts_number_type { <<organisation>> <<Type Restriction of 'xs:string'>> <<Name of the publishing organisation (NtS Provider)>> <<year>> <<Type Restriction of 'xs:gYear'>> <<Year of first issuing of the notice>> <<number>> <<Type Restriction of 'xs:integer'>> <<Number of the notice (per year, starting with: 1, 0 shall not be used for published notices)>> <<serial_number>> <<Type Restriction of 'xs:integer'>> <<Serial number of notice (replacements and withdrawals), original notice: 0>> } nts_number < -- nts:nts_number_type </pre>	
Type	nts:nts_number_type	
Properties	content:	complex
Model	nts:organisation , nts:year , nts:number , nts:serial_number	
Children	nts:number, nts:organisation, nts:serial_number, nts:year	
Instance	<pre><n:nts_number xmlns:n="http://www.ris.eu/nts/4.0.4.0"> <n:organisation>{1,1}</n:organisation> <n:year>{1,1}</n:year> <n:number>{1,1}</n:number> <n:serial_number>{1,1}</n:serial_number> </n:nts_number></pre>	
Source	<pre><xs:element name="nts_number" type="nts:nts_number_type"> <xs:annotation> <xs:documentation>NtS Number</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:icem_type / nts:validity_period

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Overall period of validity
Diagram	<pre> classDiagram class validity_period { Type nts:validity_period_type Overall period of validity } class nts:validity_period_type { date_start xs:date Start date of validity period including time zone date_end xs:date End date of validity period including time zone } validity_period < -- nts:validity_period_type </pre>
Type	nts:validity_period_type
Properties	content: complex
Model	nts:date_start , nts:date_end{0,1}
Children	nts:date_end, nts:date_start
Instance	<pre> <nts:validity_period xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:date_start>{1,1}</nts:date_start> <nts:date_end>{0,1}</nts:date_end> </nts:validity_period> </pre>
Source	<pre> <x:element name="validity_period" type="nts:validity_period_type"> <x:annotation> <x:documentation>Overall period of validity</x:documentation> </x:annotation> </x:element> </pre>

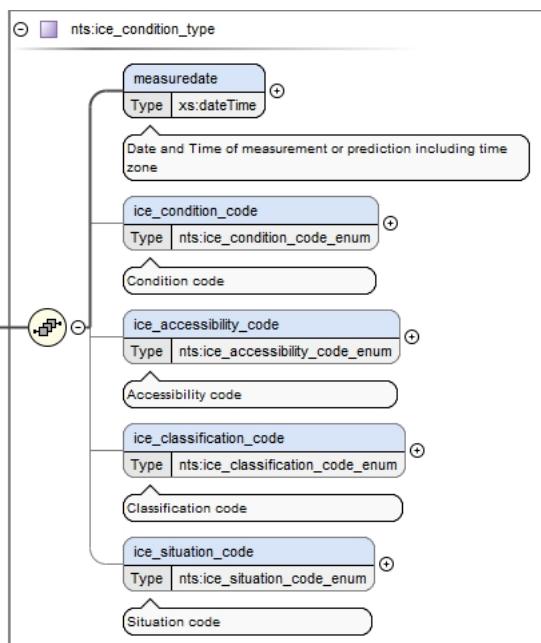
Element nts:icem_type / nts:fairway_section

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Fairway section - the limitation inside the fairway section cannot be used in the ICEM
Diagram	<pre> classDiagram class fairway_section { Type nts:fairway_section_type Fairway section - the limitation inside the fairway section cannot be used in the ICEM } class nts:fairway_section_type { geo_object nts:geo_object_type Geo information of fairway 0..∞ limitation nts:limitation_type Fairway section limitations } fairway_section < -- nts:fairway_section_type </pre>
Type	nts:fairway_section_type
Properties	content: complex
Model	nts:geo_object , nts:limitation*
Children	nts:geo_object, nts:limitation
Instance	<pre> <nts:fairway_section xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:geo_object>{1,1}</nts:geo_object> <nts:limitation>{0,unbounded}</nts:limitation> </nts:fairway_section> </pre>
Source	<pre> <x:element name="fairway_section" type="nts:fairway_section_type"> <x:annotation> <x:documentation>Fairway section - the limitation inside the fairway section cannot be used in the ICEM</x:documentation> </x:annotation> </x:element> </pre>

Element nts:icem_type / nts:ice_condition

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Ice conditions

Diagram



Type	nts:ice_condition_type
Properties	content: complex maxOccurs: unbounded
Model	nts:measuredate , nts:ice_condition_code{0,1} , nts:ice_accessibility_code{0,1} , nts:ice_classification_code{0,1} , nts:ice_situation_code{0,1}
Children	nts:ice_accessibility_code, nts:ice_classification_code, nts:ice_condition_code, nts:ice_situation_code, nts:measuredate
Instance	<pre> <nts:ice_condition xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:measuredate>{1,1}</nts:measuredate> <nts:ice_condition_code>{0,1}</nts:ice_condition_code> <nts:ice_accessibility_code>{0,1}</nts:ice_accessibility_code> <nts:ice_classification_code>{0,1}</nts:ice_classification_code> <nts:ice_situation_code>{0,1}</nts:ice_situation_code> </nts:ice_condition> </pre>
Source	<pre> <xs:element name="ice_condition" type="nts:ice_condition_type" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Ice conditions</xs:documentation> </xs:annotation> </xs:element> </pre>

Element nts:ice_condition_type / nts:measuredate

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Date and Time of measurement or prediction including time zone
Diagram	<pre> classDiagram class nts:measuredate { xs:dateTime } class xs:dateTime nts:measuredate "1 *--> xs:dateTime </pre>
Type	xs:dateTime
Properties	content: simple
Source	<pre> <xs:element name="measuredate" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time of measurement or prediction including time zone</xs:documentation> </xs:annotation> </xs:element> </pre>

Element nts:ice_condition_type / nts:ice_condition_code

Namespace	http://www.ris.eu/nts/4.0.4.0
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Annotations	Condition code
Diagram	<pre> classDiagram class ice_condition_code { <<Condition code>> } class nts:ice_condition_code_enum { <<nets:ice_condition_code_enum>> } ice_condition_code "1..>" nts:ice_condition_code_enum </pre>
Type	nts:ice_condition_code_enum
Properties	content: simple minOccurs: 0
Facets	maxLength 1 enumeration A enumeration B enumeration C enumeration D enumeration E enumeration F enumeration G enumeration H enumeration K enumeration L enumeration M enumeration P enumeration R enumeration S enumeration U enumeration O enumeration V
Source	<pre> <xs:element name="ice_condition_code" type="nts:ice_condition_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Condition code</xs:documentation> </xs:annotation> </xs:element> </pre>

Element nts:ice_condition_type / nts:ice_accessibility_code

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Accessibility code
Diagram	<pre> classDiagram class ice_accessibility_code { <<Accessibility code>> } class nts:ice_accessibility_code_enum { <<nets:ice_accessibility_code_enum>> } ice_accessibility_code "1..>" nts:ice_accessibility_code_enum </pre>
Type	nts:ice_accessibility_code_enum
Properties	content: simple minOccurs: 0
Facets	maxLength 1 enumeration A enumeration B enumeration F enumeration L enumeration C enumeration D enumeration E enumeration G

	enumeration	H
	enumeration	M
	enumeration	K
	enumeration	T
	enumeration	P
	enumeration	V
	enumeration	X
Source	<pre><xs:element name="ice_accessibility_code" type="nts:ice_accessibility_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Accessibility code</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:ice_condition_type / nts:ice_classification_code

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Classification code	
Diagram	<pre> classDiagram class ice_classification_code { <<Type nts:ice_classification_code_enum>> } ice_classification_code < -- nts:ice_classification_code_enum ice_classification_code < -- Classification code ice_classification_code < -- Note [Classification code] </pre>	
Type	nts:ice_classification_code_enum	
Properties	content: simple minOccurs: 0	
Facets	maxLength: 1 enumeration: A enumeration: B enumeration: C enumeration: D enumeration: E	
Source	<pre><xs:element name="ice_classification_code" type="nts:ice_classification_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Classification code</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:ice_condition_type / nts:ice_situation_code

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Situation code	
Diagram	<pre> classDiagram class ice_situation_code { <<Type nts:ice_situation_code_enum>> } ice_situation_code < -- nts:ice_situation_code_enum ice_situation_code < -- Situation code ice_situation_code < -- Note [Situation code] </pre>	
Type	nts:ice_situation_code_enum	
Properties	content: simple minOccurs: 0	
Facets	maxLength: 3 enumeration: NOL enumeration: LIM enumeration: NON	
Source	<pre><xs:element name="ice_situation_code" type="nts:ice_situation_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Situation code</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:RIS_Message_Type / nts:werm

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Weather related section				
Diagram	<pre> classDiagram class nts:werm_type { internal_id : nts:internal_id_type nts_number : nts:nts_number_type validity_period : nts:validity_period_type fairway_section : nts:fairway_section_werm_type weather_report : nts:weather_report_type } class werm { Type nts:werm_type } nts:werm_type "1..>" werm : "Weather related section" </pre>				
Type	nts:werm_type				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	nts:internal_id{0,1} , nts:nts_number{0,1} , nts:validity_period , nts:fairway_section , nts:weather_report{1,2}				
Children	nts:fairway_section, nts:internal_id, nts:nts_number, nts:validity_period, nts:weather_report				
Instance	<pre> <nts:werm xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:internal_id>{0,1}</nts:internal_id> <nts:nts_number>{0,1}</nts:nts_number> <nts:validity_period>{1,1}</nts:validity_period> <nts:fairway_section>{1,1}</nts:fairway_section> <nts:weather_report>{1,2}</nts:weather_report> </nts:werm> </pre>				
Source	<pre> <xss:element name="werm" type="nts:werm_type" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Weather related section</xss:documentation> </xss:annotation> </xss:element> </pre>				

Element nts:werm_type / nts:internal_id

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Internal ID				
Diagram	<pre> classDiagram class nts:internal_id_type { } class internal_id { Type nts:internal_id_type } internal_id "1..>" nts:internal_id_type : "Internal ID - best practice: global unique identifier" </pre>				
Type	nts:internal_id_type				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Facets	maxLength 64				
Source	<pre> <xss:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> <xss:annotation> <xss:documentation>Internal ID</xss:documentation> </xss:annotation> </xss:element> </pre>				

Element nts:werm_type / nts:nts_number

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	NtS Number				
Diagram	<pre> classDiagram class nts:nts_number_type { organisation : xs:string year : xs:gYear number : xs:integer serial_number : xs:integer } class nts:organisation class nts:year class nts:number class nts:serial_number nts:nts_number_type "1..1" o--> nts:organisation nts:nts_number_type "1..1" o--> nts:year nts:nts_number_type "1..1" o--> nts:number nts:nts_number_type "1..1" o--> nts:serial_number </pre>				
Type	nts:nts_number_type				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	nts:organisation , nts:year , nts:number , nts:serial_number				
Children	nts:number, nts:organisation, nts:serial_number, nts:year				
Instance	<pre> <nts:nts_number xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:organisation>{1,1}</nts:organisation> <nts:year>{1,1}</nts:year> <nts:number>{1,1}</nts:number> <nts:serial_number>{1,1}</nts:serial_number> </nts:nts_number> </pre>				
Source	<pre> <xs:element name="nts_number" type="nts:nts_number_type" minOccurs="0"> <xs:annotation> <xs:documentation>NtS Number</xs:documentation> </xs:annotation> </xs:element> </pre>				

Element nts:werm_type / nts:validity_period

Namespace	http://www.ris.eu/nts/4.0.4.0		
Annotations	Overall period of validity		
Diagram	<pre> classDiagram class nts:validity_period_type { date_start : xs:date date_end : xs:date } class nts:date_start class nts:date_end nts:validity_period_type "1..1" o--> nts:date_start nts:validity_period_type "0..1" o--> nts:date_end </pre>		
Type	nts:validity_period_type		
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> </table>	content:	complex
content:	complex		
Model	nts:date_start , nts:date_end{0,1}		
Children	nts:date_end, nts:date_start		
Instance	<pre> <nts:validity_period xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:date_start>{1,1}</nts:date_start> <nts:date_end>{0,1}</nts:date_end> </nts:validity_period> </pre>		

Source	<pre><xs:element name="validity_period" type="nts:validity_period_type"> <xs:annotation> <xs:documentation>Overall period of validity</xs:documentation> </xs:annotation> </xs:element></pre>
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Element nts:fairway_section / nts:fairway_section_werm_type

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Fairway section
Diagram	<pre> classDiagram class fairway_section { <<nts:fairway_section_werm_type>> } class geo_object { <<nts:geo_object_type>> } class nts_fairway_section_werm_type { <<nts:fairway_section_werm_type>> } fairway_section "1..1" --> geo_object geo_object "*" --> nts_fairway_section_werm_type </pre>
Type	nts:fairway_section_werm_type
Properties	content: complex
Model	nts:geo_object
Children	nts:geo_object
Instance	<pre><nts:fairway_section xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:geo_object>{1,1}</nts:geo_object> </nts:fairway_section></pre>
Source	<pre><xs:element name="fairway_section" type="nts:fairway_section_werm_type"> <xs:annotation> <xs:documentation>Fairway section</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:fairway_section_werm_type / nts:geo_object

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Geo Information of fairway
Diagram	<pre> classDiagram class geo_object { <<nts:geo_object_type>> } class nts_geo_object_type { <<nts:geo_object_type>> } geo_object "*" --> nts_geo_object_type </pre> <p>Detailed description of nts:geo_object_type attributes:</p> <ul style="list-style-type: none"> id: Type nts:isrs_code_type, Multiplicity 1..2 name: Type Restriction of 'xs:string' type_code: Type nts:type_code_enum, Default FWY position_code: Type nts:position_code_enum coordinate: Type nts:coordinate_type, Multiplicity 0..2 fairway_name: Type Restriction of 'xs:string'
Type	nts:geo_object_type
Properties	content: complex
Model	nts:id{1,2} , nts:name , nts:type_code , nts:position_code{0,1} , nts:coordinate{0,2} , nts:fairway_name{0,1}

Children	nts:coordinate, nts:fairway_name, nts:id, nts:name, nts:position_code, nts:type_code
Instance	<pre><nts:geo_object xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:id>{1,2}</nts:id> <nts:name>{1,1}</nts:name> <nts:type_code>{1,1}</nts:type_code> <nts:position_code>{0,1}</nts:position_code> <nts:coordinate>{0,2}</nts:coordinate> <nts:fairway_name>{0,1}</nts:fairway_name> </nts:geo_object></pre>
Source	<pre><xs:element name="geo_object" type="nts:geo_object_type"> <xs:annotation> <xs:documentation>Geo Information of fairway</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:werm_type / nts:weather_report

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Actual or Forecast report sections				
Diagram					
Type	nts:weather_report_type				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>2</td> </tr> </table>	content:	complex	maxOccurs:	2
content:	complex				
maxOccurs:	2				
Model	nts:measuredate{0,1} , nts:forecast , nts:weather_class_code+ , nts:weather_item*				
Children	nts:forecast, nts:measuredate, nts:weather_class_code, nts:weather_item				
Instance	<pre><nts:weather_report xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:measuredate>{0,1}</nts:measuredate> <nts:forecast>{1,1}</nts:forecast> <nts:weather_class_code>{1,unbounded}</nts:weather_class_code> <nts:weather_item>{0,unbounded}</nts:weather_item> </nts:weather_report></pre>				
Source	<pre><xs:element name="weather_report" type="nts:weather_report_type" maxOccurs="2"> <xs:annotation> <xs:documentation>Actual or Forecast report sections</xs:documentation> </xs:annotation> </xs:element></pre>				

Element nts:weather_report_type / nts:measuredate

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Date and time of measurement or predicted value including timezone
Diagram	
Type	xs:dateTime

Properties	content: simple minOccurs: 0
Source	<pre><xs:element name="measuredate" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Date and time of measurement or predicted value including timezone</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:weather_report_type / nts:forecast

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Forecast (true or 1) OR Actual report (false or 0)
Diagram	<pre> classDiagram class forecast { <<xs:boolean>> } forecast < -- xs:boolean note over forecast: Forecast (true or 1) OR Actual report (false or 0) note over xs:boolean: Built-in primitive type. It defines the boolean values true and false. </pre>
Type	xs:boolean
Properties	content: simple
Source	<pre><xs:element name="forecast" type="xs:boolean"> <xs:annotation> <xs:documentation>Forecast (true or 1) OR Actual report (false or 0)</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:weather_report_type / nts:weather_class_code

