Schema documentation for asmm.xsd

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Table of Contents

Namespace: "http://www.eufar.net/ASMM" 2
Schema(s) 2
Main schema `asmm.xsd` 2
Element(s) 2
Element `asmm:MissionMetadata` 2
Element `asmm:CreationDate` 3
Element `asmm:RevisionDate` 3
Element `asmm:FlightInformation` 3
Element `asmm:FlightNumber` 4
Element `asmm:Date` 5
Element `asmm:Campaign` 5
Element `asmm:MissionScientist` 5
Element `asmm:FlightManager` 5
Element `asmm:Platform` 5
Element `asmm:Operator` 6
Element `asmm:Country` 6
Element `asmm:GeographicBoundingBox` 6
Element `asmm:westBoundLongitude` 7
Element `asmm:eastBoundLongitude` 7
Element `asmm:northBoundLatitude` 7
Element `asmm:southBoundLatitude` 7
Element `asmm:minAltitude` 8
Element `asmm:maxAltitude` 8
Element `asmm:ContactInfo` 8
Element `asmm:ContactName` 9
Element `asmm:ContactRole` 9
Element `asmm:ContactEmail` 9
Element `asmm:ScientificAims` 9
Element `asmm:SA_Code` 10
Element `asmm:SA_Other` 10
Element `asmm:GeographicalRegion` 11
Element `asmm:GR_Code` 11
Element `asmm:GR_Other` 12
Element `asmm:AtmosFeatures` 12
Element `asmm:AF_Code` 12
Element `asmm:AF_Other` 13
Element `asmm:CloudTypes` 13
Element `asmm:CT_Code` 14
Element `asmm:CT_Other` 14
Element `asmm:ParticlesSampled` 15
Element `asmm:PS_Code` 15
Element `asmm:PS_Other` 16
Element `asmm:SurfacesOverflown` 16
Element `asmm:SO_Code` 16
Element `asmm:SO_Other` 17
Element `asmm:AltitudeRanges` 17
Element `asmm:AR_Code` 17
Element `asmm:AR_Other` 18
Element `asmm:FlightTypes` 18
Element `asmm:FT_Code` 19
Element `asmm:FT_Other` 19
Element `asmm:SatelliteCoordination` 19
Element `asmm:SC_Code` 20
Element `asmm:SC_Other` 20
Element `asmm:SurfaceObs` 21
Element `asmm:GroundSite` 21
Element `asmm:ResearchVessel` 21
Element `asmm:ArmSite` 22
Element `asmm:ArmMobile` 22
Element `asmm:OtherComments` 22

Namespace: "http://www.eufar.net/ASMM"

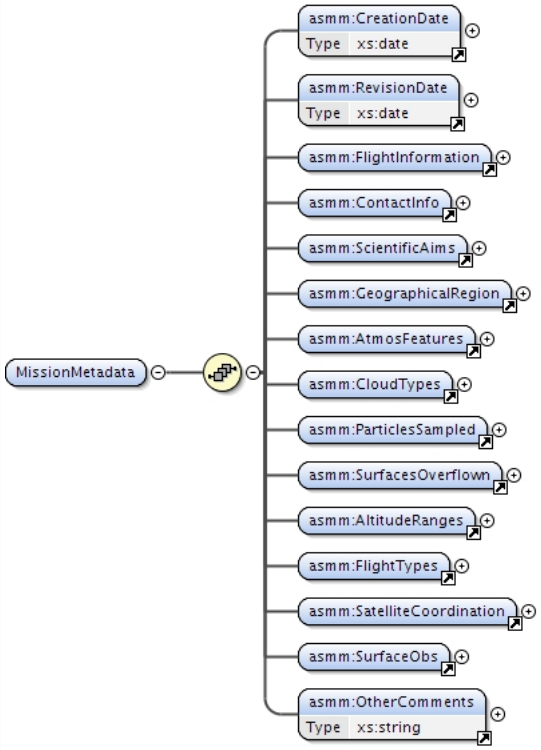
Schema(s)

Main schema `asmm.xsd`

Namespace	http://www.eufar.net/ASMM
Properties	attribute form default: `unqualified` element form default: `qualified`

Element(s)

Element `asmm:MissionMetadata`

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: `complex`
Model	asmm:CreationDate , asmm:RevisionDate , asmm:FlightInformation , asmm:ContactInfo , asmm:ScientificAims , asmm:GeographicalRegion , asmm:AtmosFeatures , asmm:CloudTypes , asmm:ParticlesSampled , asmm:SurfacesOverflown , asmm:AltitudeRanges , asmm:FlightTypes , asmm:SatelliteCoordination , asmm:SurfaceObs , asmm:OtherComments
Children	asmm:AltitudeRanges, asmm:AtmosFeatures, asmm:CloudTypes, asmm:ContactInfo, asmm:CreationDate, asmm:FlightInformation, asmm:FlightTypes, asmm:GeographicalRegion, asmm:OtherComments, asmm:ParticlesSampled, asmm:RevisionDate, asmm:SatelliteCoordination, asmm:ScientificAims, asmm:SurfaceObs, asmm:SurfacesOverflown

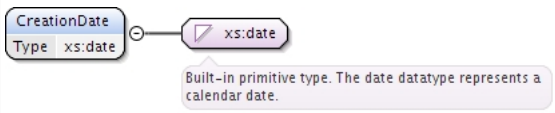
Instance	`<asmm:MissionMetadata xmlns:asmm="http://www.eufar.net/ASMM">`
	`<asmm:CreationDate>{1,1}</asmm:CreationDate>`
	`<asmm:RevisionDate>{1,1}</asmm:RevisionDate>`
	`<asmm:FlightInformation>{1,1}</asmm:FlightInformation>`
	`<asmm:ContactInfo>{1,1}</asmm:ContactInfo>`
	`<asmm:ScientificAims>{1,1}</asmm:ScientificAims>`
	`<asmm:GeographicalRegion>{1,1}</asmm:GeographicalRegion>`
	`<asmm:AtmosFeatures>{1,1}</asmm:AtmosFeatures>`
	`<asmm:CloudTypes>{1,1}</asmm:CloudTypes>`
	`<asmm:ParticlesSampled>{1,1}</asmm:ParticlesSampled>`
	`<asmm:SurfacesOverflown>{1,1}</asmm:SurfacesOverflown>`
	`<asmm:AltitudeRanges>{1,1}</asmm:AltitudeRanges>`
	`<asmm:FlightTypes>{1,1}</asmm:FlightTypes>`
	`<asmm:SatelliteCoordination>{1,1}</asmm:SatelliteCoordination>`
	`<asmm:SurfaceObs>{1,1}</asmm:SurfaceObs>`

```
  <asmm:OtherComments>{1,1}</asmm:OtherComments>
</asmm:MissionMetadata>
```

