

# Schema documentation for schema.xsd

may 27, 2016

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

### Schema(s)

#### Main schema schema.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	<pre>&lt;asmm:MissionMetadata xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:CreationDate&gt;{1,1}&lt;/asmm:CreationDate&gt;   &lt;asmm:RevisionDate&gt;{1,1}&lt;/asmm:RevisionDate&gt;   &lt;asmm:FlightInformation&gt;{1,1}&lt;/asmm:FlightInformation&gt;   &lt;asmm:ContactInfo&gt;{1,1}&lt;/asmm:ContactInfo&gt;   &lt;asmm:ScientificAims&gt;{1,1}&lt;/asmm:ScientificAims&gt;</pre>

	<pre> &lt;asmm:GeographicalRegion&gt;{1,1}&lt;/asmm:GeographicalRegion&gt; &lt;asmm:AtmosFeatures&gt;{1,1}&lt;/asmm:AtmosFeatures&gt; &lt;asmm:CloudTypes&gt;{1,1}&lt;/asmm:CloudTypes&gt; &lt;asmm:ParticlesSampled&gt;{1,1}&lt;/asmm:ParticlesSampled&gt; &lt;asmm:SurfacesOverflown&gt;{1,1}&lt;/asmm:SurfacesOverflown&gt; &lt;asmm:AltitudeRanges&gt;{1,1}&lt;/asmm:AltitudeRanges&gt; &lt;asmm:FlightTypes&gt;{1,1}&lt;/asmm:FlightTypes&gt; &lt;asmm:SatelliteCoordination&gt;{1,1}&lt;/asmm:SatelliteCoordination&gt; &lt;asmm:SurfaceObs&gt;{1,1}&lt;/asmm:SurfaceObs&gt; &lt;asmm:OtherComments&gt;{1,1}&lt;/asmm:OtherComments&gt; &lt;/asmm:MissionMetadata&gt; </pre>
Source	<pre> &lt;xs:element name="MissionMetadata"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:CreationDate" /&gt;       &lt;xs:element ref="asmm:RevisionDate" /&gt;       &lt;xs:element ref="asmm:FlightInformation" /&gt;       &lt;xs:element ref="asmm:ContactInfo" /&gt;       &lt;xs:element ref="asmm:ScientificAims" /&gt;       &lt;xs:element ref="asmm:GeographicalRegion" /&gt;       &lt;xs:element ref="asmm:AtmosFeatures" /&gt;       &lt;xs:element ref="asmm:CloudTypes" /&gt;       &lt;xs:element ref="asmm:ParticlesSampled" /&gt;       &lt;xs:element ref="asmm:SurfacesOverflown" /&gt;       &lt;xs:element ref="asmm:AltitudeRanges" /&gt;       &lt;xs:element ref="asmm:FlightTypes" /&gt;       &lt;xs:element ref="asmm:SatelliteCoordination" /&gt;       &lt;xs:element ref="asmm:SurfaceObs" /&gt;       &lt;xs:element ref="asmm:OtherComments" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

### Element asmm:CreationDate

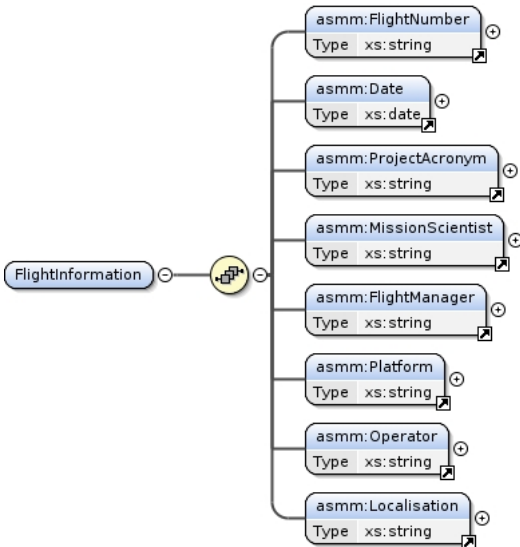
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:date
Properties	content: simple
Used by	Element asmm:MissionMetadata
Source	<pre>&lt;xs:element name="CreationDate" type="xs:date" /&gt;</pre>

### Element asmm:RevisionDate

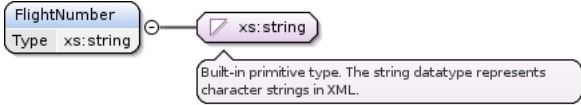
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:date
Properties	content: simple
Used by	Element asmm:MissionMetadata
Source	<pre>&lt;xs:element name="RevisionDate" type="xs:date" /&gt;</pre>