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Classification of weather report
Diagram	<pre> classDiagram class weather_class_code { <<nts:weather_class_code_enum>> } weather_class_code < -- nts:weather_class_code_enum note over weather_class_code: Classification of weather report </pre>
Type	nts:weather_class_code_enum
Properties	content: simple maxOccurs: unbounded
Facets	maxLength: 6 enumeration: CLR enumeration: CLDY enumeration: OCST enumeration: DZZL enumeration: RAIN enumeration: LRAIN enumeration: ORAIN enumeration: HRAIN enumeration: SLEET enumeration: SNOW enumeration: SNFALL enumeration: HAIL enumeration: SHWRS enumeration: THSTRM enumeration: HAZY enumeration: FOG enumeration: FOGPAT enumeration: GALE

	enumeration	STRM
	enumeration	HURRC
	enumeration	FZRA
Source	<pre><xs:element name="weather_class_code" type="nts:weather_class_code_enum" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Classification of weather report</xs:documentation> </xs:annotation> </xs:element></pre>	

Element nts:weather_report_type / nts:weather_item

Namespace	http://www.ris.eu/nts/4.0.4.0						
Annotations	Weather items						
Diagram	<pre> classDiagram class weather_item_type { weather_item_code value_min value_max value_gusts unit weather_category_code direction_code_min direction_code_max } class weather_item { Type nts:weather_item_type } weather_item "1" -- "0..1" weather_item_type </pre> <p>The diagram illustrates the structure of the <code>nts:weather_item_type</code> element. It contains the following attributes:</p> <ul style="list-style-type: none"> <code>weather_item_code</code>: Type <code>nts:weather_item_code_enum</code>. Description: Weather item type (Wind, Wave etc). <code>value_min</code>: Type <code>xs:float</code>. Description: Actual or Minimum value. <code>value_max</code>: Type <code>xs:float</code>. Description: Maximum value. <code>value_gusts</code>: Type <code>xs:float</code>. Description: Gusts value (Wind). <code>unit</code>: Type <code>nts:unit_enum</code>. Description: Unit of the value. <code>weather_category_code</code>: Type <code>nts:weather_category_code_enum</code>. Description: Classification of wind report. <code>direction_code_min</code>: Type <code>nts:weather_direction_code_enum</code>. Description: Direction of wind or wave. <code>direction_code_max</code>: Type <code>nts:weather_direction_code_enum</code>. Description: Direction of wind or wave. <p>The <code>weather_item</code> element has a relationship with <code>nts:weather_item_type</code>, indicated by a line with open circles at both ends.</p>						
Type	<code>nts:weather_item_type</code>						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	<code>nts:weather_item_code</code> , <code>nts:value_min</code> , <code>nts:value_max{0,1}</code> , <code>nts:value_gusts{0,1}</code> , <code>nts:unit{0,1}</code> , <code>nts:weather_category_code{0,1}</code> , <code>nts:direction_code_min{0,1}</code> , <code>nts:direction_code_max{0,1}</code>						
Children	<code>nts:direction_code_max</code> , <code>nts:direction_code_min</code> , <code>nts:unit</code> , <code>nts:value_gusts</code> , <code>nts:value_max</code> , <code>nts:value_min</code> , <code>nts:weather_category_code</code> , <code>nts:weather_item_code</code>						
Instance	<pre> <nts:weather_item xmlns:nts="http://www.ris.eu/nts/4.0.4.0"> <nts:weather_item_code>{1,1}</nts:weather_item_code> <nts:value_min>{1,1}</nts:value_min> <nts:value_max>{0,1}</nts:value_max> <nts:value_gusts>{0,1}</nts:value_gusts> <nts:unit>{0,1}</nts:unit> <nts:weather_category_code>{0,1}</nts:weather_category_code> <nts:direction_code_min>{0,1}</nts:direction_code_min> <nts:direction_code_max>{0,1}</nts:direction_code_max> </pre>						

	</nts:weather_item>
Source	<pre><xs:element name="weather_item" type="nts:weather_item_type" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Weather items</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:weather_item_type / nts:weather_item_code

Namespace	http://www.ris.eu/nts/4.0.4.0																
Annotations	Weather item type (Wind, Wave etc)																
Diagram	<pre> classDiagram class weather_item_code { <<Type nts:weather_item_code_enum>> } class nts:weather_item_code_enum { <<Weather item type (Wind, Wave etc)>> } weather_item_code "0..1" o-- "1..1" nts:weather_item_code_enum </pre>																
Type	nts:weather_item_code_enum																
Properties	content: simple																
Facets	<table border="1"> <tr><td>maxLength</td><td>2</td></tr> <tr><td>enumeration</td><td>WI</td></tr> <tr><td>enumeration</td><td>WA</td></tr> <tr><td>enumeration</td><td>FG</td></tr> <tr><td>enumeration</td><td>RN</td></tr> <tr><td>enumeration</td><td>SN</td></tr> <tr><td>enumeration</td><td>AT</td></tr> <tr><td>enumeration</td><td>WT</td></tr> </table>	maxLength	2	enumeration	WI	enumeration	WA	enumeration	FG	enumeration	RN	enumeration	SN	enumeration	AT	enumeration	WT
maxLength	2																
enumeration	WI																
enumeration	WA																
enumeration	FG																
enumeration	RN																
enumeration	SN																
enumeration	AT																
enumeration	WT																
Source	<pre><xs:element name="weather_item_code" type="nts:weather_item_code_enum"> <xs:annotation> <xs:documentation>Weather item type (Wind, Wave etc)</xs:documentation> </xs:annotation> </xs:element></pre>																

Element nts:weather_item_type / nts:value_min

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Actual or Minimum value
Diagram	<pre> classDiagram class value_min { <<Type xs:float>> } class xs:float { <<Built-in primitive type. Corresponds to the IEEE single-precision 32-bit floating point type [IEEE 754-1985].>> } value_min "0..1" o-- "1..1" xs:float </pre>
Type	xs:float
Properties	content: simple
Source	<pre><xs:element name="value_min" type="xs:float"> <xs:annotation> <xs:documentation>Actual or Minimum value</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:weather_item_type / nts:value_max

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Maximum value				
Diagram	<pre> classDiagram class value_max { <<Type xs:float>> } class xs:float { <<Built-in primitive type. Corresponds to the IEEE single-precision 32-bit floating point type [IEEE 754-1985].>> } value_max "0..1" o-- "1..1" xs:float </pre>				
Type	xs:float				
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				

Source	<pre><xss:element name="value_max" type="xs:float" minOccurs="0"> <xss:annotation> <xss:documentation>Maximum value</xss:documentation> </xss:annotation> </xss:element></pre>
--------	--

Element nts:weather_item_type / nts:value_gusts

Namespace	http://www.ris.eu/nts/4.0.4.0				
Annotations	Gusts value (Wind)				
Diagram					
Type	xs:float				
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<pre><xss:element name="value_gusts" type="xs:float" minOccurs="0"> <xss:annotation> <xss:documentation>Gusts value (Wind)</xss:documentation> </xss:annotation> </xss:element></pre>				

Element nts:weather_item_type / nts:unit

Namespace	http://www.ris.eu/nts/4.0.4.0																		
Annotations	Unit of the value																		
Diagram																			
Type	nts:unit_enum																		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> </table>	content:	simple	minOccurs:	0														
content:	simple																		
minOccurs:	0																		
Facets	<table border="1"> <tr> <td>maxLength</td> <td>4</td> </tr> <tr> <td>enumeration</td> <td>cm</td> </tr> <tr> <td>enumeration</td> <td>m³/s</td> </tr> <tr> <td>enumeration</td> <td>h</td> </tr> <tr> <td>enumeration</td> <td>km/h</td> </tr> <tr> <td>enumeration</td> <td>kW</td> </tr> <tr> <td>enumeration</td> <td>m/s</td> </tr> <tr> <td>enumeration</td> <td>mm/h</td> </tr> <tr> <td>enumeration</td> <td>°C</td> </tr> </table>	maxLength	4	enumeration	cm	enumeration	m³/s	enumeration	h	enumeration	km/h	enumeration	kW	enumeration	m/s	enumeration	mm/h	enumeration	°C
maxLength	4																		
enumeration	cm																		
enumeration	m³/s																		
enumeration	h																		
enumeration	km/h																		
enumeration	kW																		
enumeration	m/s																		
enumeration	mm/h																		
enumeration	°C																		
Source	<pre><xss:element name="unit" type="nts:unit_enum" minOccurs="0"> <xss:annotation> <xss:documentation>Unit of the value</xss:documentation> </xss:annotation> </xss:element></pre>																		

Element nts:weather_item_type / nts:weather_category_code

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Classification of wind report
Diagram	
Type	nts:weather_category_code_enum

Properties	content: simple minOccurs: 0
Facets	maxLength 2 enumeration 0 enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6 enumeration 7 enumeration 8 enumeration 9 enumeration 10 enumeration 11 enumeration 12 enumeration 13 enumeration 14 enumeration 15 enumeration 16 enumeration 17 enumeration 18 enumeration 19 enumeration 20 enumeration 21 enumeration 22
Source	<pre><xs:element name="weather_category_code" type="nts:weather_category_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Classification of wind report</xs:documentation> </xs:annotation> </xs:element></pre>

Element nts:weather_item_type / nts:direction_code_min

Namespace	http://www.ris.eu/nts/4.0.4.0
Annotations	Direction of wind or wave
Diagram	<pre> classDiagram class direction_code_min { <<Type nts:weather_direction_code_enum>> } class nts:weather_direction_code_enum { <<nets:weather_direction_code_enum>> } direction_code_min "3" --> "1..1" nts:weather_direction_code_enum </pre>
Type	nts:weather_direction_code_enum
Properties	content: simple minOccurs: 0
Facets	maxLength 3 enumeration N enumeration NE enumeration E enumeration SE enumeration S enumeration SW enumeration W enumeration NW

	enumeration	WRB
Source	<xs:element name="direction_code_min" type="nts:weather_direction_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Direction of wind or wave</xs:documentation> </xs:annotation> </xs:element>	

Element nts:weather_item_type / nts:direction_code_max

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Direction of wind or wave	
Diagram	<pre> classDiagram direction_code_max "0..1" -- "nts:weather_direction_code_enum" direction_code_max <<Direction of wind or wave>> </pre>	
Type	nts:weather_direction_code_enum	
Properties	content: simple minOccurs: 0	
Facets	maxLength: 3 enumeration: N enumeration: NE enumeration: E enumeration: SE enumeration: S enumeration: SW enumeration: W enumeration: NW enumeration: WRB	
Source	<xs:element name="direction_code_max" type="nts:weather_direction_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Direction of wind or wave</xs:documentation> </xs:annotation> </xs:element>	

Complex Type(s)

Complex Type nts:RIS_Message_Type

Namespace	http://www.ris.eu/nts/4.0.4.0	
Diagram	<pre> classDiagram RIS_Message_Type "*" -- "nts:identification_type" RIS_Message_Type "*" -- "1..* ftm" RIS_Message_Type "*" -- "1..* wrm" RIS_Message_Type "*" -- "1..* icem" RIS_Message_Type "*" -- "1..* werm" RIS_Message_Type <<One msg contains one of these sections>> </pre>	
Used by	Element	nts:RIS_Message

Model	nts:identification , (nts:ftm+ nts:wrm+ nts:icem+ nts:werm+)
Children	nts:ftm, nts:icem, nts:identification, nts:werm, nts:wrm
Source	<pre> <xs:complexType name="RIS_Message_Type"> <xs:sequence> <xs:element name="identification" type="nts:identification_type"> <xs:annotation> <xs:documentation>Identification section</xs:documentation> </xs:annotation> </xs:element> <xs:choice> <xs:annotation> <xs:documentation>One msg contains one of these sections</xs:documentation> </xs:annotation> <xs:element name="ftm" type="nts:ftm_type" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Fairway and traffic related section</xs:documentation> </xs:annotation> </xs:element> <xs:element name="wrm" type="nts:wrm_type" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Water related section</xs:documentation> </xs:annotation> </xs:element> <xs:element name="icem" type="nts:icem_type" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Ice related section</xs:documentation> </xs:annotation> </xs:element> <xs:element name="werm" type="nts:werm_type" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Weather related section</xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:sequence> </xs:complexType></pre>

Complex Type nts:identification_type

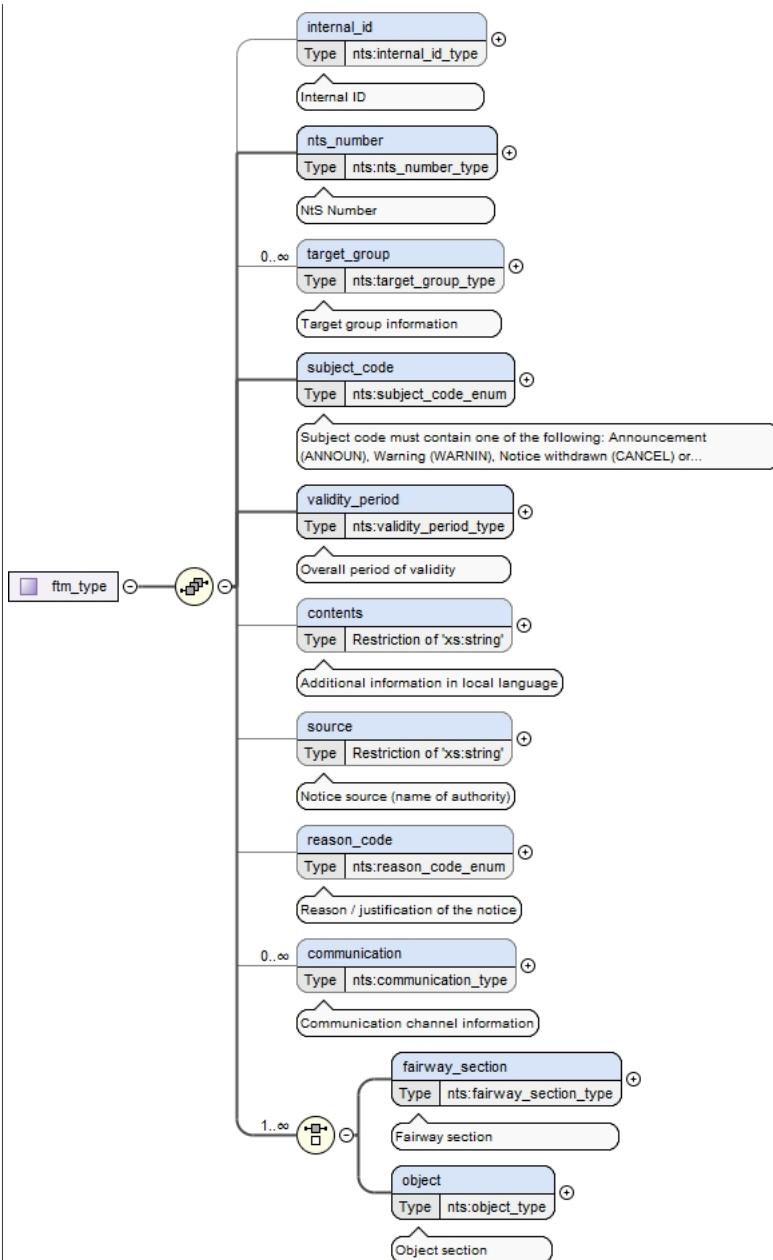
Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	<pre> classDiagram class identification_type { internal_id from originator country_code language_code district date_issue } internal_id { Type nts:internal_id_type } from { Type Restriction of 'xs:string' } originator { Type Restriction of 'xs:string' } country_code { Type nts:country_code_enum } language_code { Type nts:language_code_enum } district { Type Restriction of 'xs:string' } date_issue { Type xs:dateTime } </pre>
Used by	Element nts:RIS_Message_Type/nts:identification
Model	nts:internal_id{0,1} , nts:from , nts:originator , nts:country_code , nts:language_code , nts:district{0,1} , nts:date_issue

Children	nts:country_code, nts:date_issue, nts:district, nts:from, nts:internal_id, nts:language_code, nts:originator
Source	<pre> <xs:complexType name="identification_type"> <xs:sequence> <xs:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> <xs:annotation> <xs:documentation>Internal ID</xs:documentation> </xs:annotation> </xs:element> <xs:element name="from"> <xs:annotation> <xs:documentation>Sender (System) of the message</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:sequence> <xs:element name="originator"> <xs:annotation> <xs:documentation>Originator (initiator) of the information in this message</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="country_code" type="nts:country_code_enum"> <xs:annotation> <xs:documentation>Country where message is valid</xs:documentation> </xs:annotation> </xs:element> <xs:element name="language_code" type="nts:language_code_enum"> <xs:annotation> <xs:documentation>Original language used in the textual info. (contents)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="district" minOccurs="0"> <xs:annotation> <xs:documentation>District / Region within the specified country, where the message is applicable</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="date_issue" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and time of publication including time zone</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></pre>