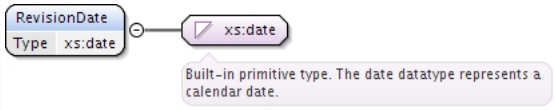
Source

```
<xs:element name="MissionMetadata">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="asmm:CreationDate"/>
      <xs:element ref="asmm:RevisionDate"/>
      <xs:element ref="asmm:FlightInformation"/>
      <xs:element ref="asmm:ContactInfo"/>
      <xs:element ref="asmm:ScientificAims"/>
      <xs:element ref="asmm:GeographicalRegion"/>
      <xs:element ref="asmm:AtmosFeatures"/>
      <xs:element ref="asmm:CloudTypes"/>
      <xs:element ref="asmm:ParticlesSampled"/>
      <xs:element ref="asmm:SurfacesOverflown"/>
      <xs:element ref="asmm:AltitudeRanges"/>
      <xs:element ref="asmm:FlightTypes"/>
      <xs:element ref="asmm:SatelliteCoordination"/>
      <xs:element ref="asmm:SurfaceObs"/>
      <xs:element ref="asmm:OtherComments"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Element asmm:CreationDate

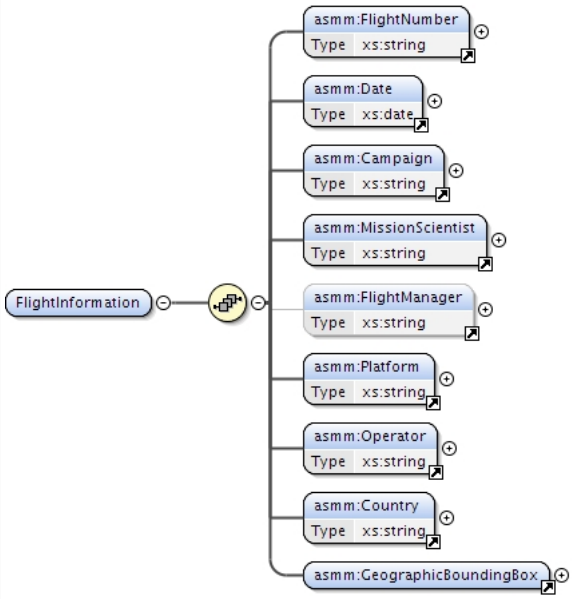
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:date
Properties	content: simple
Used by	Element asmm:MissionMetadata
Source	`<xs:element name="CreationDate" type="xs:date"/>`

Element asmm:RevisionDate

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:date
Properties	content: simple
Used by	Element asmm:MissionMetadata
Source	`<xs:element name="RevisionDate" type="xs:date"/>`

Element asmm:FlightInformation

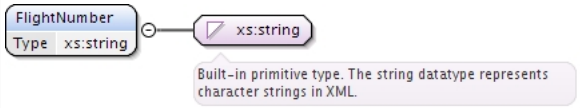
Namespace	http://www.eufar.net/ASMM

Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:FlightNumber , asmm:Date , asmm:Campaign , asmm:MissionScientist , asmm:FlightManager{0,1} , asmm:Platform , asmm:Operator , asmm:Country , asmm:GeographicBoundingBox
Children	asmm:Campaign, asmm:Country, asmm:Date, asmm:FlightManager, asmm:FlightNumber, asmm:GeographicBoundingBox, asmm:MissionScientist, asmm:Operator, asmm:Platform

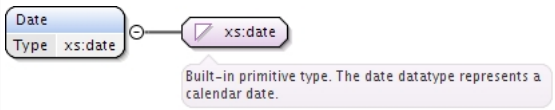
Instance	`<asmm:FlightInformation xmlns:asmm="http://www.eufar.net/ASMM">`
	`  <asmm:FlightNumber>{1,1}</asmm:FlightNumber>`
	`  <asmm:Date>{1,1}</asmm:Date>`
	`  <asmm:Campaign>{1,1}</asmm:Campaign>`
	`  <asmm:MissionScientist>{1,1}</asmm:MissionScientist>`
	`  <asmm:FlightManager>{0,1}</asmm:FlightManager>`
	`  <asmm:Platform>{1,1}</asmm:Platform>`
	`  <asmm:Operator>{1,1}</asmm:Operator>`
	`  <asmm:Country>{1,1}</asmm:Country>`
	`  <asmm:GeographicBoundingBox>{1,1}</asmm:GeographicBoundingBox>`
	`</asmm:FlightInformation>`

Source	`<xs:element name="FlightInformation">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="asmm:FlightNumber"/>`
	`  <xs:element ref="asmm:Date"/>`
	`  <xs:element ref="asmm:Campaign"/>`
	`  <xs:element ref="asmm:MissionScientist"/>`
	`  <xs:element ref="asmm:FlightManager" minOccurs="0"/>`
	`  <xs:element ref="asmm:Platform"/>`
	`  <xs:element ref="asmm:Operator"/>`
	`  <xs:element ref="asmm:Country"/>`
	`  <xs:element ref="asmm:GeographicBoundingBox"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

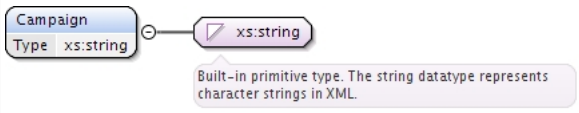
Element `asmm:FlightNumber`

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	`<xs:element name="FlightNumber" type="xs:string"/>`

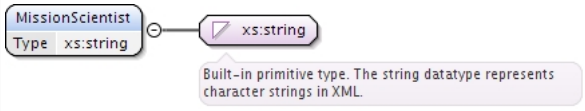
Element asmm:Date

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:date
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	`<xs:element name="Date" type="xs:date"/>`

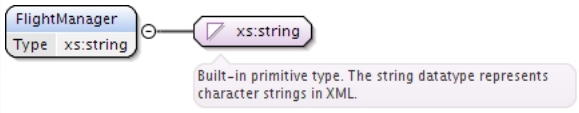
Element asmm:Campaign

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	`<xs:element name="Campaign" type="xs:string"/>`

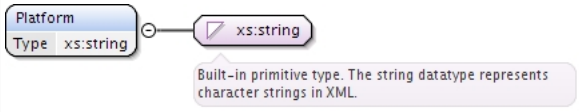
Element asmm:MissionScientist