### Element asmm:FlightInformation

Namespace	http://www.eufar.net/ASMM
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Diagram	 <p>The diagram shows the <b>FlightInformation</b> element (Type: xs:string) connected to a complex content container. This container holds eight child elements, each with a Type of xs:string: <b>asmmm:FlightNumber</b>, <b>asmmm:Date</b>, <b>asmmm:ProjectAcronym</b>, <b>asmmm:MissionScientist</b>, <b>asmmm:FlightManager</b>, <b>asmmm:Platform</b>, <b>asmmm:Operator</b>, and <b>asmmm:Localisation</b>. Each child element has a small icon indicating its type.</p>
Properties	content: complex
Used by	Element <b>asmmm:MissionMetadata</b>
Model	asmmm:FlightNumber , asmmm:Date , asmmm:ProjectAcronym , asmmm:MissionScientist , asmmm:FlightManager , asmmm:Platform , asmmm:Operator , asmmm:Localisation
Children	asmmm:Date, asmmm:FlightManager, asmmm:FlightNumber, asmmm:Localisation, asmmm:MissionScientist, asmmm:Operator, asmmm:Platform, asmmm:ProjectAcronym
Instance	<pre>&lt;asmmm:FlightInformation xmlns:asmmm="http://www.eufar.net/ASMM"&gt;   &lt;asmmm:FlightNumber&gt;{1,1}&lt;/asmmm:FlightNumber&gt;   &lt;asmmm:Date&gt;{1,1}&lt;/asmmm:Date&gt;   &lt;asmmm:ProjectAcronym&gt;{1,1}&lt;/asmmm:ProjectAcronym&gt;   &lt;asmmm:MissionScientist&gt;{1,1}&lt;/asmmm:MissionScientist&gt;   &lt;asmmm:FlightManager&gt;{1,1}&lt;/asmmm:FlightManager&gt;   &lt;asmmm:Platform&gt;{1,1}&lt;/asmmm:Platform&gt;   &lt;asmmm:Operator&gt;{1,1}&lt;/asmmm:Operator&gt;   &lt;asmmm:Localisation&gt;{1,1}&lt;/asmmm:Localisation&gt; &lt;/asmmm:FlightInformation&gt;</pre>
Source	<pre>&lt;xs:element name="FlightInformation"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmmm:FlightNumber"/&gt;       &lt;xs:element ref="asmmm:Date"/&gt;       &lt;xs:element ref="asmmm:ProjectAcronym"/&gt;       &lt;xs:element ref="asmmm:MissionScientist"/&gt;       &lt;xs:element ref="asmmm:FlightManager"/&gt;       &lt;xs:element ref="asmmm:Platform"/&gt;       &lt;xs:element ref="asmmm:Operator"/&gt;       &lt;xs:element ref="asmmm:Localisation"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

### Element **asmmm:FlightNumber**

Namespace	http://www.eufar.net/ASMM
Diagram	 <p>The diagram shows the <b>FlightNumber</b> element (Type: xs:string) connected to a simple content container of type <b>xs:string</b>. A callout box explains: "Built-in primitive type. The string datatype represents character strings in XML."</p>
Type	xs:string
Properties	content: simple
Used by	Element <b>asmmm:FlightInformation</b>
Source	<pre>&lt;xs:element name="FlightNumber" type="xs:string"/&gt;</pre>

### Element **asmmm:Date**

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

### Element asmm:ProjectAcronym

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	<code>&lt;xs:element name="ProjectAcronym" type="xs:string"/&gt;</code>

### Element asmm:MissionScientist

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

### Element asmm:FlightManager

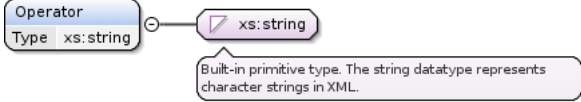
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	<code>&lt;xs:element name="FlightManager" type="xs:string"/&gt;</code>

### Element asmm:Platform

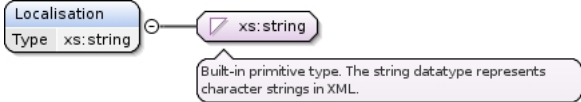
Namespace	http://www.eufar.net/ASMM
Diagram	

Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	<code>&lt;xs:element name="Platform" type="xs:string" /&gt;</code>

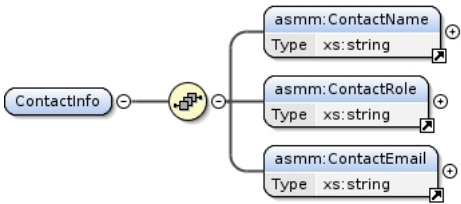
## Element asmm:Operator

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

## Element asmm:Localisation

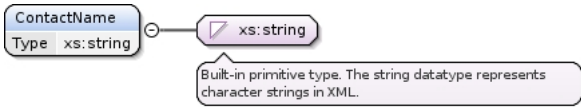
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	<code>&lt;xs:element name="Localisation" type="xs:string" /&gt;</code>

## Element asmm:ContactInfo

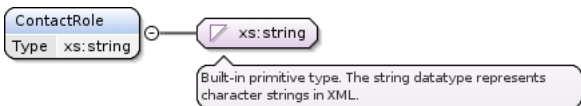
Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:ContactName , asmm:ContactRole , asmm:ContactEmail
Children	asmm:ContactEmail, asmm:ContactName, asmm:ContactRole
Instance	<pre> &lt;asmm:ContactInfo xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:ContactName&gt;{1,1}&lt;/asmm:ContactName&gt;   &lt;asmm:ContactRole&gt;{1,1}&lt;/asmm:ContactRole&gt;   &lt;asmm:ContactEmail&gt;{1,1}&lt;/asmm:ContactEmail&gt; &lt;/asmm:ContactInfo&gt; </pre>
Source	<pre> &lt;xs:element name="ContactInfo"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:ContactName" /&gt;       &lt;xs:element ref="asmm:ContactRole" /&gt;       &lt;xs:element ref="asmm:ContactEmail" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; </pre>