Complex Type nts:ftm_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram



Used by	Element nts:RIS_Message_Type/nts:ftm
Model	nts:internal_id{0,1} , nts:nts_number , nts:target_group* , nts:subject_code , nts:validity_period , nts:contents{0,1} , nts:source{0,1} , nts:reason_code{0,1} , nts:communication* , (nts:fairway_section nts:object)
Children	nts:communication, nts:contents, nts:fairway_section, nts:internal_id, nts:nts_number, nts:object, nts:reason_code, nts:source, nts:subject_code, nts:target_group, nts:validity_period
Source	<pre> <xs:complexType name="ftm_type"> <xs:sequence> <xs:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> <xs:annotation> <xs:documentation>Internal ID</xs:documentation> </xs:annotation> </xs:element> <xs:element name="nts_number" type="nts:nts_number_type"> <xs:annotation> <xs:documentation>NtS Number</xs:documentation> </xs:annotation> </xs:element> <xs:element name="target_group" type="nts:target_group_type" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Target group information</xs:documentation> </xs:annotation> </xs:element> <xs:element name="validity_period" type="nts:validity_period_type"> <xs:annotation> <xs:documentation>Overall period of validity</xs:documentation> </xs:annotation> </xs:element> <xs:element name="contents" type="Restriction of 'xs:string'> <xs:annotation> <xs:documentation>Additional information in local language</xs:documentation> </xs:annotation> </xs:element> <xs:element name="source" type="Restriction of 'xs:string'> <xs:annotation> <xs:documentation>Notice source (name of authority)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="reason_code" type="nts:reason_code_enum"> <xs:annotation> <xs:documentation>Reason / justification of the notice</xs:documentation> </xs:annotation> </xs:element> <xs:element name="communication" type="nts:communication_type" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Communication channel information</xs:documentation> </xs:annotation> </xs:element> <xs:element name="fairway_section" type="nts:fairway_section_type" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Fairway section</xs:documentation> </xs:annotation> </xs:element> <xs:element name="object" type="nts:object_type" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Object section</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

```

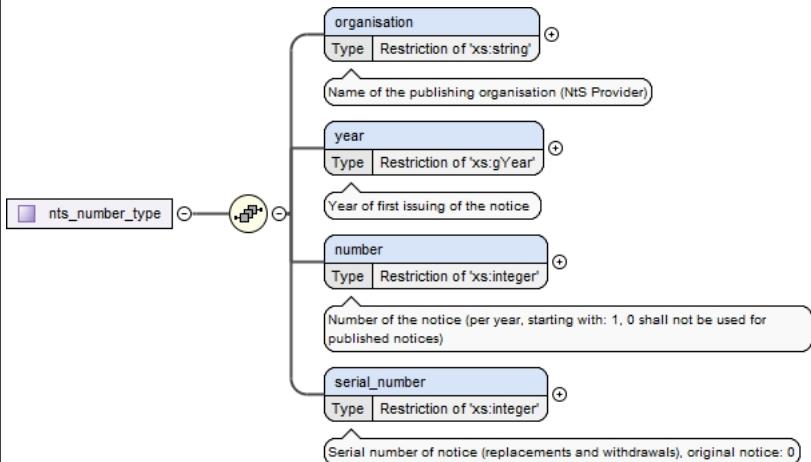
</xs:element>
<xs:element name="subject_code" type="nts:subject_code_enum">
  <xs:annotation>
    <xs:documentation>Subject code must contain one of the following: Announcement (ANNOUN), Warning (WARNIN), Notice withdrawn (CANCEL) or Information service (INFSER). More information on the use of codes can be found in the NtS Encoding Guide.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="validity_period" type="nts:validity_period_type">
  <xs:annotation>
    <xs:documentation>Overall period of validity</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="contents" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Additional information in local language</xs:documentation>
  </xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:maxLength value="500"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="source" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Notice source (name of authority)</xs:documentation>
  </xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:maxLength value="64"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="reason_code" type="nts:reason_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Reason / justification of the notice</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="communication" type="nts:communication_type" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Communication channel information</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:choice maxOccurs="unbounded">
  <xs:element name="fairway_section" type="nts:fairway_section_type">
    <xs:annotation>
      <xs:documentation>Fairway section</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="object" type="nts:object_type">
    <xs:annotation>
      <xs:documentation>Object section</xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:choice>
</xs:sequence>
</xs:complexType>

```

Complex Type nts:nts_number_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram



Used by	Elements nts:ftm_type/nts:nts_number, nts:icem_type/nts:nts_number, nts:werm_type/nts:nts_number, nts:wrm_type/nts:nts_number
Model	nts:organisation , nts:year , nts:number , nts:serial_number
Children	nts:number, nts:organisation, nts:serial_number, nts:year
Source	<pre> <xs:complexType name="nts_number_type"> <xs:sequence> <xs:element name="organisation"> <xs:annotation> <xs:documentation>Name of the publishing organisation (NtS Provider)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="year"> <xs:annotation> <xs:documentation>Year of first issuing of the notice</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:gYear"> <xs:minInclusive value="1900"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="number"> <xs:annotation> <xs:documentation>Number of the notice (per year, starting with: 1, 0 shall not be used for published notices)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="00000000"/> <xs:maxInclusive value="99999999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="serial_number"> <xs:annotation> <xs:documentation>Serial number of notice (replacements and withdrawals), original notice: 0</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="00"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type nts:target_group_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram	<pre> classDiagram class target_group_type { <<Target group (vessel type)>> } class target_group_code { Type nts:target_group_code_enum Default ALL } class direction_code { Type nts:direction_code_enum Default ALL } target_group_type "1" *-- "1" target_group_code target_group_type "1" *-- "1" direction_code </pre>
Used by	Elements nts:ftm_type/nts:target_group, nts:limitation_type/nts:target_group
Model	nts:target_group_code , nts:direction_code
Children	nts:direction_code, nts:target_group_code
Source	<pre> <xss:complexType name="target_group_type"> <xss:sequence> <xss:element name="target_group_code" type="nts:target_group_code_enum" default="ALL"> <xss:annotation> <xss:documentation>Target group (vessel type)</xss:documentation> </xss:annotation> </xss:element> <xss:element name="direction_code" type="nts:direction_code_enum" default="ALL"> <xss:annotation> <xss:documentation>Upstream or downstream traffic, or both</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

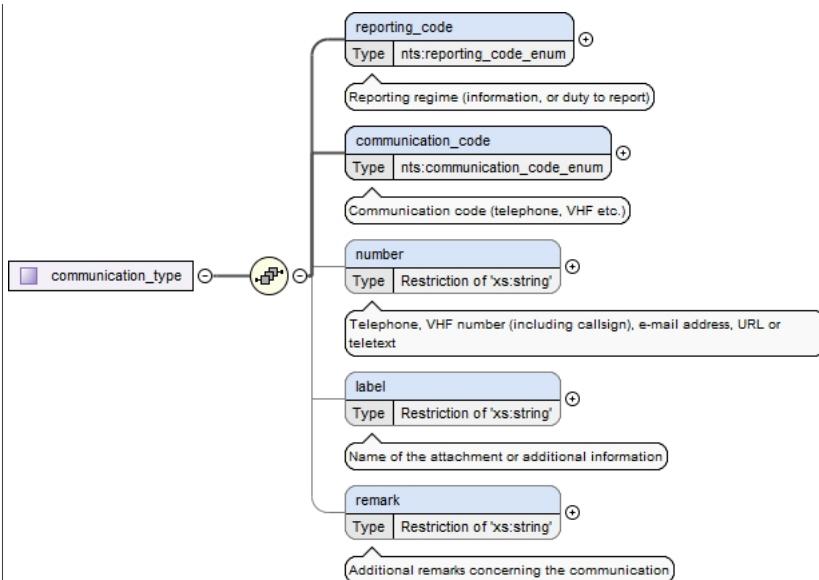
Complex Type nts:validity_period_type

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	<pre> classDiagram class validity_period_type { <<Start date of validity period including time zone>> <<End date of validity period including time zone>> } class date_start { Type xs:date } class date_end { Type xs:date } validity_period_type "1" *-- "1" date_start validity_period_type "1" *-- "1" date_end </pre>
Used by	Elements nts:ftm_type/nts:validity_period, nts:icem_type/nts:validity_period, nts:werm_type/nts:validity_period, nts:wrm_type/nts:validity_period
Model	nts:date_start , nts:date_end{0,1}
Children	nts:date_end, nts:date_start
Source	<pre> <xss:complexType name="validity_period_type"> <xss:sequence> <xss:element name="date_start" type="xs:date"> <xss:annotation> <xss:documentation>Start date of validity period including time zone</xss:documentation> </xss:annotation> </xss:element> <xss:element name="date_end" type="xs:date" minOccurs="0"> <xss:annotation> <xss:documentation>End date of validity period including time zone</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

Complex Type nts:communication_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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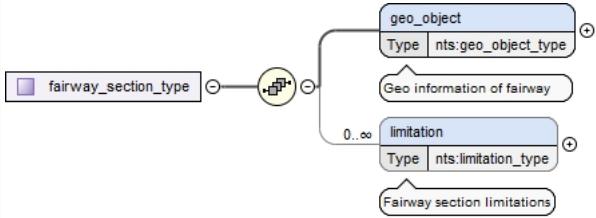
Diagram



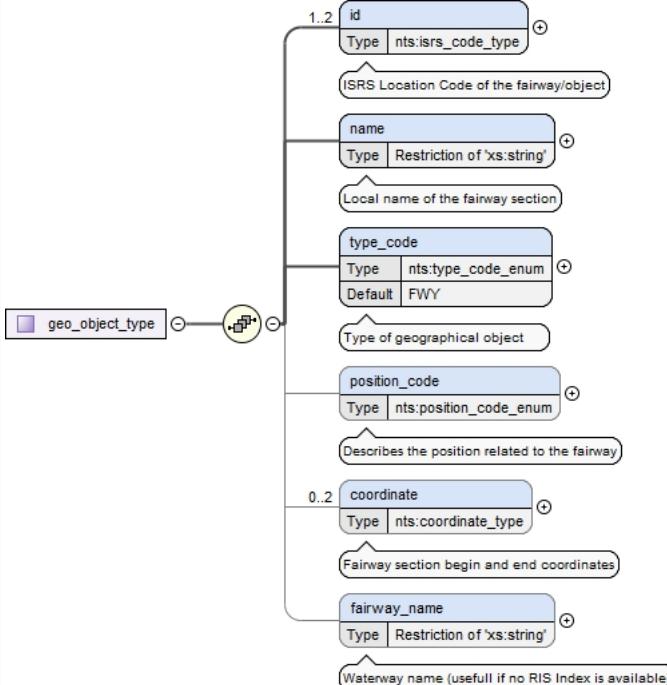
Used by	Element nts:ftm_type/nts:communication
Model	nts:reporting_code , nts:communication_code , nts:number{0,1} , nts:label{0,1} , nts:remark{0,1}
Children	nts:communication_code, nts:label, nts:number, nts:remark, nts:reporting_code
Source	<pre> <xs:complexType name="communication_type"> <xs:sequence> <xs:element name="reporting_code" type="nts:reporting_code_enum"> <xs:annotation> <xs:documentation>Reporting regime (information, or duty to report)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="communication_code" type="nts:communication_code_enum"> <xs:annotation> <xs:documentation>Communication code (telephone, VHF etc.)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="number" minOccurs="0"> <xs:annotation> <xs:documentation>Telephone, VHF number (including callsign), e-mail address, URL or teletext</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="128"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="label" minOccurs="0"> <xs:annotation> <xs:documentation>Name of the attachment or additional information</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="remark" minOccurs="0"> <xs:annotation> <xs:documentation>Additional remarks concerning the communication</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="1024"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type nts:fairway_section_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram	
Used by	Elements nts:ftm_type/nts:fairway_section, nts:icem_type/nts:fairway_section
Model	nts:geo_object , nts:limitation*
Children	nts:geo_object, nts:limitation
Source	<pre> <xss:complexType name="fairway_section_type"> <xss:sequence> <xss:element name="geo_object" type="nts:geo_object_type"> <xss:annotation> <xss:documentation>Geo information of fairway</xss:documentation> </xss:annotation> </xss:element> <xss:element name="limitation" type="nts:limitation_type" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Fairway section limitations</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

Complex Type nts:geo_object_type

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	
Used by	Elements nts:fairway_section_type/nts:geo_object, nts:fairway_section_werm_type/nts:geo_object, nts:object_type/nts:geo_object, nts:wrm_type/nts:geo_object
Model	nts:id{1,2} , nts:name , nts:type_code , nts:position_code{0,1} , nts:coordinate{0,2} , nts:fairway_name{0,1}
Children	nts:coordinate, nts:fairway_name, nts:id, nts:name, nts:position_code, nts:type_code
Source	<pre> <xss:complexType name="geo_object_type"> <xss:sequence> <xss:element name="id" type="nts:isrs_code_type" maxOccurs="2"> <xss:annotation> <xss:documentation>ISRS Location Code of the fairway/object</xss:documentation> </xss:annotation> </xss:element> <xss:element name="name" type="Restriction of 'xs:string'"> <xss:annotation> <xss:documentation>Local name of the fairway section</xss:documentation> </xss:annotation> </xss:element> <xss:element name="type_code" type="nts:type_code_enum" default="FWY"> <xss:annotation> <xss:documentation>Type of geographical object</xss:documentation> </xss:annotation> </xss:element> <xss:element name="position_code" type="nts:position_code_enum"> <xss:annotation> <xss:documentation>Describes the position related to the fairway</xss:documentation> </xss:annotation> </xss:element> <xss:element name="coordinate" type="nts:coordinate_type" maxOccurs="2"> <xss:annotation> <xss:documentation>Fairway section begin and end coordinates</xss:documentation> </xss:annotation> </xss:element> <xss:element name="fairway_name" type="Restriction of 'xs:string'"> <xss:annotation> <xss:documentation>Waterway name (usefull if no RIS Index is available)</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

```

<xs:annotation>
  <xs:documentation>Local name of the fairway section</xs:documentation>
</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:maxLength value="256"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="type_code" type="nts:type_code_enum" default="FWY">
  <xs:annotation>
    <xs:documentation>Type of geographical object</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="position_code" type="nts:position_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Describes the position related to the fairway</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="coordinate" type="nts:coordinate_type" minOccurs="0" maxOccurs="2">
  <xs:annotation>
    <xs:documentation>Fairway section begin and end coordinates</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="fairway_name" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Waterway name (usefull if no RIS Index is available)</xs:documentation>
  </xs:annotation>
</xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:maxLength value="256"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type nts:coordinate_type

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	<pre> classDiagram coordinate_type { <<lat : Type Restriction of 'xs:string'>> <<long : Type Restriction of 'xs:string'>> } coordinate_type < -- lat coordinate_type < -- long </pre>
Used by	Element nts:geo_object_type/nts:coordinate
Model	nts:lat , nts:long
Children	nts:lat, nts:long
Source	<pre> <xs:complexType name="coordinate_type"> <xs:sequence> <xs:element name="lat"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="10"/> <xs:maxLength value="12"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="long"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="10"/> <xs:maxLength value="13"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type nts:limitation_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram	<pre> classDiagram class limitation_type { limitation_period limitation_code position_code value unit reference_code indication_code target_group } limitation_type < -- limitation limitation < -- object_type </pre>
Used by	Elements nts:fairway_section_type/nts:limitation, nts:object_type/nts:limitation
Model	nts:limitation_period*, nts:limitation_code , nts:position_code{0,1} , nts:value{0,1} , nts:unit{0,1} , nts:reference_code{0,1} , nts:indication_code{0,1} , nts:target_group*
Children	nts:indication_code, nts:limitation_code, nts:limitation_period, nts:position_code, nts:reference_code, nts:target_group, nts:unit, nts:value
Source	<pre> <xss:complexType name="limitation_type"> <xss:sequence> <xss:element name="limitation_period" type="nts:limitation_period_type" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Limitation periods / intervals</xss:documentation> </xss:annotation> </xss:element> <xss:element name="limitation_code" type="nts:limitation_code_enum"> <xss:annotation> <xss:documentation>Kind of limitation</xss:documentation> </xss:annotation> </xss:element> <xss:element name="position_code" type="nts:position_code_enum" minOccurs="0"> <xss:annotation> <xss:documentation>Describes the position of the limitation related to the fairway</xss:documentation> </xss:annotation> </xss:element> <xss:element name="value" type="xs:float" minOccurs="0"> <xss:annotation> <xss:documentation>Value of limitation (i.e. max draught)</xss:documentation> </xss:annotation> </xss:element> <xss:element name="unit" type="nts:unit_enum" minOccurs="0"> <xss:annotation> <xss:documentation>Unit of the value of the limitation</xss:documentation> </xss:annotation> </xss:element> <xss:element name="reference_code" type="nts:reference_code_enum" minOccurs="0"> <xss:annotation> <xss:documentation>Value reference</xss:documentation> </xss:annotation> </xss:element> <xss:element name="indication_code" type="nts:indication_code_enum" minOccurs="0"> <xss:annotation> <xss:documentation>Minimum or maximum or reduced by</xss:documentation> </xss:annotation> </xss:element> <xss:element name="target_group" type="nts:target_group_type" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Target group information</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