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	`<xs:element name="MissionScientist" type="xs:string"/>`

Element asmm:FlightManager

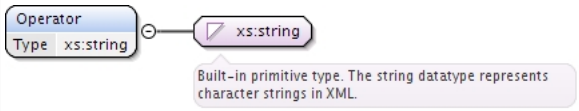
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	`<xs:element name="FlightManager" type="xs:string"/>`

Element asmm:Platform

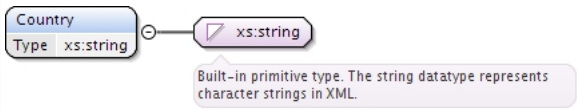
Namespace	http://www.eufar.net/ASMM
Diagram	

Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	`<xs:element name="Platform" type="xs:string"/>`

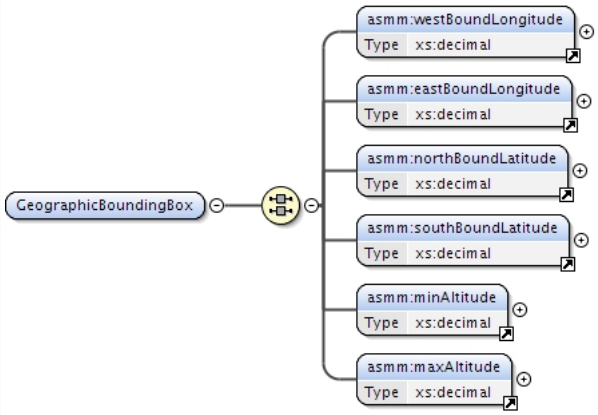
Element asmm:Operator

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	`<xs:element name="Operator" type="xs:string"/>`

Element asmm:Country

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	`<xs:element name="Country" type="xs:string"/>`

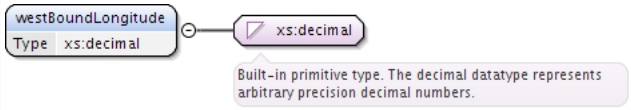
Element asmm:GeographicBoundingBox

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:FlightInformation
Model	ALL(asmm:westBoundLongitude asmm:eastBoundLongitude asmm:northBoundLatitude asmm:southBoundLatitude asmm:minAltitude asmm:maxAltitude)
Children	asmm:eastBoundLongitude, asmm:maxAltitude, asmm:minAltitude, asmm:northBoundLatitude, asmm:southBoundLatitude, asmm:westBoundLongitude

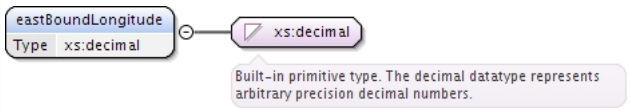
Instance	`<asmm:GeographicBoundingBox xmlns:asmm="http://www.eufar.net/ASMM">`
	`  <asmm:westBoundLongitude>{1,1}</asmm:westBoundLongitude>`
	`  <asmm:eastBoundLongitude>{1,1}</asmm:eastBoundLongitude>`
	`  <asmm:northBoundLatitude>{1,1}</asmm:northBoundLatitude>`

	<asmm:southBoundLatitude>{1,1}</asmm:southBoundLatitude> <asmm:minAltitude>{1,1}</asmm:minAltitude> <asmm:maxAltitude>{1,1}</asmm:maxAltitude> </asmm:GeographicBoundingBox>
Source	<xs:element name="GeographicBoundingBox"> <xs:complexType> <xs:all> <xs:element ref="asmm:westBoundLongitude"/> <xs:element ref="asmm:eastBoundLongitude"/> <xs:element ref="asmm:northBoundLatitude"/> <xs:element ref="asmm:southBoundLatitude"/> <xs:element ref="asmm:minAltitude"/> <xs:element ref="asmm:maxAltitude"/> </xs:all> </xs:complexType> </xs:element>

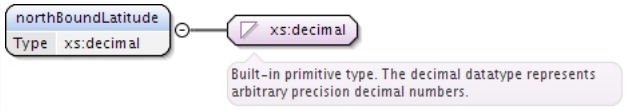
Element asmm:westBoundLongitude

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<xs:element name="westBoundLongitude" type="xs:decimal"/>

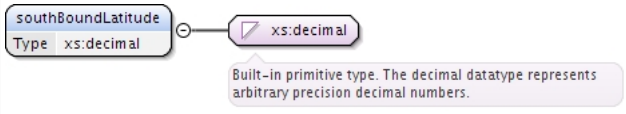
Element asmm:eastBoundLongitude

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<xs:element name="eastBoundLongitude" type="xs:decimal"/>

Element asmm:northBoundLatitude

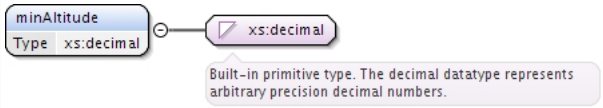
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<xs:element name="northBoundLatitude" type="xs:decimal"/>

Element asmm:southBoundLatitude

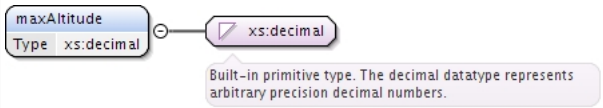
Namespace	http://www.eufar.net/ASMM
Diagram	

Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	`<xs:element name="southBoundLatitude" type="xs:decimal"/>`

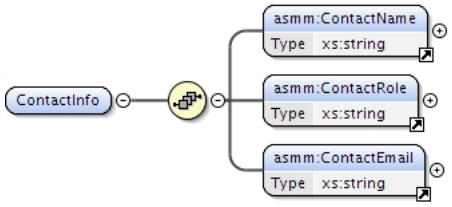
Element asmm:minAltitude

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	`<xs:element name="minAltitude" type="xs:decimal"/>`

Element asmm:maxAltitude

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	`<xs:element name="maxAltitude" type="xs:decimal"/>`

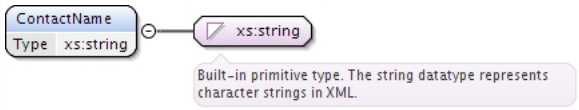
Element asmm:ContactInfo

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:ContactName , asmm:ContactRole , asmm:ContactEmail
Children	asmm:ContactEmail, asmm:ContactName, asmm:ContactRole

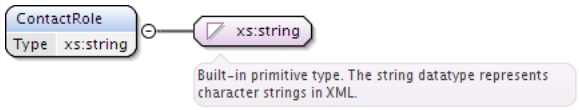
Instance	`<asmm:ContactInfo xmlns:asmm="http://www.eufar.net/ASMM">`