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

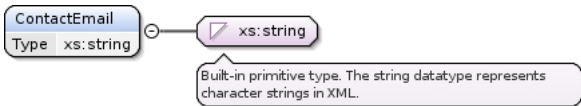
## Element `asmm:ContactName`

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

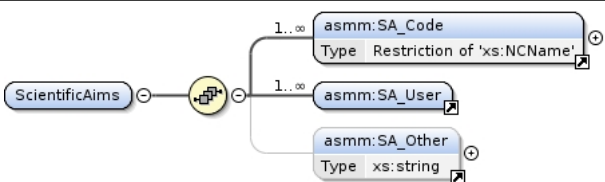
## Element `asmm:ContactRole`

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

## Element `asmm:ContactEmail`

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

## Element `asmm:ScientificAims`

Namespace	http://www.eufar.net/ASMM	
Diagram		
Properties	content:	complex
Used by	Element	asmm:MissionMetadata
Model	asmm:SA_Code+, asmm:SA_User+, asmm:SA_Other{0,1}	
Children	asmm:SA_Code, asmm:SA_Other, asmm:SA_User	
Instance	<pre>&lt;asmm:ScientificAims xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:SA_Code&gt;{1,unbounded}&lt;/asmm:SA_Code&gt;</pre>	

	<pre> &lt;asmm:SA_User&gt;{1,unbounded}&lt;/asmm:SA_User&gt; &lt;asmm:SA_Other&gt;{0,1}&lt;/asmm:SA_Other&gt; &lt;/asmm:ScientificAims&gt; </pre>
Source	<pre> &lt;xs:element name="ScientificAims"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SA_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SA_User"/&gt;       &lt;xs:element minOccurs="0" ref="asmm:SA_Other"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

## Element asmm:SA\_Code

Namespace	http://www.eufar.net/ASMM																																								
Diagram																																									
Type	restriction of xs:NCName																																								
Properties	content: simple																																								
Facets	<table> <tr><td>enumeration</td><td>satelliteCalVal</td></tr> <tr><td>enumeration</td><td>aerosol</td></tr> <tr><td>enumeration</td><td>aerosolRadiative</td></tr> <tr><td>enumeration</td><td>aerosolMicrophysical</td></tr> <tr><td>enumeration</td><td>anthroPollution</td></tr> <tr><td>enumeration</td><td>mesoscaleImpacts</td></tr> <tr><td>enumeration</td><td>cloudMicrophysics</td></tr> <tr><td>enumeration</td><td>cloudDynamics</td></tr> <tr><td>enumeration</td><td>cloudRaditave</td></tr> <tr><td>enumeration</td><td>cloudConvection</td></tr> <tr><td>enumeration</td><td>blCloud</td></tr> <tr><td>enumeration</td><td>blDynamics</td></tr> <tr><td>enumeration</td><td>radiation</td></tr> <tr><td>enumeration</td><td>radiationAtmosSpectroscopy</td></tr> <tr><td>enumeration</td><td>radiationSurfProperties</td></tr> <tr><td>enumeration</td><td>radiationOther</td></tr> <tr><td>enumeration</td><td>gasChem</td></tr> <tr><td>enumeration</td><td>gasChemOxidants</td></tr> <tr><td>enumeration</td><td>gasChemOrganics</td></tr> <tr><td>enumeration</td><td>gasChemOther</td></tr> </table>	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
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enumeration	mesoscaleImpacts																																								
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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	<pre> &lt;xs:element name="SA_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="satelliteCalVal"/&gt;       &lt;xs:enumeration value="aerosol"/&gt;       &lt;xs:enumeration value="aerosolRadiative"/&gt;       &lt;xs:enumeration value="aerosolMicrophysical"/&gt;       &lt;xs:enumeration value="anthroPollution"/&gt;       &lt;xs:enumeration value="mesoscaleImpacts"/&gt;       &lt;xs:enumeration value="cloudMicrophysics"/&gt;       &lt;xs:enumeration value="cloudDynamics"/&gt;       &lt;xs:enumeration value="cloudRaditave"/&gt;       &lt;xs:enumeration value="cloudConvection"/&gt;       &lt;xs:enumeration value="blCloud"/&gt;       &lt;xs:enumeration value="blDynamics"/&gt;       &lt;xs:enumeration value="radiation"/&gt;       &lt;xs:enumeration value="radiationAtmosSpectroscopy"/&gt;       &lt;xs:enumeration value="radiationSurfProperties"/&gt;       &lt;xs:enumeration value="radiationOther"/&gt;       &lt;xs:enumeration value="gasChem"/&gt;       &lt;xs:enumeration value="gasChemOxidants"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>																																								




```

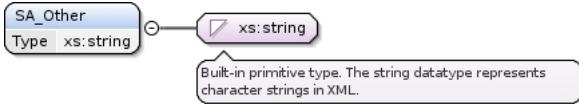
<xs:enumeration value="gasChemOrganics"/>
<xs:enumeration value="gasChemOther"/>
</xs:restriction>
</xs:simpleType>
</xs:element>

```

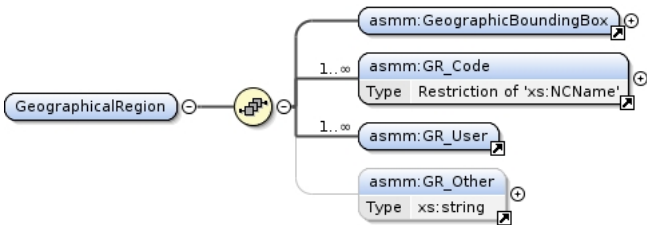
## Element `asmm:SA_User`

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element <code>asmm:ScientificAims</code>
Source	<code>&lt;xs:element name="SA_User" /&gt;</code>