```

</xs:element>
<xs:element name="indication_code" type="nts:indication_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Minimum or maximum or reduced by</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="target_group" type="nts:target_group_type" minOccurs="0"
maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Target group information</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type nts:limitation_period_type

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	<pre> classDiagram class limitation_period_type { date_start date_end time_start time_end interval_code } date_start < -- xs:date date_end < -- xs:date time_start < -- xs:time time_end < -- xs:time interval_code < -- nts:interval_code_enum </pre>
Used by	Element nts:limitation_type/nts:limitation_period
Model	nts:date_start , nts:date_end{0,1} , nts:time_start{0,1} , nts:time_end{0,1} , nts:interval_code{0,1}
Children	nts:date_end , nts:date_start , nts:interval_code , nts:time_end , nts:time_start
Source	<pre> <xs:complexType name="limitation_period_type"> <xs:sequence> <xs:element name="date_start" type="xs:date"> <xs:annotation> <xs:documentation>Start date of limitation period including time zone</xs:documentation> </xs:annotation> </xs:element> <xs:element name="date_end" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>End date of limitation period including time zone</xs:documentation> </xs:annotation> </xs:element> <xs:element name="time_start" type="xs:time" minOccurs="0"> <xs:annotation> <xs:documentation>Start time of limitation period without time zone</xs:documentation> </xs:annotation> </xs:element> <xs:element name="time_end" type="xs:time" minOccurs="0"> <xs:annotation> <xs:documentation>End time of limitation period without time zone</xs:documentation> </xs:annotation> </xs:element> <xs:element name="interval_code" type="nts:interval_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Interval for limitation if applicable</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type nts:object_type

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	<pre> classDiagram class object_type class geo_object { <<Type nts:geo_object_type>> } class limitation { <<Type nts:limitation_type>> } object_type "0..1" --> "0..1" geo_object : <<Geo Information of object>> object_type "0..infinity" --> "0..infinity" limitation : <<Object limitation section>> </pre>
Used by	Element nts:ftm_type/nts:object
Model	nts:geo_object , nts:limitation*
Children	nts:geo_object, nts:limitation
Source	<pre> <xss:complexType name="object_type"> <xss:sequence> <xss:element name="geo_object" type="nts:geo_object_type"> <xss:annotation> <xss:documentation>Geo Information of object</xss:documentation> </xss:annotation> </xss:element> <xss:element name="limitation" type="nts:limitation_type" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Object limitation section</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

Complex Type nts:wrn_type

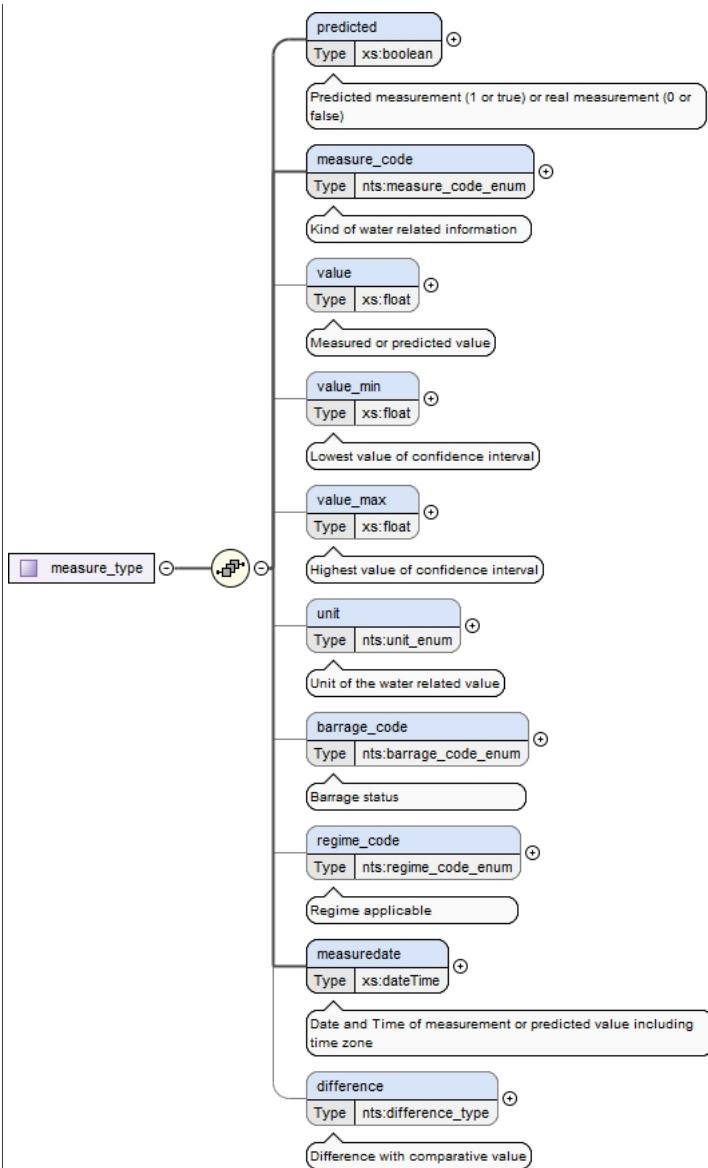
Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	<pre> classDiagram class wrn_type class internal_id { <<Type nts:internal_id_type>> } class nts_number { <<Type nts:nts_number_type>> } class validity_period { <<Type nts:validity_period_type>> } class geo_object { <<Type nts:geo_object_type>> } class reference_code { <<Type nts:reference_code_enum>> } class measure { <<Type nts:measure_type>> } wrn_type "0..1" --> "0..1" internal_id : <<Internal ID>> wrn_type "0..1" --> "0..1" nts_number : <<NIS Number>> wrn_type "0..1" --> "0..1" validity_period : <<Overall period of validity>> wrn_type "0..1" --> "0..1" geo_object : <<Object section>> wrn_type "0..1" --> "0..1" reference_code : <<Value reference (measurement reference)>> wrn_type "1..infinity" --> "1..infinity" measure : <<Measurements (normal or predicted values)>> </pre>
Used by	Element nts:RIS_Message_Type/nts:wrn
Model	nts:internal_id{0,1} , nts:nts_number{0,1} , nts:validity_period , nts:geo_object , nts:reference_code{0,1} , nts:measure+
Children	nts:geo_object, nts:internal_id, nts:measure, nts:nts_number, nts:reference_code, nts:validity_period
Source	<pre> <xss:complexType name="wrn_type"> <xss:sequence> <xss:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> <xss:annotation> <xss:documentation>Internal ID</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

```
</xs:annotation>
</xs:element>
<xs:element name="nts_number" type="nts:nts_number_type" minOccurs="0">
  <xs:annotation>
    <xs:documentation>NtS Number</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="validity_period" type="nts:validity_period_type">
  <xs:annotation>
    <xs:documentation>Overall period of validity</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="geo_object" type="nts:geo_object_type">
  <xs:annotation>
    <xs:documentation>Object section</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="reference_code" type="nts:reference_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Value reference (measurement reference)</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="measure" type="nts:measure_type" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Measurements (normal or predicted values)</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
```

Complex Type nts:measure_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram



Used by	Element <code>nts:wrm_type/nts:measure</code>
Model	<code>nts:predicted , nts:measure_code , nts:value{0,1} , nts:value_min{0,1} , nts:value_max{0,1} , nts:unit{0,1} , nts:barrage_code{0,1} , nts:regime_code{0,1} , nts:measuredate , nts:difference{0,1}</code>
Children	<code>nts:barrage_code , nts:difference , nts:measure_code , nts:measuredate , nts:predicted , nts:regime_code , nts:unit , nts:value , nts:value_max , nts:value_min</code>

Source

```

<xss:complexType name="measure_type">
  <xss:sequence>
    <xss:element name="predicted" type="xs:boolean">
      <xss:annotation>
        <xss:documentation>Predicted measurement (1 or true) or real measurement (0 or false)</xss:documentation>
      </xss:annotation>
    </xss:element>
    <xss:element name="measure_code" type="nts:measure_code_enum">
      <xss:annotation>
        <xss:documentation>Kind of water related information</xss:documentation>
      </xss:annotation>
    </xss:element>
    <xss:element name="value" type="xs:float" minOccurs="0">
      <xss:annotation>
        <xss:documentation>Measured or predicted value</xss:documentation>
      </xss:annotation>
    </xss:element>
    <xss:element name="value_min" type="xs:float" minOccurs="0">
      <xss:annotation>
        <xss:documentation>Lowest value of confidence interval</xss:documentation>
      </xss:annotation>
    </xss:element>
  </xss:sequence>
</xss:complexType>
  
```

```
</xs:element>
<xs:element name="value_max" type="xs:float" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Highest value of confidence interval</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="unit" type="nts:unit_enum" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Unit of the water related value</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="barrage_code" type="nts:barrage_code_enum" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Barrage status</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="regime_code" type="nts:regime_code_enum" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Regime applicable</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="measuredate" type="xs:dateTime">
    <xs:annotation>
        <xs:documentation>Date and Time of measurement or predicted value including time zone</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element name="difference" type="nts:difference_type" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Difference with comparative value</xs:documentation>
    </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
```

Complex Type `nts:difference_type`

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	<pre> classDiagram class difference_type { <<Sequence>> value_difference { Type xs:float } time_difference { Type xs:duration } } value_difference < -- "Difference with comparative value" time_difference < -- "Time difference with measuredata of comparative measurement" </pre>
Used by	Element nts:measure_type/nts:difference
Model	nts:value_difference , nts:time_difference
Children	nts:time_difference, nts:value_difference
Source	<pre> <xsd:complexType name="difference_type"> <xsd:sequence> <xsd:element name="value_difference" type="xsd:float"> <xsd:annotation> <xsd:documentation>Difference with comparative value</xsd:documentation> </xsd:annotation> </xsd:element> <xsd:element name="time_difference" type="xsd:duration"> <xsd:annotation> <xsd:documentation>Time difference with measuredata of comparative measurement</xsd:documentation> </xsd:annotation> </xsd:element> </xsd:sequence> </xsd:complexType> </pre>

Complex Type nts:icem_type

Namespace <http://www.ris.eu/nts/4.0.4.0>

Diagram	<pre> classDiagram class internal_id { Type nts:internal_id_type } class nts_number { Type nts:nts_number_type } class validity_period { Type nts:validity_period_type } class fairway_section { Type nts:fairway_section_type } class ice_condition { Type nts:ice_condition_type } internal_id < -- icem_type nts_number < -- icem_type validity_period < -- icem_type fairway_section < -- icem_type ice_condition * -- icem_type </pre>
Used by	Element nts:RIS_Message_Type/nts:icem
Model	nts:internal_id{0,1} , nts:nts_number , nts:validity_period , nts:fairway_section , nts:ice_condition+
Children	nts:fairway_section, nts:ice_condition, nts:internal_id, nts:nts_number, nts:validity_period
Source	<pre> <xss:complexType name="icem_type"> <xss:sequence> <xss:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> <xss:annotation> <xss:documentation>Internal ID</xss:documentation> </xss:annotation> </xss:element> <xss:element name="nts_number" type="nts:nts_number_type"> <xss:annotation> <xss:documentation>NtS Number</xss:documentation> </xss:annotation> </xss:element> <xss:element name="validity_period" type="nts:validity_period_type"> <xss:annotation> <xss:documentation>Overall period of validity</xss:documentation> </xss:annotation> </xss:element> <xss:element name="fairway_section" type="nts:fairway_section_type"> <xss:annotation> <xss:documentation>Fairway section - the limitation inside the fairway section cannot be used in the ICEM</xss:documentation> </xss:annotation> </xss:element> <xss:element name="ice_condition" type="nts:ice_condition_type" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Ice conditions</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

Complex Type nts:ice_condition_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram	<pre> classDiagram measuredate < -- ice_condition_type measuredate < -- ice_condition_code measuredate < -- ice_accessibility_code measuredate < -- ice_classification_code measuredate < -- ice_situation_code ice_condition_type < -- ice_condition_code ice_condition_type < -- ice_accessibility_code ice_condition_type < -- ice_classification_code ice_condition_type < -- ice_situation_code </pre>
Used by	Element nts:icem_type/nts:ice_condition
Model	nts:measuredate , nts:ice_condition_code{0,1} , nts:ice_accessibility_code{0,1} , nts:ice_classification_code{0,1} , nts:ice_situation_code{0,1}
Children	nts:ice_accessibility_code, nts:ice_classification_code, nts:ice_condition_code, nts:ice_situation_code, nts:measuredate
Source	<pre> <xs:complexType name="ice_condition_type"> <xs:sequence> <xs:element name="measuredate" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time of measurement or prediction including time zone</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ice_condition_code" type="nts:ice_condition_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Condition code</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ice_accessibility_code" type="nts:ice_accessibility_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Accessibility code</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ice_classification_code" type="nts:ice_classification_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Classification code</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ice_situation_code" type="nts:ice_situation_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Situation code</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type nts:werm_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram	<pre> classDiagram class internal_id { Type nts:internal_id_type } class nts_number { Type nts:nts_number_type } class validity_period { Type nts:validity_period_type } class fairway_section { Type nts:fairway_section_werm_type } class weather_report { Type nts:weather_report_type } werm_type < -- internal_id werm_type < -- nts_number werm_type < -- validity_period werm_type < -- fairway_section werm_type < -- weather_report </pre> <p>The diagram shows the structure of the <code>nts:werm_type</code> complex type. It consists of a sequence of elements: <code>internal_id</code>, <code>nts_number</code>, <code>validity_period</code>, <code>fairway_section</code>, and <code>weather_report</code>. Each element is associated with its respective type (<code>nts:internal_id_type</code>, <code>nts:nts_number_type</code>, <code>nts:validity_period_type</code>, <code>nts:fairway_section_werm_type</code>, and <code>nts:weather_report_type</code>). The <code>nts:werm_type</code> itself is marked with a multiplicity of 0..1.</p>
Used by	Element <code>nts:RIS_Message_Type/nts:werm</code>
Model	<code>nts:internal_id{0,1}</code> , <code>nts:nts_number{0,1}</code> , <code>nts:validity_period</code> , <code>nts:fairway_section</code> , <code>nts:weather_report{1,2}</code>
Children	<code>nts:fairway_section</code> , <code>nts:internal_id</code> , <code>nts:nts_number</code> , <code>nts:validity_period</code> , <code>nts:weather_report</code>
Source	<pre> <xss:complexType name="werm_type"> <xss:sequence> <xss:element name="internal_id" type="nts:internal_id_type" minOccurs="0"> <xss:annotation> <xss:documentation>Internal ID</xss:documentation> </xss:annotation> </xss:element> <xss:element name="nts_number" type="nts:nts_number_type" minOccurs="0"> <xss:annotation> <xss:documentation>NtS Number</xss:documentation> </xss:annotation> </xss:element> <xss:element name="validity_period" type="nts:validity_period_type"> <xss:annotation> <xss:documentation>Overall period of validity</xss:documentation> </xss:annotation> </xss:element> <xss:element name="fairway_section" type="nts:fairway_section_werm_type"> <xss:annotation> <xss:documentation>Fairway section</xss:documentation> </xss:annotation> </xss:element> <xss:element name="weather_report" type="nts:weather_report_type" maxOccurs="2"> <xss:annotation> <xss:documentation>Actual or Forecast report sections</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

Complex Type `nts:fairway_section_werm_type`

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	<pre> classDiagram class fairway_section_werm_type { < -- geo_object } class geo_object { Type nts:geo_object_type } fairway_section_werm_type < -- geo_object </pre> <p>The diagram shows the structure of the <code>nts:fairway_section_werm_type</code> complex type. It is a specialization of the <code>geo_object</code> type, indicated by the inheritance arrow from <code>fairway_section_werm_type</code> to <code>geo_object</code>. The <code>nts:geo_object_type</code> is also listed as a type for <code>geo_object</code>.</p>
Used by	Element <code>nts:werm_type/nts:fairway_section</code>
Model	<code>nts:geo_object</code>
Children	<code>nts:geo_object</code>
Source	<pre> <xss:complexType name="fairway_section_werm_type"> <xss:sequence> <xss:element name="geo_object" type="nts:geo_object_type"> <xss:annotation> <xss:documentation>Geo Information of fairway</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </pre>

```

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