	`  <asmm:ContactName>{1,1}</asmm:ContactName>`
	`  <asmm:ContactRole>{1,1}</asmm:ContactRole>`
	`  <asmm:ContactEmail>{1,1}</asmm:ContactEmail>`
	`</asmm:ContactInfo>`

Source	`<xs:element name="ContactInfo">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="asmm:ContactName"/>`
	`  <xs:element ref="asmm:ContactRole"/>`
	`  <xs:element ref="asmm:ContactEmail"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

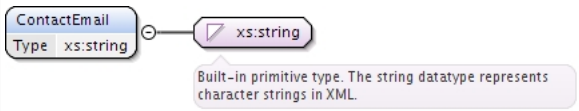
Element asmm:ContactName

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:ContactInfo
Source	`<xs:element name="ContactName" type="xs:string"/>`

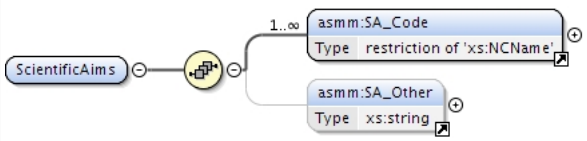
Element asmm:ContactRole

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:ContactInfo
Source	`<xs:element name="ContactRole" type="xs:string"/>`

Element asmm:ContactEmail

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:ContactInfo
Source	`<xs:element name="ContactEmail" type="xs:string"/>`

Element asmm:ScientificAims

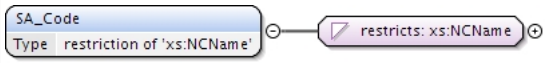
Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:SA_Code+ , asmm:SA_Other{0,1}
Children	asmm:SA_Code, asmm:SA_Other

Instance	`<asmm:ScientificAims xmlns:asmm="http://www.eufar.net/ASMM">`
	`  <asmm:SA_Code>{1,unbounded}</asmm:SA_Code>`
	`  <asmm:SA_Other>{0,1}</asmm:SA_Other>`
	`</asmm:ScientificAims>`

Source	`<xs:element name="ScientificAims">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="asmm:SA_Code" maxOccurs="unbounded"/>`
	`  <xs:element ref="asmm:SA_Other" minOccurs="0"/>`

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

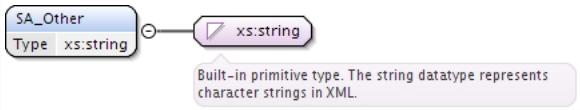
Element asmm:SA_Code

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	restriction of xs:NCName
Properties	content: `simple`
Facets	enumeration `satelliteCalVal` enumeration `aerosol` enumeration `aerosolRadiative` enumeration `aerosolMicrophysical` enumeration `anthroPollution` enumeration `mesoscaleImpacts` enumeration `cloudMicrophysics` enumeration `cloudDynamics` enumeration `cloudRaditave` enumeration `cloudConvection` enumeration `blCloud` enumeration `blDynamics` enumeration `radiation` enumeration `radiationAtmosSpectroscopy` enumeration `radiationSurfProperties` enumeration `radiationOther` enumeration `gasChem` enumeration `gasChemOxidants` enumeration `gasChemOrganics` enumeration `gasChemOther`
Used by	Element asmm:ScientificAims
Source	

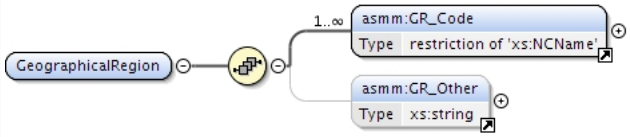
```
<xs:element name="SA_Code">
  <xs:simpleType>
    <xs:restriction base="xs:NCName">
      <xs:enumeration value="satelliteCalVal"/>
      <xs:enumeration value="aerosol"/>
      <xs:enumeration value="aerosolRadiative"/>
      <xs:enumeration value="aerosolMicrophysical"/>
      <xs:enumeration value="anthroPollution"/>
      <xs:enumeration value="mesoscaleImpacts"/>
      <xs:enumeration value="cloudMicrophysics"/>
      <xs:enumeration value="cloudDynamics"/>
      <xs:enumeration value="cloudRaditave"/>
      <xs:enumeration value="cloudConvection"/>
      <xs:enumeration value="blCloud"/>
      <xs:enumeration value="blDynamics"/>
      <xs:enumeration value="radiation"/>
      <xs:enumeration value="radiationAtmosSpectroscopy"/>
      <xs:enumeration value="radiationSurfProperties"/>
      <xs:enumeration value="radiationOther"/>
      <xs:enumeration value="gasChem"/>
      <xs:enumeration value="gasChemOxidants"/>
      <xs:enumeration value="gasChemOrganics"/>
      <xs:enumeration value="gasChemOther"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