## Element `asmm:SA_Other`

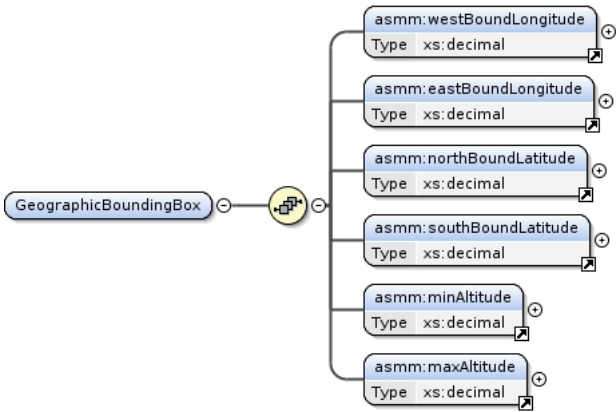
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element <code>asmm:ScientificAims</code>
Source	<code>&lt;xs:element name="SA_Other" type="xs:string" /&gt;</code>

## Element `asmm:GeographicalRegion`

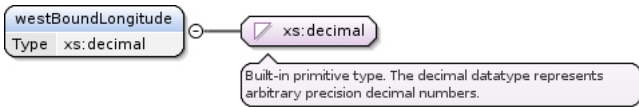
Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element <code>asmm:MissionMetadata</code>
Model	<code>asmm:GeographicBoundingBox</code> , <code>asmm:GR_Code</code> + , <code>asmm:GR_User</code> + , <code>asmm:GR_Other</code> {0,1}
Children	<code>asmm:GR_Code</code> , <code>asmm:GR_Other</code> , <code>asmm:GR_User</code> , <code>asmm:GeographicBoundingBox</code>
Instance	<pre> &lt;asmm:GeographicalRegion xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:GeographicBoundingBox&gt;{1,1}&lt;/asmm:GeographicBoundingBox&gt;   &lt;asmm:GR_Code&gt;{1,unbounded}&lt;/asmm:GR_Code&gt;   &lt;asmm:GR_User&gt;{1,unbounded}&lt;/asmm:GR_User&gt;   &lt;asmm:GR_Other&gt;{0,1}&lt;/asmm:GR_Other&gt; &lt;/asmm:GeographicalRegion&gt; </pre>
Source	<pre> &lt;xs:element name="GeographicalRegion"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:GeographicBoundingBox"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:GR_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:GR_User"/&gt;       &lt;xs:element minOccurs="0" ref="asmm:GR_Other"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

## Element `asmm:GeographicBoundingBox`

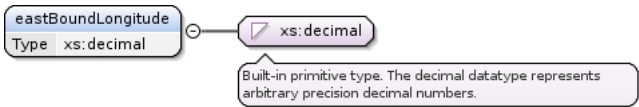
Namespace	http://www.eufar.net/ASMM
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Diagram	 <p>The diagram shows a root element 'GeographicBoundingBox' connected to a sequence container. This container holds six child elements: 'asmm:westBoundLongitude', 'asmm:eastBoundLongitude', 'asmm:northBoundLatitude', 'asmm:southBoundLatitude', 'asmm:minAltitude', and 'asmm:maxAltitude'. Each child element is shown with its type as 'xs:decimal'.</p>	
Properties	content:	complex
Used by	Element	asmm:GeographicalRegion
Model	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	<pre>&lt;asmm:GeographicBoundingBox xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:westBoundLongitude&gt;{1,1}&lt;/asmm:westBoundLongitude&gt;   &lt;asmm:eastBoundLongitude&gt;{1,1}&lt;/asmm:eastBoundLongitude&gt;   &lt;asmm:northBoundLatitude&gt;{1,1}&lt;/asmm:northBoundLatitude&gt;   &lt;asmm:southBoundLatitude&gt;{1,1}&lt;/asmm:southBoundLatitude&gt;   &lt;asmm:minAltitude&gt;{1,1}&lt;/asmm:minAltitude&gt;   &lt;asmm:maxAltitude&gt;{1,1}&lt;/asmm:maxAltitude&gt; &lt;/asmm:GeographicBoundingBox&gt;</pre>	
Source	<pre>&lt;xs:element name="GeographicBoundingBox"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:westBoundLongitude" /&gt;       &lt;xs:element ref="asmm:eastBoundLongitude" /&gt;       &lt;xs:element ref="asmm:northBoundLatitude" /&gt;       &lt;xs:element ref="asmm:southBoundLatitude" /&gt;       &lt;xs:element ref="asmm:minAltitude" /&gt;       &lt;xs:element ref="asmm:maxAltitude" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>	

### Element asmm:westBoundLongitude

Namespace	http://www.eufar.net/ASMM	
Diagram	 <p>The diagram shows the element 'westBoundLongitude' with type 'xs:decimal'. A callout box explains: 'Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.'</p>	
Type	xs:decimal	
Properties	content:	simple
Used by	Element	asmm:GeographicBoundingBox
Source	<pre>&lt;xs:element name="westBoundLongitude" type="xs:decimal" /&gt;</pre>	

### Element asmm:eastBoundLongitude

Namespace	http://www.eufar.net/ASMM	
Diagram	 <p>The diagram shows the element 'eastBoundLongitude' with type 'xs:decimal'. A callout box explains: 'Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.'</p>	
Type	xs:decimal	
Properties	content:	simple

Used by	Element asmm:GeographicBoundingBox
Source	<code>&lt;xs:element name="eastBoundLongitude" type="xs:decimal"/&gt;</code>