```

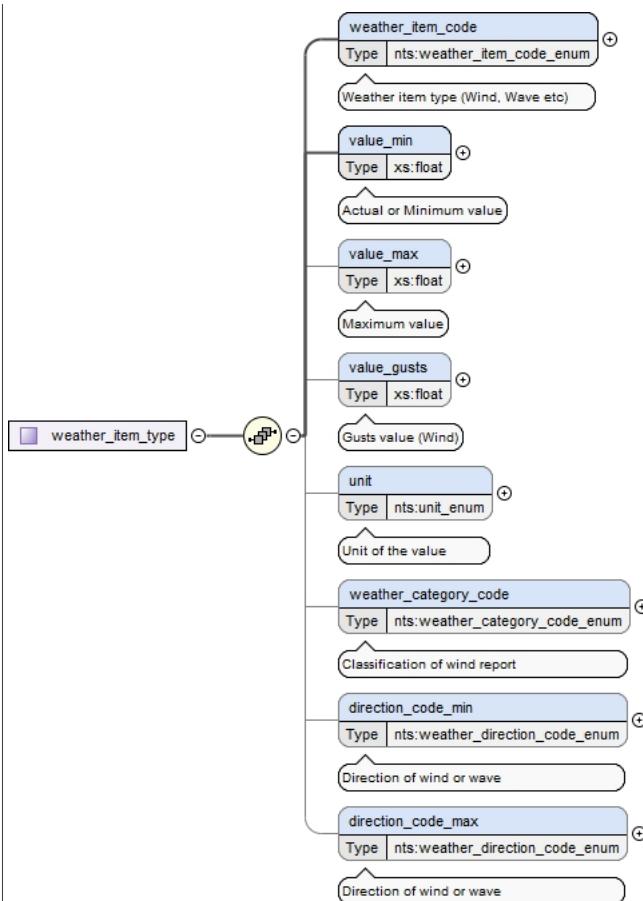
Complex Type nts:weather_report_type

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	<pre> classDiagram class weather_report_type { measuredate forecast weather_class_code weather_item } measuredate { Type xs:dateTime documentation: Date and time of measurement or predicted value including timezone } forecast { Type xs:boolean documentation: Forecast (true or 1) OR Actual report (false or 0) } weather_class_code { Type nts:weather_class_code_enum documentation: Classification of weather report } weather_item { Type nts:weather_item_type documentation: Weather items } </pre>
Used by	Element nts:werm_type/nts:weather_report
Model	nts:measuredate{0,1} , nts:forecast , nts:weather_class_code+ , nts:weather_item*
Children	nts:forecast, nts:measuredate, nts:weather_class_code, nts:weather_item
Source	<pre> <xs:complexType name="weather_report_type"> <xs:sequence> <xs:element name="measuredate" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Date and time of measurement or predicted value including timezone</xs:documentation> </xs:annotation> </xs:element> <xs:element name="forecast" type="xs:boolean"> <xs:annotation> <xs:documentation>Forecast (true or 1) OR Actual report (false or 0)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="weather_class_code" type="nts:weather_class_code_enum" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Classification of weather report</xs:documentation> </xs:annotation> </xs:element> <xs:element name="weather_item" type="nts:weather_item_type" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Weather items</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