Element asmm:SA_Other

Namespace	http://www.eufar.net/ASMM

Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:ScientificAims
Source	`<xs:element name="SA_Other" type="xs:string"/>`

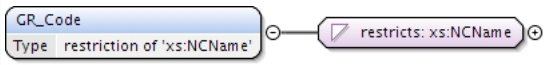
Element asmm:GeographicalRegion

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:GR_Code+ , asmm:GR_Other{0,1}
Children	asmm:GR_Code, asmm:GR_Other

Instance	`<asmm:GeographicalRegion xmlns:asmm="http://www.eufar.net/ASMM">`
	`  <asmm:GR_Code>{1,unbounded}</asmm:GR_Code>`
	`  <asmm:GR_Other>{0,1}</asmm:GR_Other>`
	`</asmm:GeographicalRegion>`

Source	`<xs:element name="GeographicalRegion">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="asmm:GR_Code" maxOccurs="unbounded"/>`
	`  <xs:element ref="asmm:GR_Other" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

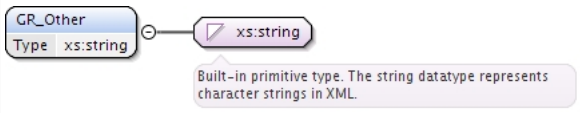
Element asmm:GR_Code

Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	restriction of xs:NCName	
Properties	content:	simple
Facets	enumeration	polar
	enumeration	midLatitudes
	enumeration	subTropical
	enumeration	tropical
	enumeration	maritime
	enumeration	continental
	enumeration	oceanicIslands
	enumeration	other
Used by	Element	asmm:GeographicalRegion

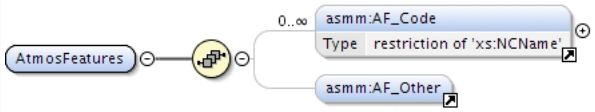
Source	`<xs:element name="GR_Code">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:NCName">`
	`  <xs:enumeration value="polar"/>`
	`  <xs:enumeration value="midLatitudes"/>`
	`  <xs:enumeration value="subTropical"/>`
	`  <xs:enumeration value="tropical"/>`
	`  <xs:enumeration value="maritime"/>`	

```
      <xs:enumeration value="continental"/>
      <xs:enumeration value="oceanicIslands"/>
      <xs:enumeration value="other"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

Element asmm:GR_Other

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:GeographicalRegion
Source	`<xs:element name="GR_Other" type="xs:string"/>`

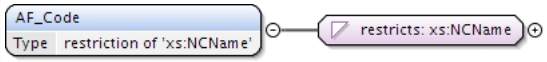
Element asmm:AtmosFeatures

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:AF_Code* , asmm:AF_Other{0,1}
Children	asmm:AF_Code, asmm:AF_Other

Instance	`<asmm:AtmosFeatures xmlns:asmm="http://www.eufar.net/ASMM">`
	`  <asmm:AF_Code>{0,unbounded}</asmm:AF_Code>`
	`  <asmm:AF_Other>{0,1}</asmm:AF_Other>`
	`</asmm:AtmosFeatures>`

Source	`<xs:element name="AtmosFeatures">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="asmm:AF_Code" maxOccurs="unbounded" minOccurs="0"/>`
	`  <xs:element ref="asmm:AF_Other" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element asmm:AF_Code

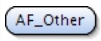
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	restriction of xs:NCName
Properties	content: simple
Facets	enumeration: stationary enumeration: stationaryAnticyclonic enumeration: stationaryCyclonic enumeration: warmFront enumeration: warmConveyorBelt enumeration: coldFront enumeration: occludedFront enumeration: warmSector

	enumeration	postColdFrontalAirMass
	enumeration	arcticColdAirOutbreak
	enumeration	orographicInfluence
	enumeration	seaBreezeFront
	enumeration	stratosphericFold
	enumeration	extendedConvergenceLine
	enumeration	easterlyWave
	enumeration	equatorialWave
	enumeration	tropicalCyclone
	enumeration	mesoscaleOrganizedConvection
Used by	Element	asmm:AtmosFeatures

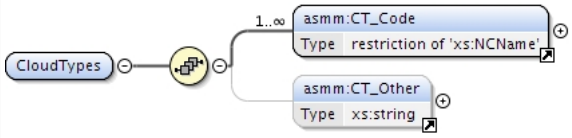
Source

```
<xs:element name="AF_Code">
  <xs:simpleType>
    <xs:restriction base="xs:NCName">
      <xs:enumeration value="stationary"/>
      <xs:enumeration value="stationaryAnticyclonic"/>
      <xs:enumeration value="stationaryCyclonic"/>
      <xs:enumeration value="warmFront"/>
      <xs:enumeration value="warmConveyorBelt"/>
      <xs:enumeration value="coldFront"/>
      <xs:enumeration value="occludedFront"/>
      <xs:enumeration value="warmSector"/>
      <xs:enumeration value="postColdFrontalAirMass"/>
      <xs:enumeration value="arcticColdAirOutbreak"/>
      <xs:enumeration value="orographicInfluence"/>
      <xs:enumeration value="seaBreezeFront"/>
      <xs:enumeration value="stratosphericFold"/>
      <xs:enumeration value="extendedConvergenceLine"/>
      <xs:enumeration value="easterlyWave"/>
      <xs:enumeration value="equatorialWave"/>
      <xs:enumeration value="tropicalCyclone"/>
      <xs:enumeration value="mesoscaleOrganizedConvection"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

Element asmm:AF_Other

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element asmm:AtmosFeatures
Source	`<xs:element name="AF_Other"/>`

Element asmm:CloudTypes

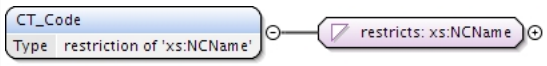
Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:CT_Code+ , asmm:CT_Other{0,1}
Children	asmm:CT_Code, asmm:CT_Other

Instance	`<asmm:CloudTypes xmlns:asmm="http://www.eufar.net/ASMM">`
	`  <asmm:CT_Code>{1,unbounded}</asmm:CT_Code>`
	`  <asmm:CT_Other>{0,1}</asmm:CT_Other>`
	`</asmm:CloudTypes>`