### Element **asmm:northBoundLatitude**

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

### Element **asmm:southBoundLatitude**

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

### Element **asmm:minAltitude**

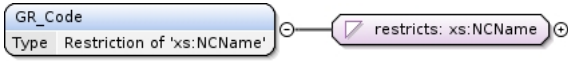
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<code>&lt;xs:element name="minAltitude" type="xs:decimal"/&gt;</code>

### Element **asmm:maxAltitude**


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

### Element **asmm:GR\_Code**

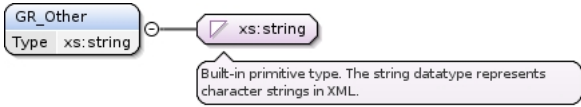
Namespace	http://www.eufar.net/ASMM
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Diagram																	
Type	restriction of xs:NCName																
Properties	content: simple																
Facets	<table border="1"> <tr><td>enumeration</td><td>polar</td></tr> <tr><td>enumeration</td><td>midLatitudes</td></tr> <tr><td>enumeration</td><td>subTropical</td></tr> <tr><td>enumeration</td><td>tropical</td></tr> <tr><td>enumeration</td><td>maritime</td></tr> <tr><td>enumeration</td><td>continental</td></tr> <tr><td>enumeration</td><td>oceanicIslands</td></tr> <tr><td>enumeration</td><td>other</td></tr> </table>	enumeration	polar	enumeration	midLatitudes	enumeration	subTropical	enumeration	tropical	enumeration	maritime	enumeration	continental	enumeration	oceanicIslands	enumeration	other
enumeration	polar																
enumeration	midLatitudes																
enumeration	subTropical																
enumeration	tropical																
enumeration	maritime																
enumeration	continental																
enumeration	oceanicIslands																
enumeration	other																
Used by	Element asmm:GeographicalRegion																
Source	<pre> &lt;xs:element name="GR_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="polar"/&gt;       &lt;xs:enumeration value="midLatitudes"/&gt;       &lt;xs:enumeration value="subTropical"/&gt;       &lt;xs:enumeration value="tropical"/&gt;       &lt;xs:enumeration value="maritime"/&gt;       &lt;xs:enumeration value="continental"/&gt;       &lt;xs:enumeration value="oceanicIslands"/&gt;       &lt;xs:enumeration value="other"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>																

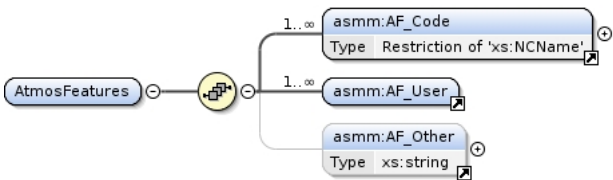
### Element asmm:GR\_User

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element asmm:GeographicalRegion
Source	<pre>&lt;xs:element name="GR_User" /&gt;</pre>

### Element asmm:GR\_Other

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

### Element asmm:AtmosFeatures

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

Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:AF_Code+ , asmm:AF_User+ , asmm:AF_Other{0,1}
Children	asmm:AF_Code, asmm:AF_Other, asmm:AF_User
Instance	<pre>&lt;asmm:AtmosFeatures xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:AF_Code&gt;{1,unbounded}&lt;/asmm:AF_Code&gt;   &lt;asmm:AF_User&gt;{1,unbounded}&lt;/asmm:AF_User&gt;   &lt;asmm:AF_Other&gt;{0,1}&lt;/asmm:AF_Other&gt; &lt;/asmm:AtmosFeatures&gt;</pre>
Source	<pre>&lt;xs:element name="AtmosFeatures"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:AF_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:AF_User"/&gt;       &lt;xs:element minOccurs="0" ref="asmm:AF_Other"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element asmm:AF\_Code


Namespace	http://www.eufar.net/ASMM																																				
Diagram																																					
Type	restriction of xs:NCName																																				
Properties	content: simple																																				
Facets	<table> <tr><td>enumeration</td><td>stationary</td></tr> <tr><td>enumeration</td><td>stationaryAnticyclonic</td></tr> <tr><td>enumeration</td><td>stationaryCyclonic</td></tr> <tr><td>enumeration</td><td>warmFront</td></tr> <tr><td>enumeration</td><td>warmConveyorBelt</td></tr> <tr><td>enumeration</td><td>coldFront</td></tr> <tr><td>enumeration</td><td>occludedFront</td></tr> <tr><td>enumeration</td><td>warmSector</td></tr> <tr><td>enumeration</td><td>postColdFrontalAirMass</td></tr> <tr><td>enumeration</td><td>arcticColdAirOutbreak</td></tr> <tr><td>enumeration</td><td>orographicInfluence</td></tr> <tr><td>enumeration</td><td>seaBreezeFront</td></tr> <tr><td>enumeration</td><td>stratosphericFold</td></tr> <tr><td>enumeration</td><td>extendedConvergenceLine</td></tr> <tr><td>enumeration</td><td>easterlyWave</td></tr> <tr><td>enumeration</td><td>equatorialWave</td></tr> <tr><td>enumeration</td><td>tropicalCyclone</td></tr> <tr><td>enumeration</td><td>mesoscaleOrganizedConvection</td></tr> </table>	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
enumeration	stationary																																				
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enumeration	equatorialWave																																				
enumeration	tropicalCyclone																																				
enumeration	mesoscaleOrganizedConvection																																				
Used by	Element asmm:AtmosFeatures																																				
Source	<pre>&lt;xs:element name="AF_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="stationary"/&gt;       &lt;xs:enumeration value="stationaryAnticyclonic"/&gt;       &lt;xs:enumeration value="stationaryCyclonic"/&gt;       &lt;xs:enumeration value="warmFront"/&gt;       &lt;xs:enumeration value="warmConveyorBelt"/&gt;       &lt;xs:enumeration value="coldFront"/&gt;       &lt;xs:enumeration value="occludedFront"/&gt;       &lt;xs:enumeration value="warmSector"/&gt;       &lt;xs:enumeration value="postColdFrontalAirMass"/&gt;       &lt;xs:enumeration value="arcticColdAirOutbreak"/&gt;       &lt;xs:enumeration value="orographicInfluence"/&gt;       &lt;xs:enumeration value="seaBreezeFront"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>																																				

```

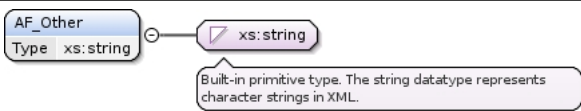
<xs:enumeration value="stratosphericFold"/>
<xs:enumeration value="extendedConvergenceLine"/>
<xs:enumeration value="easterlyWave"/>
<xs:enumeration value="equatorialWave"/>
<xs:enumeration value="tropicalCyclone"/>
<xs:enumeration value="mesoscaleOrganizedConvection"/>
</xs:restriction>
</xs:simpleType>
</xs:element>