Complex Type nts:weather_item_type

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram



Used by	Element <code>nts:weather_report_type/nts:weather_item</code>
Model	<code>nts:weather_item_code</code> , <code>nts:value_min</code> , <code>nts:value_max{0,1}</code> , <code>nts:value_gusts{0,1}</code> , <code>nts:unit{0,1}</code> , <code>nts:weather_category_code{0,1}</code> , <code>nts:direction_code_min{0,1}</code> , <code>nts:direction_code_max{0,1}</code>
Children	<code>nts:direction_code_max</code> , <code>nts:direction_code_min</code> , <code>nts:unit</code> , <code>nts:value_gusts</code> , <code>nts:value_max</code> , <code>nts:value_min</code> , <code>nts:weather_category_code</code> , <code>nts:weather_item_code</code>
Source	<pre> <xs:complexType name="weather_item_type"> <xs:sequence> <xs:element name="weather_item_code" type="nts:weather_item_code_enum"> <xs:annotation> <xs:documentation>Weather item type (Wind, Wave etc)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="value_min" type="xs:float"> <xs:annotation> <xs:documentation>Actual or Minimum value</xs:documentation> </xs:annotation> </xs:element> <xs:element name="value_max" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Maximum value</xs:documentation> </xs:annotation> </xs:element> <xs:element name="value_gusts" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Gusts value (Wind)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="unit" type="nts:unit_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Unit of the value</xs:documentation> </xs:annotation> </xs:element> <xs:element name="weather_category_code" type="nts:weather_category_code_enum" minOccurs="0"> <xs:annotation> <xs:documentation>Classification of wind report</xs:documentation> </xs:annotation> </xs:element> <xs:element name="direction_code_min" type="nts:weather_direction_code_enum" minOccurs="0"> </pre>

```

<xs:annotation>
  <xs:documentation>Direction of wind or wave</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="direction_code_max" type="nts:weather_direction_code_enum" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Direction of wind or wave</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Simple Type(s)

Simple Type nts:internal_id_type

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	Internal ID - best practice: global unique identifier	
Diagram	<p>The diagram shows a class named 'internal_id_type' connected by a directed association with multiplicity '*' to another class named 'xs:string'. A callout box below the association line indicates that 'Internal ID - best practice: global unique identifier'.</p>	
Type	restriction of xs:string	
Facets	maxLength	64
Used by	Elements nts:ftm_type/nts:internal_id, nts:icem_type/nts:internal_id, nts:identification_type/nts:internal_id, nts:werm_type/nts:internal_id, nts:wrn_type/nts:internal_id	
Source	<pre> <xs:simpleType name="internal_id_type"> <xs:annotation> <xs:documentation>Internal ID - best practice: global unique identifier</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </pre>	

Simple Type nts:country_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0	
Diagram	<p>The diagram shows a class named 'country_code_enum' connected by a directed association with multiplicity '*' to another class named 'xs:string'. A callout box below the association line indicates that 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	restriction of xs:string	
Facets	maxLength	2
	enumeration	AT
	enumeration	BE
	enumeration	BG
	enumeration	CH
	enumeration	CY
	enumeration	CZ
	enumeration	DE
	enumeration	DK
	enumeration	EE
	enumeration	ES
	enumeration	FI
	enumeration	FR
	enumeration	GB
	enumeration	GR
	enumeration	HR
	enumeration	HU

	enumeration	IE
	enumeration	IT
	enumeration	LT
	enumeration	LU
	enumeration	LV
	enumeration	MD
	enumeration	ME
	enumeration	MT
	enumeration	NL
	enumeration	PL
	enumeration	PT
	enumeration	RO
	enumeration	RS
	enumeration	SE
	enumeration	SI
	enumeration	SK
	enumeration	RU
	enumeration	UA
Used by	Element	nts:identification_type/nts:country_code
Source	<pre><xs:simpleType name="country_code_enum"> <xs:restriction bases="xs:string"> <xs:maxLength value="2"/> <xs:enumeration value="AT"/> <xs:enumeration value="BE"/> <xs:enumeration value="BG"/> <xs:enumeration value="CH"/> <xs:enumeration value="CY"/> <xs:enumeration value="CZ"/> <xs:enumeration value="DE"/> <xs:enumeration value="DK"/> <xs:enumeration value="EE"/> <xs:enumeration value="ES"/> <xs:enumeration value="FI"/> <xs:enumeration value="FR"/> <xs:enumeration value="GB"/> <xs:enumeration value="GR"/> <xs:enumeration value="HR"/> <xs:enumeration value="HU"/> <xs:enumeration value="IE"/> <xs:enumeration value="IT"/> <xs:enumeration value="LT"/> <xs:enumeration value="LU"/> <xs:enumeration value="LV"/> <xs:enumeration value="MD"/> <xs:enumeration value="ME"/> <xs:enumeration value="MT"/> <xs:enumeration value="NL"/> <xs:enumeration value="PL"/> <xs:enumeration value="PT"/> <xs:enumeration value="RO"/> <xs:enumeration value="RS"/> <xs:enumeration value="SE"/> <xs:enumeration value="SI"/> <xs:enumeration value="SK"/> <xs:enumeration value="RU"/> <xs:enumeration value="UA"/> </xs:restriction> </xs:simpleType></pre>	

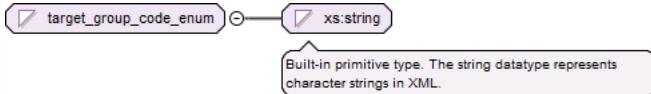
Simple Type nts:language_code_enum

Namespace	http://www.iris.eu/nts/4.0.4.0
Diagram	<p>The diagram shows a UML class named "language_code_enum" with a hollow diamond symbol indicating it is a derived class. It has a solid line connecting to another class named "xs:string". A callout box points to the "xs:string" class with the text: "Built-in primitive type. The string datatype represents character strings in XML."</p>

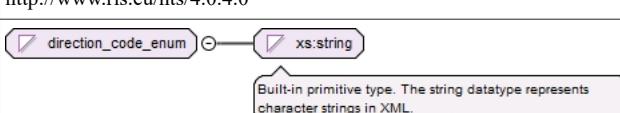
Type	restriction of xs:string	
Facets	maxLength	2
	enumeration	DE
	enumeration	EN
	enumeration	FR
	enumeration	NL
	enumeration	SK
	enumeration	HU
	enumeration	HR
	enumeration	SR
	enumeration	BG
	enumeration	RO
	enumeration	RU
	enumeration	CS
	enumeration	PL
	enumeration	PT
	enumeration	ES
	enumeration	SV
	enumeration	FI
	enumeration	DA
	enumeration	ET
	enumeration	LV
	enumeration	LT
	enumeration	IT
	enumeration	MT
	enumeration	EL
	enumeration	SL
Used by	Element	nts:identification_type/nts:language_code
Source	<pre> <xs:simpleType name="language_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="2"/> <xs:enumeration value="DE"/> <xs:enumeration value="EN"/> <xs:enumeration value="FR"/> <xs:enumeration value="NL"/> <xs:enumeration value="SK"/> <xs:enumeration value="HU"/> <xs:enumeration value="HR"/> <xs:enumeration value="SR"/> <xs:enumeration value="BG"/> <xs:enumeration value="RO"/> <xs:enumeration value="RU"/> <xs:enumeration value="CS"/> <xs:enumeration value="PL"/> <xs:enumeration value="PT"/> <xs:enumeration value="ES"/> <xs:enumeration value="SV"/> <xs:enumeration value="FI"/> <xs:enumeration value="DA"/> <xs:enumeration value="ET"/> <xs:enumeration value="LV"/> <xs:enumeration value="LT"/> <xs:enumeration value="IT"/> <xs:enumeration value="MT"/> <xs:enumeration value="EL"/> <xs:enumeration value="SL"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:target_group_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram																															
Type	restriction of xs:string																														
Facets	<table border="1"> <tr><td>maxLength</td><td>3</td></tr> <tr><td>enumeration</td><td>ALL</td></tr> <tr><td>enumeration</td><td>CDG</td></tr> <tr><td>enumeration</td><td>COM</td></tr> <tr><td>enumeration</td><td>PAX</td></tr> <tr><td>enumeration</td><td>PLE</td></tr> <tr><td>enumeration</td><td>CNV</td></tr> <tr><td>enumeration</td><td>PUS</td></tr> <tr><td>enumeration</td><td>NNU</td></tr> <tr><td>enumeration</td><td>LOA</td></tr> <tr><td>enumeration</td><td>SMA</td></tr> <tr><td>enumeration</td><td>CND</td></tr> <tr><td>enumeration</td><td>WOC</td></tr> <tr><td>enumeration</td><td>MOV</td></tr> <tr><td>enumeration</td><td>NMV</td></tr> </table>	maxLength	3	enumeration	ALL	enumeration	CDG	enumeration	COM	enumeration	PAX	enumeration	PLE	enumeration	CNV	enumeration	PUS	enumeration	NNU	enumeration	LOA	enumeration	SMA	enumeration	CND	enumeration	WOC	enumeration	MOV	enumeration	NMV
maxLength	3																														
enumeration	ALL																														
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enumeration	SMA																														
enumeration	CND																														
enumeration	WOC																														
enumeration	MOV																														
enumeration	NMV																														
Used by	Element nts:target_group_type/nts:target_group_code																														
Source	<pre><xs:simpleType name="target_group_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="ALL"/> <xs:enumeration value="CDG"/> <xs:enumeration value="COM"/> <xs:enumeration value="PAX"/> <xs:enumeration value="PLE"/> <xs:enumeration value="CNV"/> <xs:enumeration value="PUS"/> <xs:enumeration value="NNU"/> <xs:enumeration value="LOA"/> <xs:enumeration value="SMA"/> <xs:enumeration value="CND"/> <xs:enumeration value="WOC"/> <xs:enumeration value="MOV"/> <xs:enumeration value="NMV"/> </xs:restriction> </xs:simpleType></pre>																														

Simple Type nts:direction_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0								
Diagram									
Type	restriction of xs:string								
Facets	<table border="1"> <tr><td>maxLength</td><td>3</td></tr> <tr><td>enumeration</td><td>ALL</td></tr> <tr><td>enumeration</td><td>UPS</td></tr> <tr><td>enumeration</td><td>DWN</td></tr> </table>	maxLength	3	enumeration	ALL	enumeration	UPS	enumeration	DWN
maxLength	3								
enumeration	ALL								
enumeration	UPS								
enumeration	DWN								
Used by	Element nts:target_group_type/nts:direction_code								
Source	<pre><xs:simpleType name="direction_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="ALL"/> <xs:enumeration value="UPS"/> <xs:enumeration value="DWN"/> </xs:restriction> </xs:simpleType></pre>								

</xs:simpleType>

Simple Type nts:subject_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0																																																																																		
Diagram	<pre> classDiagram subject_code_enum < -- xs:string note over xs:string: Built-in primitive type. The string datatype represents character strings in XML. </pre>																																																																																		
Type	restriction of xs:string																																																																																		
Facets	<table> <tr><td>minLength</td><td>3</td></tr> <tr><td>maxLength</td><td>6</td></tr> <tr><td>enumeration</td><td>ANNOUN</td></tr> <tr><td>enumeration</td><td>WARNIN</td></tr> <tr><td>enumeration</td><td>CANCEL</td></tr> <tr><td>enumeration</td><td>INFSER</td></tr> <tr><td>enumeration</td><td>OBSTRU</td></tr> <tr><td>enumeration</td><td>PAROBS</td></tr> <tr><td>enumeration</td><td>DELAY</td></tr> <tr><td>enumeration</td><td>VESLEN</td></tr> <tr><td>enumeration</td><td>VESHEI</td></tr> <tr><td>enumeration</td><td>VESBRE</td></tr> <tr><td>enumeration</td><td>VESDRA</td></tr> <tr><td>enumeration</td><td>AVALEN</td></tr> <tr><td>enumeration</td><td>CLEHEI</td></tr> <tr><td>enumeration</td><td>CLEWID</td></tr> <tr><td>enumeration</td><td>AVADEP</td></tr> <tr><td>enumeration</td><td>NOMOOR</td></tr> <tr><td>enumeration</td><td>SERVIC</td></tr> <tr><td>enumeration</td><td>NOOSERV</td></tr> <tr><td>enumeration</td><td>SPEED</td></tr> <tr><td>enumeration</td><td>WAWWAS</td></tr> <tr><td>enumeration</td><td>PASSIN</td></tr> <tr><td>enumeration</td><td>ANCHOR</td></tr> <tr><td>enumeration</td><td>OVRTAK</td></tr> <tr><td>enumeration</td><td>MINPWR</td></tr> <tr><td>enumeration</td><td>DREDGE</td></tr> <tr><td>enumeration</td><td>WORK</td></tr> <tr><td>enumeration</td><td>EVENT</td></tr> <tr><td>enumeration</td><td>CHGMAR</td></tr> <tr><td>enumeration</td><td>CHGSER</td></tr> <tr><td>enumeration</td><td>SPCMAR</td></tr> <tr><td>enumeration</td><td>EXERC</td></tr> <tr><td>enumeration</td><td>LEADEP</td></tr> <tr><td>enumeration</td><td>LEVDEC</td></tr> <tr><td>enumeration</td><td>LEVRIS</td></tr> <tr><td>enumeration</td><td>LIMITA</td></tr> <tr><td>enumeration</td><td>MISECH</td></tr> <tr><td>enumeration</td><td>ECDISU</td></tr> <tr><td>enumeration</td><td>NEWOBJ</td></tr> <tr><td>enumeration</td><td>CHWWY</td></tr> </table>	minLength	3	maxLength	6	enumeration	ANNOUN	enumeration	WARNIN	enumeration	CANCEL	enumeration	INFSER	enumeration	OBSTRU	enumeration	PAROBS	enumeration	DELAY	enumeration	VESLEN	enumeration	VESHEI	enumeration	VESBRE	enumeration	VESDRA	enumeration	AVALEN	enumeration	CLEHEI	enumeration	CLEWID	enumeration	AVADEP	enumeration	NOMOOR	enumeration	SERVIC	enumeration	NOOSERV	enumeration	SPEED	enumeration	WAWWAS	enumeration	PASSIN	enumeration	ANCHOR	enumeration	OVRTAK	enumeration	MINPWR	enumeration	DREDGE	enumeration	WORK	enumeration	EVENT	enumeration	CHGMAR	enumeration	CHGSER	enumeration	SPCMAR	enumeration	EXERC	enumeration	LEADEP	enumeration	LEVDEC	enumeration	LEVRIS	enumeration	LIMITA	enumeration	MISECH	enumeration	ECDISU	enumeration	NEWOBJ	enumeration	CHWWY
minLength	3																																																																																		
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enumeration	CHGSER																																																																																		
enumeration	SPCMAR																																																																																		
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enumeration	LIMITA																																																																																		
enumeration	MISECH																																																																																		
enumeration	ECDISU																																																																																		
enumeration	NEWOBJ																																																																																		
enumeration	CHWWY																																																																																		

	enumeration	CONWWY
	enumeration	DIVER
	enumeration	SPECTR
	enumeration	LOCRUL
	enumeration	VHFCOV
	enumeration	HIGVOL
	enumeration	TURNIN
	enumeration	CONBRE
	enumeration	CONLEN
	enumeration	REMOBJ
Used by	Element	nts:ftm_type/nts:subject_code
Source	<pre> <xs:simpleType name="subject_code_enum"> <xs:restriction base="xs:string"> <xs:minLength value="3" /> <xs:maxLength value="6" /> <xs:enumeration value="ANNOUN" /> <xs:enumeration value="WARNIN" /> <xs:enumeration value="CANCEL" /> <!-- the following values are added due to CR 128 --> <xs:enumeration value="INFSER" /> <!-- obsolete values due to CR 128 but still valid for backwards compatibility --> <xs:enumeration value="OBSTRU" /> <xs:enumeration value="PAROBS" /> <xs:enumeration value="DELAY" /> <xs:enumeration value="VESLEN" /> <xs:enumeration value="VESHEI" /> <xs:enumeration value="VESBRE" /> <xs:enumeration value="VESDRA" /> <xs:enumeration value="AVALEN" /> <xs:enumeration value="CLEHEI" /> <xs:enumeration value="CLEWID" /> <xs:enumeration value="AVADEP" /> <xs:enumeration value="NOMOOR" /> <xs:enumeration value="SERVIC" /> <xs:enumeration value="NOSERV" /> <xs:enumeration value="SPEED" /> <xs:enumeration value="WAWWAS" /> <xs:enumeration value="PASSIN" /> <xs:enumeration value="ANCHOR" /> <xs:enumeration value="OVRTAK" /> <xs:enumeration value="MINPWR" /> <xs:enumeration value="DREDGE" /> <xs:enumeration value="WORK" /> <xs:enumeration value="EVENT" /> <xs:enumeration value="CHGMAR" /> <xs:enumeration value="CHGSER" /> <xs:enumeration value="SPCMAR" /> <xs:enumeration value="EXERC" /> <xs:enumeration value="LEADEP" /> <xs:enumeration value="LEVDEC" /> <xs:enumeration value="LEVVIS" /> <xs:enumeration value="LIMITA" /> <xs:enumeration value="MISECH" /> <xs:enumeration value="ECDISU" /> <xs:enumeration value="NEWOBJ" /> <xs:enumeration value="CHWWY" /> <xs:enumeration value="CONWWY" /> <xs:enumeration value="DIVER" /> <xs:enumeration value="SPECTR" /> <xs:enumeration value="LOCRUL" /> <xs:enumeration value="VHFCOV" /> <xs:enumeration value="HIGVOL" /> <xs:enumeration value="TURNIN" /> <xs:enumeration value="CONBRE" /> <xs:enumeration value="CONLEN" /> <xs:enumeration value="REMOBJ" /> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:reason_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram	<pre> classDiagram class reason_code_enum { <<Built-in primitive type. The string datatype represents character strings in XML.>> } xs:string < -- reason_code_enum </pre>																																																																																										
Type	restriction of xs:string																																																																																										
Facets	<table border="1"> <tr><td>minLength</td><td>3</td></tr> <tr><td>maxLength</td><td>6</td></tr> <tr><td>enumeration</td><td>EVENT</td></tr> <tr><td>enumeration</td><td>WORK</td></tr> <tr><td>enumeration</td><td>DREDGE</td></tr> <tr><td>enumeration</td><td>EXERC</td></tr> <tr><td>enumeration</td><td>HIGWAT</td></tr> <tr><td>enumeration</td><td>HIWAI</td></tr> <tr><td>enumeration</td><td>HIWAI</td></tr> <tr><td>enumeration</td><td>LOWWAT</td></tr> <tr><td>enumeration</td><td>SHALLO</td></tr> <tr><td>enumeration</td><td>CALAMI</td></tr> <tr><td>enumeration</td><td>LAUNCH</td></tr> <tr><td>enumeration</td><td>DECLEV</td></tr> <tr><td>enumeration</td><td>FLOMEA</td></tr> <tr><td>enumeration</td><td>BLDWRK</td></tr> <tr><td>enumeration</td><td>REPAIR</td></tr> <tr><td>enumeration</td><td>INSPEC</td></tr> <tr><td>enumeration</td><td>FIRWRK</td></tr> <tr><td>enumeration</td><td>LIMITA</td></tr> <tr><td>enumeration</td><td>CHGFWY</td></tr> <tr><td>enumeration</td><td>CONSTR</td></tr> <tr><td>enumeration</td><td>DIVING</td></tr> <tr><td>enumeration</td><td>SPECTR</td></tr> <tr><td>enumeration</td><td>EXT</td></tr> <tr><td>enumeration</td><td>MIN</td></tr> <tr><td>enumeration</td><td>SOUND</td></tr> <tr><td>enumeration</td><td>OTHER</td></tr> <tr><td>enumeration</td><td>STRIKE</td></tr> <tr><td>enumeration</td><td>FLOMAT</td></tr> <tr><td>enumeration</td><td>EXPLOS</td></tr> <tr><td>enumeration</td><td>ICE</td></tr> <tr><td>enumeration</td><td>OBSTAC</td></tr> <tr><td>enumeration</td><td>CHGMAR</td></tr> <tr><td>enumeration</td><td>DAMMAR</td></tr> <tr><td>enumeration</td><td>FALMAT</td></tr> <tr><td>enumeration</td><td>MISECH</td></tr> <tr><td>enumeration</td><td>HEARIS</td></tr> <tr><td>enumeration</td><td>HIGVOL</td></tr> <tr><td>enumeration</td><td>ECDISU</td></tr> <tr><td>enumeration</td><td>LOCRUL</td></tr> <tr><td>enumeration</td><td>NEWOBJ</td></tr> <tr><td>enumeration</td><td>OBUNWA</td></tr> <tr><td>enumeration</td><td>VHFCOV</td></tr> <tr><td>enumeration</td><td>REMOBJ</td></tr> </table>	minLength	3	maxLength	6	enumeration	EVENT	enumeration	WORK	enumeration	DREDGE	enumeration	EXERC	enumeration	HIGWAT	enumeration	HIWAI	enumeration	HIWAI	enumeration	LOWWAT	enumeration	SHALLO	enumeration	CALAMI	enumeration	LAUNCH	enumeration	DECLEV	enumeration	FLOMEA	enumeration	BLDWRK	enumeration	REPAIR	enumeration	INSPEC	enumeration	FIRWRK	enumeration	LIMITA	enumeration	CHGFWY	enumeration	CONSTR	enumeration	DIVING	enumeration	SPECTR	enumeration	EXT	enumeration	MIN	enumeration	SOUND	enumeration	OTHER	enumeration	STRIKE	enumeration	FLOMAT	enumeration	EXPLOS	enumeration	ICE	enumeration	OBSTAC	enumeration	CHGMAR	enumeration	DAMMAR	enumeration	FALMAT	enumeration	MISECH	enumeration	HEARIS	enumeration	HIGVOL	enumeration	ECDISU	enumeration	LOCRUL	enumeration	NEWOBJ	enumeration	OBUNWA	enumeration	VHFCOV	enumeration	REMOBJ
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enumeration	VHFCOV																																																																																										
enumeration	REMOBJ																																																																																										

	enumeration	LEVRIS
	enumeration	SPCMAR
	enumeration	WERMCO
	enumeration	INFSER
Used by	Element	nts:ftm_type/nts:reason_code
Source	<pre> <xs:simpleType name="reason_code_enum"> <xs:restriction base="xs:string"> <xs:minLength value="3"/> <xs:maxLength value="6"/> <xs:enumeration value="EVENT"/> <xs:enumeration value="WORK"/> <xs:enumeration value="DREDGE"/> <xs:enumeration value="EXERC"/> <xs:enumeration value="HIGWAT"/> <xs:enumeration value="HIWAI"/> <xs:enumeration value="HIWAI1"/> <xs:enumeration value="LOWWAT"/> <xs:enumeration value="SHALLO"/> <xs:enumeration value="CALAMI"/> <xs:enumeration value="LAUNCH"/> <xs:enumeration value="DECLEV"/> <xs:enumeration value="FLOMEA"/> <xs:enumeration value="BLDWRK"/> <xs:enumeration value="REPAIR"/> <xs:enumeration value="INSPEC"/> <xs:enumeration value="FIRWRK"/> <xs:enumeration value="LIMITA"/> <xs:enumeration value="CHGFWY"/> <xs:enumeration value="CONSTR"/> <xs:enumeration value="DIVING"/> <xs:enumeration value="SPECTR"/> <xs:enumeration value="EXT"/> <xs:enumeration value="MIN"/> <xs:enumeration value="SOUND"/> <xs:enumeration value="OTHER"/> <xs:enumeration value="STRIKE"/> <xs:enumeration value="FLOMAT"/> <xs:enumeration value="EXPLOS"/> <xs:enumeration value="ICE"/> <xs:enumeration value="OBSTAC"/> <!--the following values are added due to CR 128--> <xs:enumeration value="CHGMAR"/> <xs:enumeration value="DAMMAR"/> <xs:enumeration value="FALMAT"/> <xs:enumeration value="MISECH"/> <xs:enumeration value="HEARIS"/> <xs:enumeration value="HIGVOL"/> <xs:enumeration value="ECDISU"/> <xs:enumeration value="LOCRUL"/> <xs:enumeration value="NEWOBJ"/> <xs:enumeration value="OBUNWA"/> <xs:enumeration value="VHFcov"/> <xs:enumeration value="REMOBJ"/> <xs:enumeration value="LEVRIS"/> <xs:enumeration value="SPCMAR"/> <!--the following value is added due to CR 155--> <xs:enumeration value="WERMCO"/> <!--obsolete values due to CR 128 but still valid for backwards compatibility --> <xs:enumeration value="INFSER"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:reporting_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0						