Source	`<xs:element name="CloudTypes">`
	`  <xs:complexType>`
	`  <xs:sequence>`

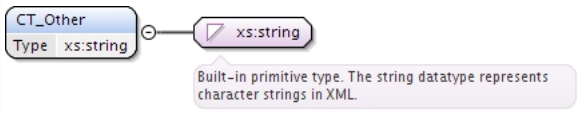
```
      <xs:element ref="asmm:CT_Code" maxOccurs="unbounded"/>
      <xs:element ref="asmm:CT_Other" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Element asmm:CT_Code

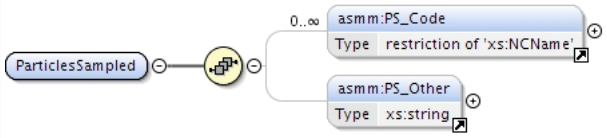
Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	restriction of xs:NCName	
Properties	content:	simple
Facets	enumeration	waterClouds
	enumeration	mixedPhaseClouds
	enumeration	iceClouds
	enumeration	cirrus
	enumeration	contrails
	enumeration	stratocumulus
	enumeration	shallowCumulus
	enumeration	cumulusCongestus
	enumeration	cumulonimbusToweringCumulus
	enumeration	altostratusAltocumulus
	enumeration	waveClouds
	enumeration	deepFrontalStratiformClouds
	enumeration	cloudFreeAboveAircraft
	enumeration	cloudFreeBelowAircraft
Used by	Element	asmm:CloudTypes

Source	`<xs:element name="CT_Code">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:NCName">`
	`  <xs:enumeration value="waterClouds"/>`
	`  <xs:enumeration value="mixedPhaseClouds"/>`
	`  <xs:enumeration value="iceClouds"/>`
	`  <xs:enumeration value="cirrus"/>`
	`  <xs:enumeration value="contrails"/>`
	`  <xs:enumeration value="stratocumulus"/>`
	`  <xs:enumeration value="shallowCumulus"/>`
	`  <xs:enumeration value="cumulusCongestus"/>`
	`  <xs:enumeration value="cumulonimbusToweringCumulus"/>`
	`  <xs:enumeration value="altostratusAltocumulus"/>`
	`  <xs:enumeration value="waveClouds"/>`
	`  <xs:enumeration value="deepFrontalStratiformClouds"/>`
	`  <xs:enumeration value="cloudFreeAboveAircraft"/>`
	`  <xs:enumeration value="cloudFreeBelowAircraft"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`	

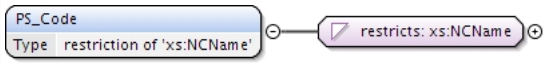
Element asmm:CT_Other

Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	xs:string	
Properties	content:	simple
Used by	Element	asmm:CloudTypes
Source	`<xs:element name="CT_Other" type="xs:string"/>`	

Element asmm:ParticlesSampled

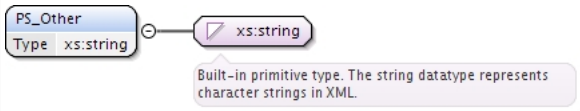
Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:PS_Code* , asmm:PS_Other{0,1}
Children	asmm:PS_Code, asmm:PS_Other
Instance	<asmm:ParticlesSampled xmlns:asmm="http://www.eufar.net/ASMM"> <asmm:PS_Code>{0,unbounded}</asmm:PS_Code> <asmm:PS_Other>{0,1}</asmm:PS_Other> </asmm:ParticlesSampled>
Source	<xs:element name="ParticlesSampled"> <xs:complexType> <xs:sequence> <xs:element ref="asmm:PS_Code" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="asmm:PS_Other" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

Element asmm:PS_Code

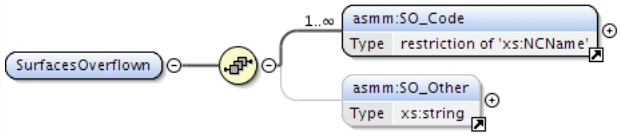
Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	restriction of xs:NCName	
Properties	content:	simple
Facets	enumeration	rain
	enumeration	drizzle
	enumeration	droplets
	enumeration	pristineIceCrystals
	enumeration	snowOrAggregates
	enumeration	graupelOrHail
	enumeration	seaSaltAerosol
	enumeration	continentalAerosol
	enumeration	urbanPlume
	enumeration	biomassBurning
	enumeration	desertOrMineralDust
	enumeration	volcanicAsh
Used by	Element	asmm:ParticlesSampled
Source	<xs:element name="PS_Code"> <xs:simpleType> <xs:restriction base="xs:NCName"> <xs:enumeration value="rain"/> <xs:enumeration value="drizzle"/> <xs:enumeration value="droplets"/> <xs:enumeration value="pristineIceCrystals"/> <xs:enumeration value="snowOrAggregates"/> <xs:enumeration value="graupelOrHail"/> <xs:enumeration value="seaSaltAerosol"/> <xs:enumeration value="continentalAerosol"/> <xs:enumeration value="urbanPlume"/> <xs:enumeration value="biomassBurning"/> <xs:enumeration value="desertOrMineralDust"/> <xs:enumeration value="volcanicAsh"/> </xs:restriction>	