```

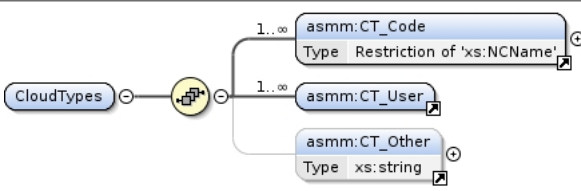
### Element `asmm:AF_User`

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element <code>asmm:AtmosFeatures</code>
Source	<code>&lt;xs:element name="AF_User" /&gt;</code>

### Element `asmm:AF_Other`


Namespace	http://www.eufar.net/ASMM
Diagram	 Built-in primitive type. The string datatype represents character strings in XML.
Type	xs:string
Properties	content: simple
Used by	Element <code>asmm:AtmosFeatures</code>
Source	<code>&lt;xs:element name="AF_Other" type="xs:string" /&gt;</code>

### Element `asmm:CloudTypes`


Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element <code>asmm:MissionMetadata</code>
Model	<code>asmm:CT_Code+</code> , <code>asmm:CT_User+</code> , <code>asmm:CT_Other{0,1}</code>
Children	<code>asmm:CT_Code</code> , <code>asmm:CT_Other</code> , <code>asmm:CT_User</code>
Instance	<pre> &lt;asmm:CloudTypes xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:CT_Code&gt;{1,unbounded}&lt;/asmm:CT_Code&gt;   &lt;asmm:CT_User&gt;{1,unbounded}&lt;/asmm:CT_User&gt;   &lt;asmm:CT_Other&gt;{0,1}&lt;/asmm:CT_Other&gt; &lt;/asmm:CloudTypes&gt; </pre>
Source	<pre> &lt;xs:element name="CloudTypes"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:CT_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:CT_User"/&gt;       &lt;xs:element minOccurs="0" ref="asmm:CT_Other"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

### Element `asmm:CT_Code`

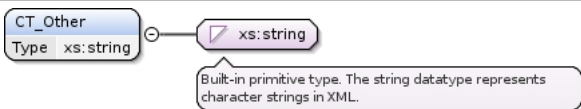
Namespace	http://www.eufar.net/ASMM
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Diagram																													
Type	restriction of xs:NCName																												
Properties	content: simple																												
Facets	<table border="1"> <tr><td>enumeration</td><td>waterClouds</td></tr> <tr><td>enumeration</td><td>mixedPhaseClouds</td></tr> <tr><td>enumeration</td><td>iceClouds</td></tr> <tr><td>enumeration</td><td>cirrus</td></tr> <tr><td>enumeration</td><td>contrails</td></tr> <tr><td>enumeration</td><td>stratocumulus</td></tr> <tr><td>enumeration</td><td>shallowCumulus</td></tr> <tr><td>enumeration</td><td>cumulusCongestus</td></tr> <tr><td>enumeration</td><td>cumulonimbusToweringCumulus</td></tr> <tr><td>enumeration</td><td>altostratusAltoCumulus</td></tr> <tr><td>enumeration</td><td>waveClouds</td></tr> <tr><td>enumeration</td><td>deepFrontalStratiformClouds</td></tr> <tr><td>enumeration</td><td>cloudFreeAboveAircraft</td></tr> <tr><td>enumeration</td><td>cloudFreeBelowAircraft</td></tr> </table>	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
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	<pre> &lt;xs:element name="CT_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="waterClouds" /&gt;       &lt;xs:enumeration value="mixedPhaseClouds" /&gt;       &lt;xs:enumeration value="iceClouds" /&gt;       &lt;xs:enumeration value="cirrus" /&gt;       &lt;xs:enumeration value="contrails" /&gt;       &lt;xs:enumeration value="stratocumulus" /&gt;       &lt;xs:enumeration value="shallowCumulus" /&gt;       &lt;xs:enumeration value="cumulusCongestus" /&gt;       &lt;xs:enumeration value="cumulonimbusToweringCumulus" /&gt;       &lt;xs:enumeration value="altostratusAltoCumulus" /&gt;       &lt;xs:enumeration value="waveClouds" /&gt;       &lt;xs:enumeration value="deepFrontalStratiformClouds" /&gt;       &lt;xs:enumeration value="cloudFreeAboveAircraft" /&gt;       &lt;xs:enumeration value="cloudFreeBelowAircraft" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>																												