Diagram	<p>Built-in primitive type. The string datatype represents character strings in XML.</p>						
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>maxLength</td> <td>3</td> </tr> <tr> <td>enumeration</td> <td>INF</td> </tr> <tr> <td>enumeration</td> <td>ADD</td> </tr> </table>	maxLength	3	enumeration	INF	enumeration	ADD
maxLength	3						
enumeration	INF						
enumeration	ADD						

	enumeration	REG
Used by	Element	nts:communication_type/nts:reporting_code
Source	<pre><xs:simpleType name="reporting_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="3" /> <xs:enumeration value="INF" /> <xs:enumeration value="ADD" /> <xs:enumeration value="REG" /> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:communication_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0																							
Diagram	<p>The diagram shows a UML class named 'communication_code_enum' with a multiplicity of 0..1. It has a directed association labeled with a circle containing a minus sign (-) pointing to another box labeled 'xs:string'. A callout box points to the 'xs:string' box with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>																							
Type	restriction of xs:string																							
Facets	<table border="1"> <tr><td>maxLength</td><td>3</td></tr> <tr><td>enumeration</td><td>TE</td></tr> <tr><td>enumeration</td><td>AP</td></tr> <tr><td>enumeration</td><td>EM</td></tr> <tr><td>enumeration</td><td>AH</td></tr> <tr><td>enumeration</td><td>TT</td></tr> <tr><td>enumeration</td><td>FX</td></tr> <tr><td>enumeration</td><td>LS</td></tr> <tr><td>enumeration</td><td>FS</td></tr> <tr><td>enumeration</td><td>SO</td></tr> <tr><td>enumeration</td><td>EI</td></tr> </table>		maxLength	3	enumeration	TE	enumeration	AP	enumeration	EM	enumeration	AH	enumeration	TT	enumeration	FX	enumeration	LS	enumeration	FS	enumeration	SO	enumeration	EI
maxLength	3																							
enumeration	TE																							
enumeration	AP																							
enumeration	EM																							
enumeration	AH																							
enumeration	TT																							
enumeration	FX																							
enumeration	LS																							
enumeration	FS																							
enumeration	SO																							
enumeration	EI																							
Used by	Element	nts:communication_type/nts:communication_code																						
Source	<pre><xs:simpleType name="communication_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="3" /> <xs:enumeration value="TE" /> <xs:enumeration value="AP" /> <xs:enumeration value="EM" /> <xs:enumeration value="AH" /> <xs:enumeration value="TT" /> <xs:enumeration value="FX" /> <xs:enumeration value="LS" /> <xs:enumeration value="FS" /> <xs:enumeration value="SO" /> <xs:enumeration value="EI" /> </xs:restriction> </xs:simpleType></pre>																							

Simple Type nts:isrs_code_type

Namespace	http://www.ris.eu/nts/4.0.4.0	
Annotations	ISRS location code, unique identification of the geo object as defined in RIS Index encoding guide	
Diagram	<p>The diagram shows a UML class named 'isrs_code_type' with a multiplicity of 0..1. It has a directed association labeled with a circle containing a minus sign (-) pointing to another box labeled 'xs:string'. Two callout boxes point to the 'isrs_code_type' box: one with the text 'ISRS location code, unique identification of the geo object as defined in RIS Index encoding guide' and another with the text 'Built-in primitive type. The string datatype represents character strings in XML.'</p>	
Type	restriction of xs:string	
Facets	length	20
	pattern	[A-Z]{2}[A-Z]{3}[A-Z0-9]{5}[A-Z0-9]{5}[0-9]{5}
Used by	Element	nts:geo_object_type/nts:id

Source	<pre> <xs:simpleType name="isrs_code_type"> <xs:annotation> <xs:documentation>ISRS location code, unique identification of the geo object as defined in RIS Index encoding guide</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:length value="20"/> <xs:pattern value="[A-Z]{2}[A-Z]{3}[A-Z0-9]{5}[A-Z0-9]{5}[0-9]{5}" /> </xs:restriction> </xs:simpleType></pre>
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Simple Type nts:type_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0																																																																								
Diagram	<pre> classDiagram class type_code_enum { <<Built-in primitive type. The string datatype represents character strings in XML.>> } class xs_string type_code_enum --o xs_string </pre>																																																																								
Type	restriction of xs:string																																																																								
Facets	<table> <tbody> <tr><td>maxLength</td><td>3</td></tr> <tr><td>enumeration</td><td>RIV</td></tr> <tr><td>enumeration</td><td>CAN</td></tr> <tr><td>enumeration</td><td>LAK</td></tr> <tr><td>enumeration</td><td>FWY</td></tr> <tr><td>enumeration</td><td>LCK</td></tr> <tr><td>enumeration</td><td>BRI</td></tr> <tr><td>enumeration</td><td>RMP</td></tr> <tr><td>enumeration</td><td>BAR</td></tr> <tr><td>enumeration</td><td>BNK</td></tr> <tr><td>enumeration</td><td>GAU</td></tr> <tr><td>enumeration</td><td>BUO</td></tr> <tr><td>enumeration</td><td>BEA</td></tr> <tr><td>enumeration</td><td>ANC</td></tr> <tr><td>enumeration</td><td>BER</td></tr> <tr><td>enumeration</td><td>MOO</td></tr> <tr><td>enumeration</td><td>TER</td></tr> <tr><td>enumeration</td><td>HAR</td></tr> <tr><td>enumeration</td><td>FDO</td></tr> <tr><td>enumeration</td><td>CAB</td></tr> <tr><td>enumeration</td><td>FER</td></tr> <tr><td>enumeration</td><td>PIP</td></tr> <tr><td>enumeration</td><td>PPO</td></tr> <tr><td>enumeration</td><td>HFA</td></tr> <tr><td>enumeration</td><td>HMO</td></tr> <tr><td>enumeration</td><td>SHY</td></tr> <tr><td>enumeration</td><td>REF</td></tr> <tr><td>enumeration</td><td>MAR</td></tr> <tr><td>enumeration</td><td>LIG</td></tr> <tr><td>enumeration</td><td>SIG</td></tr> <tr><td>enumeration</td><td>TUR</td></tr> <tr><td>enumeration</td><td>CBR</td></tr> <tr><td>enumeration</td><td>TUN</td></tr> <tr><td>enumeration</td><td>BCO</td></tr> <tr><td>enumeration</td><td>REP</td></tr> <tr><td>enumeration</td><td>FLO</td></tr> </tbody> </table>	maxLength	3	enumeration	RIV	enumeration	CAN	enumeration	LAK	enumeration	FWY	enumeration	LCK	enumeration	BRI	enumeration	RMP	enumeration	BAR	enumeration	BNK	enumeration	GAU	enumeration	BUO	enumeration	BEA	enumeration	ANC	enumeration	BER	enumeration	MOO	enumeration	TER	enumeration	HAR	enumeration	FDO	enumeration	CAB	enumeration	FER	enumeration	PIP	enumeration	PPO	enumeration	HFA	enumeration	HMO	enumeration	SHY	enumeration	REF	enumeration	MAR	enumeration	LIG	enumeration	SIG	enumeration	TUR	enumeration	CBR	enumeration	TUN	enumeration	BCO	enumeration	REP	enumeration	FLO
maxLength	3																																																																								
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enumeration	TUN																																																																								
enumeration	BCO																																																																								
enumeration	REP																																																																								
enumeration	FLO																																																																								

	enumeration	SLI
	enumeration	DUK
	enumeration	VTC
	enumeration	RES
	enumeration	LKB
	enumeration	BRO
	enumeration	BNS
Used by	Element	nts:geo_object_type/nts:type_code
Source	<pre> <xs:simpleType name="type_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="RIV"/> <xs:enumeration value="CAN"/> <xs:enumeration value="LAK"/> <xs:enumeration value="FWY"/> <xs:enumeration value="LCK"/> <xs:enumeration value="BRI"/> <xs:enumeration value="RMP"/> <xs:enumeration value="BAR"/> <xs:enumeration value="BNK"/> <xs:enumeration value="GAU"/> <xs:enumeration value="BUO"/> <xs:enumeration value="BEA"/> <xs:enumeration value="ANC"/> <xs:enumeration value="BER"/> <xs:enumeration value="MOO"/> <xs:enumeration value="TER"/> <xs:enumeration value="HAR"/> <xs:enumeration value="FDO"/> <xs:enumeration value="CAB"/> <xs:enumeration value="FER"/> <xs:enumeration value="PIP"/> <xs:enumeration value="PPO"/> <xs:enumeration value="HFA"/> <xs:enumeration value="HMO"/> <xs:enumeration value="SHY"/> <xs:enumeration value="REF"/> <xs:enumeration value="MAR"/> <xs:enumeration value="LIG"/> <xs:enumeration value="SIG"/> <xs:enumeration value="TUR"/> <xs:enumeration value="CBR"/> <xs:enumeration value="TUN"/> <xs:enumeration value="BCO"/> <xs:enumeration value="REP"/> <xs:enumeration value="FLO"/> <xs:enumeration value="SLI"/> <xs:enumeration value="DUK"/> <xs:enumeration value="VTC"/> <xs:enumeration value="RES"/> <xs:enumeration value="LKB"/> <xs:enumeration value="BRO"/> <!-- the following value is added due to CR 157--> <xs:enumeration value="BNS"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:position_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0										
Diagram											
Type	restriction of xs:string										
Facets	<table border="1"> <tbody> <tr> <td>maxLength</td><td>2</td></tr> <tr> <td>enumeration</td><td>AL</td></tr> <tr> <td>enumeration</td><td>LE</td></tr> <tr> <td>enumeration</td><td>MI</td></tr> <tr> <td>enumeration</td><td>RI</td></tr> </tbody> </table>	maxLength	2	enumeration	AL	enumeration	LE	enumeration	MI	enumeration	RI
maxLength	2										
enumeration	AL										
enumeration	LE										
enumeration	MI										
enumeration	RI										

	enumeration	LB
	enumeration	RB
	enumeration	N
	enumeration	NE
	enumeration	E
	enumeration	SE
	enumeration	S
	enumeration	SW
	enumeration	W
	enumeration	NW
	enumeration	BI
	enumeration	SM
	enumeration	OL
	enumeration	EW
	enumeration	MP
	enumeration	FP
	enumeration	VA
	enumeration	RY
	enumeration	GY
Used by	Elements	nts:geo_object_type/nts:position_code, nts:limitation_type/nts:position_code
Source	<pre> <xs:simpleType name="position_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="2"/> <xs:enumeration value="AL"/> <xs:enumeration value="LE"/> <xs:enumeration value="MI"/> <xs:enumeration value="RI"/> <xs:enumeration value="LB"/> <xs:enumeration value="RB"/> <xs:enumeration value="N"/> <xs:enumeration value="NE"/> <xs:enumeration value="E"/> <xs:enumeration value="SE"/> <xs:enumeration value="S"/> <xs:enumeration value="SW"/> <xs:enumeration value="W"/> <xs:enumeration value="NW"/> <xs:enumeration value="BI"/> <xs:enumeration value="SM"/> <xs:enumeration value="OL"/> <xs:enumeration value="EW"/> <xs:enumeration value="MP"/> <xs:enumeration value="FP"/> <xs:enumeration value="VA"/> <xs:enumeration value="RY"/> <xs:enumeration value="GY"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:interval_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0											
Diagram												
Type	restriction of xs:string											
Facets	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">maxLength</td> <td style="padding: 2px;">3</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">CON</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">DAY</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">WRK</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">WKN</td> </tr> </table>		maxLength	3	enumeration	CON	enumeration	DAY	enumeration	WRK	enumeration	WKN
maxLength	3											
enumeration	CON											
enumeration	DAY											
enumeration	WRK											
enumeration	WKN											

	enumeration	SUN
	enumeration	MON
	enumeration	TUE
	enumeration	WED
	enumeration	THU
	enumeration	FRI
	enumeration	SAT
	enumeration	DTI
	enumeration	NTI
	enumeration	RVI
	enumeration	EXC
	enumeration	WRD
Used by	Element	nts:limitation_period_type/nts:interval_code
Source	<pre> <xs:simpleType name="interval_code_enum"> <xs:restriction bases="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="CON"/> <xs:enumeration value="DAY"/> <xs:enumeration value="WRK"/> <xs:enumeration value="WKN"/> <xs:enumeration value="SUN"/> <xs:enumeration value="MON"/> <xs:enumeration value="TUE"/> <xs:enumeration value="WED"/> <xs:enumeration value="THU"/> <xs:enumeration value="FRI"/> <xs:enumeration value="SAT"/> <xs:enumeration value="DTI"/> <xs:enumeration value="NTI"/> <xs:enumeration value="RVI"/> <xs:enumeration value="EXC"/> <xs:enumeration value="WRD"/> </xs:restriction> </xs:simpleType> </pre>	

Simple Type nts:limitation_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0																																	
Diagram																																		
Type	restriction of xs:string																																	
Facets	<table border="1"> <tr> <td>maxLength</td> <td>6</td> </tr> <tr> <td>enumeration</td> <td>OBSTRU</td> </tr> <tr> <td>enumeration</td> <td>PAROBS</td> </tr> <tr> <td>enumeration</td> <td>DELAY</td> </tr> <tr> <td>enumeration</td> <td>VESLEN</td> </tr> <tr> <td>enumeration</td> <td>VESHEI</td> </tr> <tr> <td>enumeration</td> <td>VESBRE</td> </tr> <tr> <td>enumeration</td> <td>VESDRA</td> </tr> <tr> <td>enumeration</td> <td>AVALEN</td> </tr> <tr> <td>enumeration</td> <td>CLEHEI</td> </tr> <tr> <td>enumeration</td> <td>CLEWID</td> </tr> <tr> <td>enumeration</td> <td>AVADEP</td> </tr> <tr> <td>enumeration</td> <td>NOMOOR</td> </tr> <tr> <td>enumeration</td> <td>SERVIC</td> </tr> <tr> <td>enumeration</td> <td>NOSERV</td> </tr> <tr> <td>enumeration</td> <td>SPEED</td> </tr> </table>		maxLength	6	enumeration	OBSTRU	enumeration	PAROBS	enumeration	DELAY	enumeration	VESLEN	enumeration	VESHEI	enumeration	VESBRE	enumeration	VESDRA	enumeration	AVALEN	enumeration	CLEHEI	enumeration	CLEWID	enumeration	AVADEP	enumeration	NOMOOR	enumeration	SERVIC	enumeration	NOSERV	enumeration	SPEED
maxLength	6																																	
enumeration	OBSTRU																																	
enumeration	PAROBS																																	
enumeration	DELAY																																	
enumeration	VESLEN																																	
enumeration	VESHEI																																	
enumeration	VESBRE																																	
enumeration	VESDRA																																	
enumeration	AVALEN																																	
enumeration	CLEHEI																																	
enumeration	CLEWID																																	
enumeration	AVADEP																																	
enumeration	NOMOOR																																	
enumeration	SERVIC																																	
enumeration	NOSERV																																	
enumeration	SPEED																																	

	enumeration	WAVWAS
	enumeration	PASSIN
	enumeration	ANCHOR
	enumeration	OVRTAK
	enumeration	MINPWR
	enumeration	ALTER
	enumeration	CAUTIO
	enumeration	NOLIM
	enumeration	TURNIN
	enumeration	NOSHORE
	enumeration	CONBRE
	enumeration	CONLEN
	enumeration	LEADEP
	enumeration	NOBERT
Used by	Element	nts:limitation_type/nts:limitation_code
Source	<pre> <xs:simpleType name="limitation_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="6"/> <xs:enumeration value="OBSTRU"/> <xs:enumeration value="PAROBS"/> <xs:enumeration value="DELAY"/> <xs:enumeration value="VESLEN"/> <xs:enumeration value="VESHEI"/> <xs:enumeration value="VESBRE"/> <xs:enumeration value="VESDRA"/> <xs:enumeration value="AVALEN"/> <xs:enumeration value="CLEHET"/> <xs:enumeration value="CLEWID"/> <xs:enumeration value="AVADEP"/> <xs:enumeration value="NOMOOR"/> <xs:enumeration value="SERVIC"/> <xs:enumeration value="NOSERV"/> <xs:enumeration value="SPEED"/> <xs:enumeration value="WAVWAS"/> <xs:enumeration value="PASSIN"/> <xs:enumeration value="ANCHOR"/> <xs:enumeration value="OVRTAK"/> <xs:enumeration value="MINPWR"/> <xs:enumeration value="ALTER"/> <xs:enumeration value="CAUTIO"/> <xs:enumeration value="NOLIM"/> <xs:enumeration value="TURNIN"/> <xs:enumeration value="NOSHORE"/> <xs:enumeration value="CONBRE"/> <xs:enumeration value="CONLEN"/> <!-- the following value is added due to CR 128 --> <xs:enumeration value="LEADEP"/> <!-- the following value is added due to CR 148 --> <xs:enumeration value="NOBERT"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:unit_enum

Namespace	http://www.ris.eu/nts/4.0.4.0										
Diagram											
Type	restriction of xs:string										
Facets	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">maxLength</td> <td style="padding: 2px;">4</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">cm</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">m^3/s</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">h</td> </tr> <tr> <td style="padding: 2px;">enumeration</td> <td style="padding: 2px;">km/h</td> </tr> </table>	maxLength	4	enumeration	cm	enumeration	m^3/s	enumeration	h	enumeration	km/h
maxLength	4										
enumeration	cm										
enumeration	m^3/s										
enumeration	h										
enumeration	km/h										

	enumeration	kW
	enumeration	m/s
	enumeration	mm/h
	enumeration	°C
Used by	Elements	nts:limitation_type/nts:unit, nts:measure_type/nts:unit, nts:weather_item_type/nts:unit
Source	<pre><xs:simpleType name="unit_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="4"/> <xs:enumeration value="cm"/> <xs:enumeration value="m³/s"/> <xs:enumeration value="h"/> <xs:enumeration value="km/h"/> <xs:enumeration value="kW"/> <xs:enumeration value="m/s"/> <xs:enumeration value="mm/h"/> <xs:enumeration value="°C"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:reference_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0																																											
Diagram																																												
Type	restriction of xs:string																																											
Facets	<table border="1"> <tr> <td>maxLength</td> <td>4</td> </tr> <tr> <td>enumeration</td> <td>NAP</td> </tr> <tr> <td>enumeration</td> <td>KP</td> </tr> <tr> <td>enumeration</td> <td>FZP</td> </tr> <tr> <td>enumeration</td> <td>ADR</td> </tr> <tr> <td>enumeration</td> <td>TAW</td> </tr> <tr> <td>enumeration</td> <td>PUL</td> </tr> <tr> <td>enumeration</td> <td>NGM</td> </tr> <tr> <td>enumeration</td> <td>ETRS</td> </tr> <tr> <td>enumeration</td> <td>POT</td> </tr> <tr> <td>enumeration</td> <td>LDC</td> </tr> <tr> <td>enumeration</td> <td>HDC</td> </tr> <tr> <td>enumeration</td> <td>ZPG</td> </tr> <tr> <td>enumeration</td> <td>GLW</td> </tr> <tr> <td>enumeration</td> <td>HSW</td> </tr> <tr> <td>enumeration</td> <td>LNW</td> </tr> <tr> <td>enumeration</td> <td>HNW</td> </tr> <tr> <td>enumeration</td> <td>IGN</td> </tr> <tr> <td>enumeration</td> <td>WGS</td> </tr> <tr> <td>enumeration</td> <td>RN</td> </tr> <tr> <td>enumeration</td> <td>HBO</td> </tr> </table>		maxLength	4	enumeration	NAP	enumeration	KP	enumeration	FZP	enumeration	ADR	enumeration	TAW	enumeration	PUL	enumeration	NGM	enumeration	ETRS	enumeration	POT	enumeration	LDC	enumeration	HDC	enumeration	ZPG	enumeration	GLW	enumeration	HSW	enumeration	LNW	enumeration	HNW	enumeration	IGN	enumeration	WGS	enumeration	RN	enumeration	HBO
maxLength	4																																											
enumeration	NAP																																											
enumeration	KP																																											
enumeration	FZP																																											
enumeration	ADR																																											
enumeration	TAW																																											
enumeration	PUL																																											
enumeration	NGM																																											
enumeration	ETRS																																											
enumeration	POT																																											
enumeration	LDC																																											
enumeration	HDC																																											
enumeration	ZPG																																											
enumeration	GLW																																											
enumeration	HSW																																											
enumeration	LNW																																											
enumeration	HNW																																											
enumeration	IGN																																											
enumeration	WGS																																											
enumeration	RN																																											
enumeration	HBO																																											
Used by	Elements	nts:limitation_type/nts:reference_code, nts:wrn_type/nts:reference_code																																										
Source	<pre><xs:simpleType name="reference_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="4"/> <xs:enumeration value="NAP"/> <xs:enumeration value="KP"/> <xs:enumeration value="FZP"/> <xs:enumeration value="ADR"/> <xs:enumeration value="TAW"/> <xs:enumeration value="PUL"/> <xs:enumeration value="NGM"/></pre>																																											

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<xss:enumeration value="ETRS" />
<xss:enumeration value="POT" />
<xss:enumeration value="LDC" />
<xss:enumeration value="HDC" />
<xss:enumeration value="ZPG" />
<xss:enumeration value="GLW" />
<xss:enumeration value="HSW" />
<xss:enumeration value="LNW" />
<xss:enumeration value="HNW" />
<xss:enumeration value="IGN" />
<xss:enumeration value="WGS" />
<xss:enumeration value="RN" />
<xss:enumeration value="HBO" />
</xss:restriction>
</xss:simpleType>