```
  </xs:simpleType>
</xs:element>
```

Element asmm:PS_Other

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:ParticlesSampled
Source	`<xs:element name="PS_Other" type="xs:string"/>`

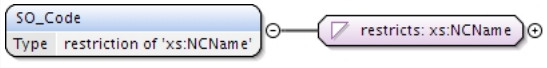
Element asmm:SurfacesOverflown

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:SO_Code+ , asmm:SO_Other{0,1}
Children	asmm:SO_Code, asmm:SO_Other

Instance	`<asmm:SurfacesOverflown xmlns:asmm="http://www.eufar.net/ASMM">`
	`  <asmm:SO_Code>{1,unbounded}</asmm:SO_Code>`
	`  <asmm:SO_Other>{0,1}</asmm:SO_Other>`
	`</asmm:SurfacesOverflown>`

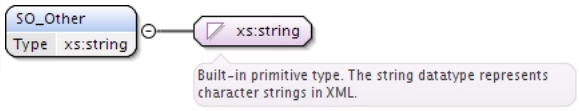
Source	`<xs:element name="SurfacesOverflown">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="asmm:SO_Code" maxOccurs="unbounded"/>`
	`  <xs:element ref="asmm:SO_Other" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element asmm:SO_Code

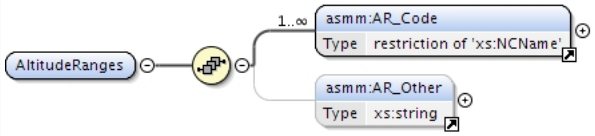
Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	restriction of xs:NCName	
Properties	content:	simple
Facets	enumeration	ocean
	enumeration	semiArid
	enumeration	seaIce
	enumeration	desert
	enumeration	snow
	enumeration	urban
	enumeration	lakeIce
	enumeration	mountainous
	enumeration	vegetation
	enumeration	hilly

	enumeration	forest
	enumeration	flat
Used by	Element	asmm:SurfacesOverflown
Source	<xs:element name="SO_Code"> <xs:simpleType> <xs:restriction base="xs:NCName"> <xs:enumeration value="ocean"/> <xs:enumeration value="semiArid"/> <xs:enumeration value="seaIce"/> <xs:enumeration value="desert"/> <xs:enumeration value="snow"/> <xs:enumeration value="urban"/> <xs:enumeration value="lakeIce"/> <xs:enumeration value="mountainous"/> <xs:enumeration value="vegetation"/> <xs:enumeration value="hilly"/> <xs:enumeration value="forest"/> <xs:enumeration value="flat"/> </xs:restriction> </xs:simpleType> </xs:element>	

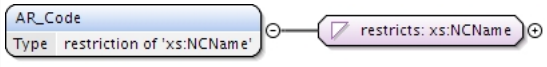
Element asmm:SO_Other

Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	xs:string	
Properties	content:	simple
Used by	Element	asmm:SurfacesOverflown
Source	<xs:element name="SO_Other" type="xs:string"/>	

Element asmm:AltitudeRanges

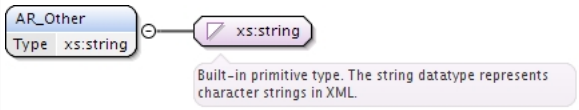
Namespace	http://www.eufar.net/ASMM	
Diagram		
Properties	content:	complex
Used by	Element	asmm:MissionMetadata
Model	asmm:AR_Code+ , asmm:AR_Other{0,1}	
Children	asmm:AR_Code, asmm:AR_Other	
Instance	<asmm:AltitudeRanges xmlns:asmm="http://www.eufar.net/ASMM"> <asmm:AR_Code>{1,unbounded}</asmm:AR_Code> <asmm:AR_Other>{0,1}</asmm:AR_Other> </asmm:AltitudeRanges>	
Source	<xs:element name="AltitudeRanges"> <xs:complexType> <xs:sequence> <xs:element ref="asmm:AR_Code" maxOccurs="unbounded"/> <xs:element ref="asmm:AR_Other" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>	

Element asmm:AR_Code

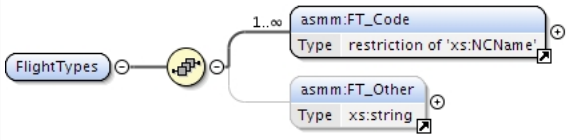
Namespace	http://www.eufar.net/ASMM
Diagram	

Type	restriction of xs:NCName	
Properties	content:	simple
Facets	enumeration	boundaryLayer
	enumeration	blNearSurface
	enumeration	blSubCloud
	enumeration	blInCloud
	enumeration	lowerTroposphere
	enumeration	midTroposphere
	enumeration	upperTroposphere
	enumeration	lowerStratosphere
Used by	Element	asmm:AltitudeRanges
Source	<xs:element name="AR_Code"> <xs:simpleType> <xs:restriction base="xs:NCName"> <xs:enumeration value="boundaryLayer"/> <xs:enumeration value="blNearSurface"/> <xs:enumeration value="blSubCloud"/> <xs:enumeration value="blInCloud"/> <xs:enumeration value="lowerTroposphere"/> <xs:enumeration value="midTroposphere"/> <xs:enumeration value="upperTroposphere"/> <xs:enumeration value="lowerStratosphere"/> </xs:restriction> </xs:simpleType> </xs:element>	

Element asmm:AR_Other

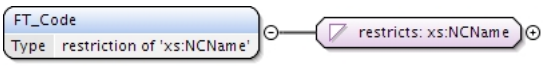
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:AltitudeRanges
Source	<xs:element name="AR_Other" type="xs:string"/>

Element asmm:FlightTypes

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:FT_Code+ , asmm:FT_Other{0,1}
Children	asmm:FT_Code, asmm:FT_Other
Instance	<asmm:FlightTypes xmlns:asmm="http://www.eufar.net/ASMM"> <asmm:FT_Code>{1,unbounded}</asmm:FT_Code> <asmm:FT_Other>{0,1}</asmm:FT_Other> </asmm:FlightTypes>
Source	<xs:element name="FlightTypes"> <xs:complexType> <xs:sequence> <xs:element ref="asmm:FT_Code" maxOccurs="unbounded"/> <xs:element ref="asmm:FT_Other" minOccurs="0"/> </xs:sequence>

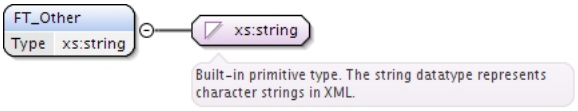
```
  </xs:complexType>
</xs:element>
```

Element asmm:FT_Code

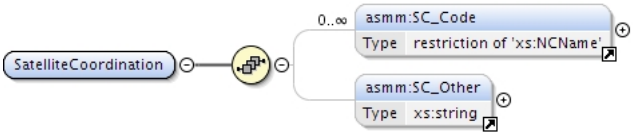
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	restriction of xs:NCName
Properties	content: simple