### Element asmm:CT\_User

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element asmm:CloudTypes
Source	<pre>&lt;xs:element name="CT_User" /&gt;</pre>

### Element asmm:CT\_Other

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:CloudTypes

Source	<code>&lt;xs:element name="CT_Other" type="xs:string" /&gt;</code>
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## Element `asmm:ParticlesSampled`

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

## Element `asmm:PS_Code`

Namespace	http://www.eufar.net/ASMM																								
Diagram																									
Type	restriction of <code>xs:NCName</code>																								
Properties	content: simple																								
Facets	<table border="1"> <tr><td>enumeration</td><td>rain</td></tr> <tr><td>enumeration</td><td>drizzle</td></tr> <tr><td>enumeration</td><td>droplets</td></tr> <tr><td>enumeration</td><td>pristineIceCrystals</td></tr> <tr><td>enumeration</td><td>snowOrAggregates</td></tr> <tr><td>enumeration</td><td>graupelOrHail</td></tr> <tr><td>enumeration</td><td>seaSaltAerosol</td></tr> <tr><td>enumeration</td><td>continentalAerosol</td></tr> <tr><td>enumeration</td><td>urbanPlume</td></tr> <tr><td>enumeration</td><td>biomassBurning</td></tr> <tr><td>enumeration</td><td>desertOrMineralDust</td></tr> <tr><td>enumeration</td><td>volcanicAsh</td></tr> </table>	enumeration	rain	enumeration	drizzle	enumeration	droplets	enumeration	pristineIceCrystals	enumeration	snowOrAggregates	enumeration	graupelOrHail	enumeration	seaSaltAerosol	enumeration	continentalAerosol	enumeration	urbanPlume	enumeration	biomassBurning	enumeration	desertOrMineralDust	enumeration	volcanicAsh
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 <code>asmm:ParticlesSampled</code>																								
Source	<pre>&lt;xs:element name="PS_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="rain"/&gt;       &lt;xs:enumeration value="drizzle"/&gt;       &lt;xs:enumeration value="droplets"/&gt;       &lt;xs:enumeration value="pristineIceCrystals"/&gt;       &lt;xs:enumeration value="snowOrAggregates"/&gt;       &lt;xs:enumeration value="graupelOrHail"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>																								




```

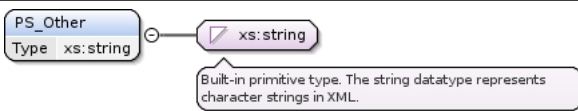
<xs:enumeration value="seaSaltAerosol" />
<xs:enumeration value="continentalAerosol" />
<xs:enumeration value="urbanPlume" />
<xs:enumeration value="biomassBurning" />
<xs:enumeration value="desertOrMineralDust" />
<xs:enumeration value="volcanicAsh" />
</xs:restriction>
</xs:simpleType>
</xs:element>

```

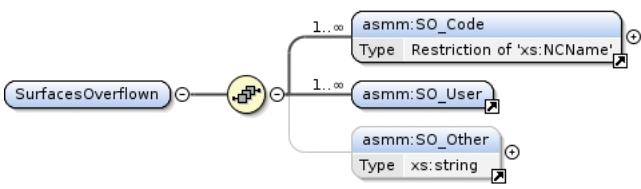
## Element `asmm:PS_User`

Namespace	http://www.eufar.net/ASMM
Diagram	 A blue rounded rectangle labeled "PS_User" with "Type xs:string" written below it.
Used by	Element <code>asmm:ParticlesSampled</code>
Source	<code>&lt;xs:element name="PS_User" /&gt;</code>

## Element `asmm:PS_Other`


Namespace	http://www.eufar.net/ASMM
Diagram	 A blue rounded rectangle labeled "PS_Other" with "Type xs:string" written below it. A callout box points to it with the text: "Built-in primitive type. The string datatype represents character strings in XML." The callout box also has "xs:string" written above it.
Type	xs:string
Properties	content: simple
Used by	Element <code>asmm:ParticlesSampled</code>
Source	<code>&lt;xs:element name="PS_Other" type="xs:string" /&gt;</code>

## Element `asmm:SurfacesOverflown`


Namespace	http://www.eufar.net/ASMM
Diagram	 A blue rounded rectangle labeled "SurfacesOverflown" with a yellow circle containing a plus sign and a small square icon next to it. A line connects this circle to a larger yellow circle containing a plus sign. From this larger circle, three lines branch out to three blue rounded rectangles: "asmm:SO_Code" (Type: Restriction of 'xs:NCName'), "asmm:SO_User", and "asmm:SO_Other" (Type: xs:string). Each of these three rectangles has a small square icon next to it. The lines from the larger yellow circle to the three rectangles are labeled "1..∞".
Properties	content: complex
Used by	Element <code>asmm:MissionMetadata</code>
Model	<code>asmm:SO_Code+</code> , <code>asmm:SO_User+</code> , <code>asmm:SO_Other{0,1}</code>
Children	<code>asmm:SO_Code</code> , <code>asmm:SO_Other</code> , <code>asmm:SO_User</code>
Instance	<pre> &lt;asmm:SurfacesOverflown xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:SO_Code&gt;{1,unbounded}&lt;/asmm:SO_Code&gt;   &lt;asmm:SO_User&gt;{1,unbounded}&lt;/asmm:SO_User&gt;   &lt;asmm:SO_Other&gt;{0,1}&lt;/asmm:SO_Other&gt; &lt;/asmm:SurfacesOverflown&gt; </pre>
Source	<pre> &lt;xs:element name="SurfacesOverflown"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SO_Code" /&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SO_User" /&gt;       &lt;xs:element minOccurs="0" ref="asmm:SO_Other" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