```

Simple Type nts:indication_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0									
Diagram										
Type	restriction of xs:string									
Facets	<table> <tr> <td>maxLength</td><td>3</td></tr> <tr> <td>enumeration</td><td>MAX</td></tr> <tr> <td>enumeration</td><td>MIN</td></tr> <tr> <td>enumeration</td><td>RED</td></tr> </table>		maxLength	3	enumeration	MAX	enumeration	MIN	enumeration	RED
maxLength	3									
enumeration	MAX									
enumeration	MIN									
enumeration	RED									
Used by	Element nts:limitation_type/nts:indication_code									
Source	<pre> <xss:simpleType name="indication_code_enum"> <xss:restriction base="xs:string"> <xss:maxLength value="3" /> <xss:enumeration value="MAX" /> <xss:enumeration value="MIN" /> <xss:enumeration value="RED" /> </xss:restriction> </xss:simpleType> </pre>									

Simple Type nts:measure_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0																	
Diagram																		
Type	restriction of xs:string																	
Facets	<table> <tr> <td>maxLength</td><td>3</td></tr> <tr> <td>enumeration</td><td>DIS</td></tr> <tr> <td>enumeration</td><td>REG</td></tr> <tr> <td>enumeration</td><td>BAR</td></tr> <tr> <td>enumeration</td><td>VER</td></tr> <tr> <td>enumeration</td><td>LSD</td></tr> <tr> <td>enumeration</td><td>WAL</td></tr> <tr> <td>enumeration</td><td>NOM</td></tr> </table>		maxLength	3	enumeration	DIS	enumeration	REG	enumeration	BAR	enumeration	VER	enumeration	LSD	enumeration	WAL	enumeration	NOM
maxLength	3																	
enumeration	DIS																	
enumeration	REG																	
enumeration	BAR																	
enumeration	VER																	
enumeration	LSD																	
enumeration	WAL																	
enumeration	NOM																	
Used by	Element nts:measure_type/nts:measure_code																	
Source	<pre> <xss:simpleType name="measure_code_enum"> <xss:restriction base="xs:string"> <xss:maxLength value="3" /> <xss:enumeration value="DIS" /> <xss:enumeration value="REG" /> <xss:enumeration value="BAR" /> <xss:enumeration value="VER" /> <xss:enumeration value="LSD" /> <xss:enumeration value="WAL" /> </xss:restriction> </xss:simpleType> </pre>																	

```
<!-- obsolete values due to CR 151 but still valid for backwards compatibility -->
<x:enumeration value="NOM"/>
</x:restriction>
</x:simpleType>
```

Simple Type nts:barrage_code_enum

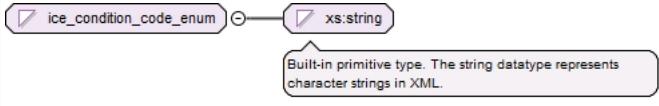
Namespace	http://www.ris.eu/nts/4.0.4.0													
Diagram														
Type	restriction of xs:string													
Facets	<table border="1"> <tr><td>maxLength</td><td>3</td></tr> <tr><td>enumeration</td><td>CLD</td></tr> <tr><td>enumeration</td><td>OPG</td></tr> <tr><td>enumeration</td><td>CLG</td></tr> <tr><td>enumeration</td><td>OPD</td></tr> <tr><td>enumeration</td><td>OPN</td></tr> </table>		maxLength	3	enumeration	CLD	enumeration	OPG	enumeration	CLG	enumeration	OPD	enumeration	OPN
maxLength	3													
enumeration	CLD													
enumeration	OPG													
enumeration	CLG													
enumeration	OPD													
enumeration	OPN													
Used by	Element nts:measure_type/nts:barrage_code													
Source	<pre><x:complexType name="barrage_code_enum"> <x:restriction base="xs:string"> <x:maxLength value="3"/> <x:enumeration value="CLD"/> <x:enumeration value="OPG"/> <x:enumeration value="CLG"/> <x:enumeration value="OPD"/> <x:enumeration value="OPN"/> </x:restriction> </x:complexType></pre>													

Simple Type nts:regime_code_enum

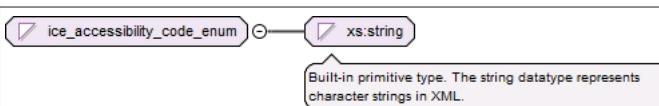
Namespace	http://www.ris.eu/nts/4.0.4.0															
Diagram																
Type	restriction of xs:string															
Facets	<table border="1"> <tr><td>maxLength</td><td>2</td></tr> <tr><td>enumeration</td><td>NO</td></tr> <tr><td>enumeration</td><td>HI</td></tr> <tr><td>enumeration</td><td>II</td></tr> <tr><td>enumeration</td><td>I</td></tr> <tr><td>enumeration</td><td>NN</td></tr> <tr><td>enumeration</td><td>LO</td></tr> </table>		maxLength	2	enumeration	NO	enumeration	HI	enumeration	II	enumeration	I	enumeration	NN	enumeration	LO
maxLength	2															
enumeration	NO															
enumeration	HI															
enumeration	II															
enumeration	I															
enumeration	NN															
enumeration	LO															
Used by	Element nts:measure_type/nts:regime_code															
Source	<pre><x:complexType name="regime_code_enum"> <x:restriction base="xs:string"> <x:maxLength value="2"/> <x:enumeration value="NO"/> <x:enumeration value="HI"/> <x:enumeration value="II"/> <x:enumeration value="I"/> <x:enumeration value="NN"/> <x:enumeration value="LO"/> </x:restriction> </x:complexType></pre>															

Simple Type nts:ice_condition_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0	
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Diagram																																					
Type	restriction of xs:string																																				
Facets	<table border="1"> <tr><td>maxLength</td><td>1</td></tr> <tr><td>enumeration</td><td>A</td></tr> <tr><td>enumeration</td><td>B</td></tr> <tr><td>enumeration</td><td>C</td></tr> <tr><td>enumeration</td><td>D</td></tr> <tr><td>enumeration</td><td>E</td></tr> <tr><td>enumeration</td><td>F</td></tr> <tr><td>enumeration</td><td>G</td></tr> <tr><td>enumeration</td><td>H</td></tr> <tr><td>enumeration</td><td>K</td></tr> <tr><td>enumeration</td><td>L</td></tr> <tr><td>enumeration</td><td>M</td></tr> <tr><td>enumeration</td><td>P</td></tr> <tr><td>enumeration</td><td>R</td></tr> <tr><td>enumeration</td><td>S</td></tr> <tr><td>enumeration</td><td>U</td></tr> <tr><td>enumeration</td><td>O</td></tr> <tr><td>enumeration</td><td>V</td></tr> </table>	maxLength	1	enumeration	A	enumeration	B	enumeration	C	enumeration	D	enumeration	E	enumeration	F	enumeration	G	enumeration	H	enumeration	K	enumeration	L	enumeration	M	enumeration	P	enumeration	R	enumeration	S	enumeration	U	enumeration	O	enumeration	V
maxLength	1																																				
enumeration	A																																				
enumeration	B																																				
enumeration	C																																				
enumeration	D																																				
enumeration	E																																				
enumeration	F																																				
enumeration	G																																				
enumeration	H																																				
enumeration	K																																				
enumeration	L																																				
enumeration	M																																				
enumeration	P																																				
enumeration	R																																				
enumeration	S																																				
enumeration	U																																				
enumeration	O																																				
enumeration	V																																				
Used by	Element nts:ice_condition_type/nts:ice_condition_code																																				
Source	<pre><xs:simpleType name="ice_condition_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="1"/> <xs:enumeration value="A"/> <xs:enumeration value="B"/> <xs:enumeration value="C"/> <xs:enumeration value="D"/> <xs:enumeration value="E"/> <xs:enumeration value="F"/> <xs:enumeration value="G"/> <xs:enumeration value="H"/> <xs:enumeration value="K"/> <xs:enumeration value="L"/> <xs:enumeration value="M"/> <xs:enumeration value="P"/> <xs:enumeration value="R"/> <xs:enumeration value="S"/> <xs:enumeration value="U"/> <xs:enumeration value="O"/> <xs:enumeration value="V"/> </xs:restriction> </xs:simpleType></pre>																																				

Simple Type nts:ice_accessibility_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0										
Diagram											
Type	restriction of xs:string										
Facets	<table border="1"> <tr><td>maxLength</td><td>1</td></tr> <tr><td>enumeration</td><td>A</td></tr> <tr><td>enumeration</td><td>B</td></tr> <tr><td>enumeration</td><td>F</td></tr> <tr><td>enumeration</td><td>L</td></tr> </table>	maxLength	1	enumeration	A	enumeration	B	enumeration	F	enumeration	L
maxLength	1										
enumeration	A										
enumeration	B										
enumeration	F										
enumeration	L										

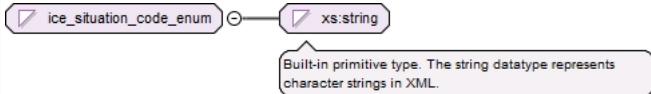
	enumeration	C
	enumeration	D
	enumeration	E
	enumeration	G
	enumeration	H
	enumeration	M
	enumeration	K
	enumeration	T
	enumeration	P
	enumeration	V
	enumeration	X
Used by	Element	nts:ice_condition_type/nts:ice_accessibility_code
Source	<pre><xs:simpleType name="ice_accessibility_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="1"/> <xs:enumeration value="A"/> <xs:enumeration value="B"/> <xs:enumeration value="F"/> <xs:enumeration value="I"/> <xs:enumeration value="C"/> <xs:enumeration value="D"/> <xs:enumeration value="E"/> <xs:enumeration value="G"/> <xs:enumeration value="H"/> <xs:enumeration value="M"/> <xs:enumeration value="K"/> <xs:enumeration value="T"/> <xs:enumeration value="P"/> <xs:enumeration value="V"/> <xs:enumeration value="X"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:ice_classification_code_enum

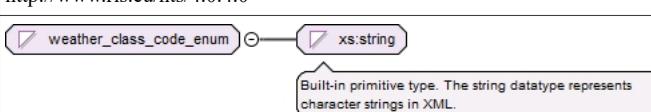
Namespace	http://www.ris.eu/nts/4.0.4.0													
Diagram														
Type	restriction of xs:string													
Facets	<table border="1"> <tr> <td>maxLength</td> <td>1</td> </tr> <tr> <td>enumeration</td> <td>A</td> </tr> <tr> <td>enumeration</td> <td>B</td> </tr> <tr> <td>enumeration</td> <td>C</td> </tr> <tr> <td>enumeration</td> <td>D</td> </tr> <tr> <td>enumeration</td> <td>E</td> </tr> </table>		maxLength	1	enumeration	A	enumeration	B	enumeration	C	enumeration	D	enumeration	E
maxLength	1													
enumeration	A													
enumeration	B													
enumeration	C													
enumeration	D													
enumeration	E													
Used by	Element nts:ice_condition_type/nts:ice_classification_code													
Source	<pre><xs:simpleType name="ice_classification_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="1"/> <xs:enumeration value="A"/> <xs:enumeration value="B"/> <xs:enumeration value="C"/> <xs:enumeration value="D"/> <xs:enumeration value="E"/> </xs:restriction> </xs:simpleType></pre>													

Simple Type nts:ice_situation_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0
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Diagram	
Type	restriction of xs:string
Facets	maxLength 3
	enumeration NOL
	enumeration LIM
	enumeration NON
Used by	Element nts:ice_condition_type/nts:ice_situation_code
Source	<pre><xs:simpleType name="ice_situation_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="NOL"/> <xs:enumeration value="LIM"/> <xs:enumeration value="NON"/> </xs:restriction> </xs:simpleType></pre>

Simple Type nts:weather_class_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0
Diagram	
Type	restriction of xs:string
Facets	maxLength 6
	enumeration CLR
	enumeration CLDY
	enumeration OCST
	enumeration DZZL
	enumeration RAIN
	enumeration LRAIN
	enumeration ORAIN
	enumeration HRAIN
	enumeration SLEET
	enumeration SNOW
	enumeration SNFALL
	enumeration HAIL
	enumeration SHWRS
	enumeration THSTRM
	enumeration HAZY
	enumeration FOG
	enumeration FOGPAT
	enumeration GALE
	enumeration STRM
	enumeration HURRC
	enumeration FZRA
Used by	Element nts:weather_report_type/nts:weather_class_code
Source	<pre><xs:simpleType name="weather_class_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="6"/> <xs:enumeration value="CLR"/> <xs:enumeration value="CLDY"/> <xs:enumeration value="OCST"/></pre>

```

<xss:enumeration value="DZZL" />
<xss:enumeration value="RAIN" />
<xss:enumeration value="LRAIN" />
<xss:enumeration value="ORAIN" />
<xss:enumeration value="HRAIN" />
<xss:enumeration value="SLEET" />
<xss:enumeration value="SNOW" />
<xss:enumeration value="SNFALL" />
<xss:enumeration value="HAIL" />
<xss:enumeration value="SHWRS" />
<xss:enumeration value="THSTRM" />
<xss:enumeration value="HAZY" />
<xss:enumeration value="FOG" />
<xss:enumeration value="FOGPAT" />
<xss:enumeration value="GALE" />
<xss:enumeration value="STRM" />
<xss:enumeration value="HURRC" />
<xss:enumeration value="FZRA" />
</xss:restriction>
</xss:simpleType>

```

Simple Type nts:weather_item_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0																	
Diagram																		
Type	restriction of xs:string																	
Facets	<table border="1"> <tr><td>maxLength</td><td>2</td></tr> <tr><td>enumeration</td><td>WI</td></tr> <tr><td>enumeration</td><td>WA</td></tr> <tr><td>enumeration</td><td>FG</td></tr> <tr><td>enumeration</td><td>RN</td></tr> <tr><td>enumeration</td><td>SN</td></tr> <tr><td>enumeration</td><td>AT</td></tr> <tr><td>enumeration</td><td>WT</td></tr> </table>		maxLength	2	enumeration	WI	enumeration	WA	enumeration	FG	enumeration	RN	enumeration	SN	enumeration	AT	enumeration	WT
maxLength	2																	
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enumeration	WT																	
Used by	Element nts:weather_item_type/nts:weather_item_code																	
Source	<pre> <xss:simpleType name="weather_item_code_enum"> <xss:restriction bases="xs:string"> <xss:maxLength value="2" /> <xss:enumeration value="WI" /> <xss:enumeration value="WA" /> <xss:enumeration value="FG" /> <xss:enumeration value="RN" /> <xss:enumeration value="SN" /> <xss:enumeration value="AT" /> <xss:enumeration value="WT" /> </xss:restriction> </xss:simpleType> </pre>																	

Simple Type nts:weather_category_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0													
Diagram														
Type	restriction of xs:string													
Facets	<table border="1"> <tr><td>maxLength</td><td>2</td></tr> <tr><td>enumeration</td><td>0</td></tr> <tr><td>enumeration</td><td>1</td></tr> <tr><td>enumeration</td><td>2</td></tr> <tr><td>enumeration</td><td>3</td></tr> <tr><td>enumeration</td><td>4</td></tr> </table>		maxLength	2	enumeration	0	enumeration	1	enumeration	2	enumeration	3	enumeration	4
maxLength	2													
enumeration	0													
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	enumeration	5
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	enumeration	22
Used by	Element	nts:weather_item_type/nts:weather_category_code
Source	<pre> <xs:simpleType name="weather_category_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="2"/> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> <xs:enumeration value="9"/> <xs:enumeration value="10"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="14"/> <xs:enumeration value="15"/> <xs:enumeration value="16"/> <xs:enumeration value="17"/> <xs:enumeration value="18"/> <xs:enumeration value="19"/> <xs:enumeration value="20"/> <xs:enumeration value="21"/> <xs:enumeration value="22"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type nts:weather_direction_code_enum

Namespace	http://www.ris.eu/nts/4.0.4.0												
Diagram													
Type	restriction of xs:string												
Facets	<table border="1"> <tr> <td>maxLength</td> <td>3</td> </tr> <tr> <td>enumeration</td> <td>N</td> </tr> <tr> <td>enumeration</td> <td>NE</td> </tr> <tr> <td>enumeration</td> <td>E</td> </tr> <tr> <td>enumeration</td> <td>SE</td> </tr> <tr> <td>enumeration</td> <td>S</td> </tr> </table>	maxLength	3	enumeration	N	enumeration	NE	enumeration	E	enumeration	SE	enumeration	S
maxLength	3												
enumeration	N												
enumeration	NE												
enumeration	E												
enumeration	SE												
enumeration	S												

	enumeration	SW
	enumeration	W
	enumeration	NW
	enumeration	WRB
Used by	Elements	nts:weather_item_type/nts:direction_code_max, nts:weather_item_type/nts:direction_code_min
Source	<pre><xs:simpleType name="weather_direction_code_enum"> <xs:restriction base="xs:string"> <xs:maxLength value="3"/> <xs:enumeration value="N"/> <xs:enumeration value="NE"/> <xs:enumeration value="E"/> <xs:enumeration value="SE"/> <xs:enumeration value="S"/> <xs:enumeration value="SW"/> <xs:enumeration value="W"/> <xs:enumeration value="NW"/> <xs:enumeration value="WRB"/> </xs:restriction> </xs:simpleType></pre>	