Facets	enumeration straightLevelRuns enumeration stackedStraightLevelRuns enumeration separatedStraightLevelRuns enumeration racetracks enumeration orbits enumeration lagrangianDescents enumeration deepProfileAscentsDescents enumeration dropsondeDeployed enumeration selfCalibration
Used by	Element asmm:FlightTypes

Source	`<xs:element name="FT_Code">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:NCName">`
	`  <xs:enumeration value="straightLevelRuns"/>`
	`  <xs:enumeration value="stackedStraightLevelRuns"/>`
	`  <xs:enumeration value="separatedStraightLevelRuns"/>`
	`  <xs:enumeration value="racetracks"/>`
	`  <xs:enumeration value="orbits"/>`
	`  <xs:enumeration value="lagrangianDescents"/>`
	`  <xs:enumeration value="deepProfileAscentsDescents"/>`
	`  <xs:enumeration value="dropsondeDeployed"/>`
	`  <xs:enumeration value="selfCalibration"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

Element asmm:FT_Other

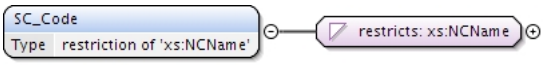
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightTypes
Source	`<xs:element name="FT_Other" type="xs:string"/>`

Element asmm:SatelliteCoordination

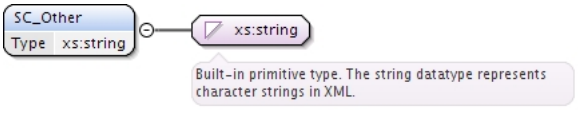
Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata

Model	asmm:SC_Code* , asmm:SC_Other{0,1}
Children	asmm:SC_Code, asmm:SC_Other
Instance	<asmm:SatelliteCoordination xmlns:asmm="http://www.eufar.net/ASMM"> <asmm:SC_Code>{0,unbounded}</asmm:SC_Code> <asmm:SC_Other>{0,1}</asmm:SC_Other> </asmm:SatelliteCoordination>
Source	<xs:element name="SatelliteCoordination"> <xs:complexType> <xs:sequence> <xs:element ref="asmm:SC_Code" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="asmm:SC_Other" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

Element asmm:SC_Code

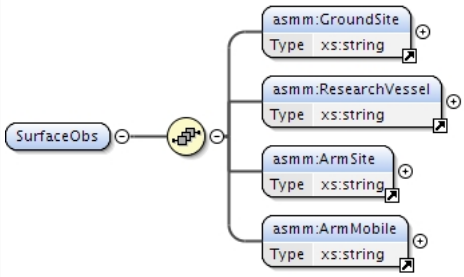
Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	restriction of xs:NCName	
Properties	content:	simple
Facets	enumeration	polarMetop
	enumeration	polarNpoess
	enumeration	polarAtrain
	enumeration	polarOther
	enumeration	geosynchMsg
	enumeration	geosynchOther
	enumeration	modis
	enumeration	cloudsat
	enumeration	caliop
	enumeration	iasi
	enumeration	airs
	enumeration	cris
	enumeration	amsuMhs
Used by	Element	asmm:SatelliteCoordination
Source	<xs:element name="SC_Code"> <xs:simpleType> <xs:restriction base="xs:NCName"> <xs:enumeration value="polarMetop"/> <xs:enumeration value="polarNpoess"/> <xs:enumeration value="polarAtrain"/> <xs:enumeration value="polarOther"/> <xs:enumeration value="geosynchMsg"/> <xs:enumeration value="geosynchOther"/> <xs:enumeration value="modis"/> <xs:enumeration value="cloudsat"/> <xs:enumeration value="caliop"/> <xs:enumeration value="iasi"/> <xs:enumeration value="airs"/> <xs:enumeration value="cris"/> <xs:enumeration value="amsuMhs"/> </xs:restriction> </xs:simpleType> </xs:element>	

Element asmm:SC_Other

Namespace	http://www.eufar.net/ASMM
Diagram	

Type	xs:string
Properties	content: simple
Used by	Element asmm:SatelliteCoordination
Source	`<xs:element name="SC_Other" type="xs:string"/>`

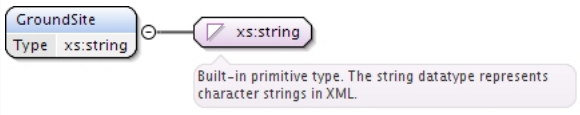
Element asmm:SurfaceObs

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:GroundSite , asmm:ResearchVessel , asmm:ArmSite , asmm:ArmMobile
Children	asmm:ArmMobile, asmm:ArmSite, asmm:GroundSite, asmm:ResearchVessel

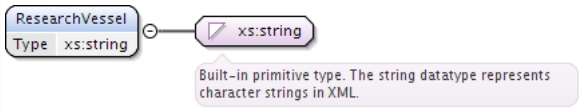
Instance	`<asmm:SurfaceObs xmlns:asmm="http://www.eufar.net/ASMM">`
	`  <asmm:GroundSite>{1,1}</asmm:GroundSite>`
	`  <asmm:ResearchVessel>{1,1}</asmm:ResearchVessel>`
	`  <asmm:ArmSite>{1,1}</asmm:ArmSite>`
	`  <asmm:ArmMobile>{1,1}</asmm:ArmMobile>`
	`</asmm:SurfaceObs>`

Source	`<xs:element name="SurfaceObs">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="asmm:GroundSite"/>`
	`  <xs:element ref="asmm:ResearchVessel"/>`
	`  <xs:element ref="asmm:ArmSite"/>`
	`  <xs:element ref="asmm:ArmMobile"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element asmm:GroundSite

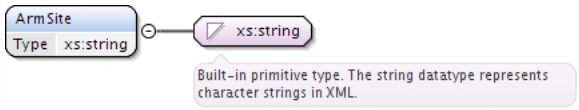
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:SurfaceObs
Source	`<xs:element name="GroundSite" type="xs:string"/>`

Element asmm:ResearchVessel

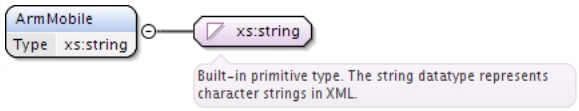
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple

Used by	Element	asmm:SurfaceObs
Source	<xs:element name="ResearchVessel" type="xs:string"/>	

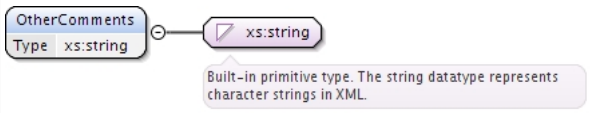
Element asmm:ArmSite

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:SurfaceObs
Source	<xs:element name="ArmSite" type="xs:string"/>

Element asmm:ArmMobile

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:SurfaceObs
Source	<xs:element name="ArmMobile" type="xs:string"/>

Element asmm:OtherComments

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:MissionMetadata
Source	<xs:element name="OtherComments" type="xs:string"/>