## Element `asmm:SO_Code`

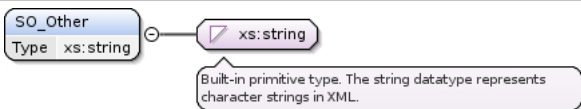
Namespace	http://www.eufar.net/ASMM
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Diagram																									
Type	restriction of xs:NCName																								
Properties	content: simple																								
Facets	<table> <tr><td>enumeration</td><td>ocean</td></tr> <tr><td>enumeration</td><td>semiArid</td></tr> <tr><td>enumeration</td><td>seaIce</td></tr> <tr><td>enumeration</td><td>desert</td></tr> <tr><td>enumeration</td><td>snow</td></tr> <tr><td>enumeration</td><td>urban</td></tr> <tr><td>enumeration</td><td>lakeIce</td></tr> <tr><td>enumeration</td><td>mountainous</td></tr> <tr><td>enumeration</td><td>vegetation</td></tr> <tr><td>enumeration</td><td>hilly</td></tr> <tr><td>enumeration</td><td>forest</td></tr> <tr><td>enumeration</td><td>flat</td></tr> </table>	enumeration	ocean	enumeration	semiArid	enumeration	seaIce	enumeration	desert	enumeration	snow	enumeration	urban	enumeration	lakeIce	enumeration	mountainous	enumeration	vegetation	enumeration	hilly	enumeration	forest	enumeration	flat
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	<pre> &lt;xs:element name="SO_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="ocean"/&gt;       &lt;xs:enumeration value="semiArid"/&gt;       &lt;xs:enumeration value="seaIce"/&gt;       &lt;xs:enumeration value="desert"/&gt;       &lt;xs:enumeration value="snow"/&gt;       &lt;xs:enumeration value="urban"/&gt;       &lt;xs:enumeration value="lakeIce"/&gt;       &lt;xs:enumeration value="mountainous"/&gt;       &lt;xs:enumeration value="vegetation"/&gt;       &lt;xs:enumeration value="hilly"/&gt;       &lt;xs:enumeration value="forest"/&gt;       &lt;xs:enumeration value="flat"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>																								

### Element asmm:SO\_User

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element asmm:SurfacesOverflown
Source	<pre>&lt;xs:element name="SO_User"/&gt;</pre>

### Element asmm:SO\_Other

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

### Element asmm:AltitudeRanges

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

## Element asmm:AR\_Code

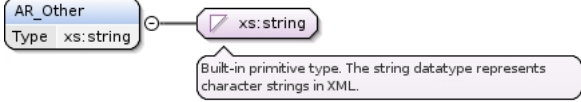
Namespace	http://www.eufar.net/ASMM																
Diagram																	
Type	restriction of xs:NCName																
Properties	content: simple																
Facets	<table> <tr><td>enumeration</td><td>boundaryLayer</td></tr> <tr><td>enumeration</td><td>blNearSurface</td></tr> <tr><td>enumeration</td><td>blSubCloud</td></tr> <tr><td>enumeration</td><td>blInCloud</td></tr> <tr><td>enumeration</td><td>lowerTroposphere</td></tr> <tr><td>enumeration</td><td>midTroposphere</td></tr> <tr><td>enumeration</td><td>upperTroposphere</td></tr> <tr><td>enumeration</td><td>lowerStratosphere</td></tr> </table>	enumeration	boundaryLayer	enumeration	blNearSurface	enumeration	blSubCloud	enumeration	blInCloud	enumeration	lowerTroposphere	enumeration	midTroposphere	enumeration	upperTroposphere	enumeration	lowerStratosphere
enumeration	boundaryLayer																
enumeration	blNearSurface																
enumeration	blSubCloud																
enumeration	blInCloud																
enumeration	lowerTroposphere																
enumeration	midTroposphere																
enumeration	upperTroposphere																
enumeration	lowerStratosphere																
Used by	Element asmm:AltitudeRanges																
Source	<pre>&lt;xs:element name="AR_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="boundaryLayer" /&gt;       &lt;xs:enumeration value="blNearSurface" /&gt;       &lt;xs:enumeration value="blSubCloud" /&gt;       &lt;xs:enumeration value="blInCloud" /&gt;       &lt;xs:enumeration value="lowerTroposphere" /&gt;       &lt;xs:enumeration value="midTroposphere" /&gt;       &lt;xs:enumeration value="upperTroposphere" /&gt;       &lt;xs:enumeration value="lowerStratosphere" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>																

## Element asmm:AR\_User

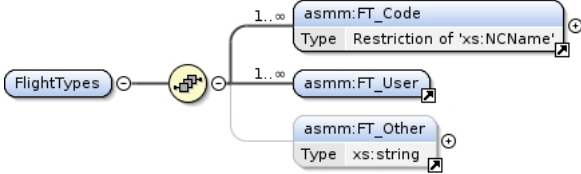
Namespace	http://www.eufar.net/ASMM
Diagram	

Used by	Element asmm:AltitudeRanges
Source	<code>&lt;xs:element name="AR_User" /&gt;</code>

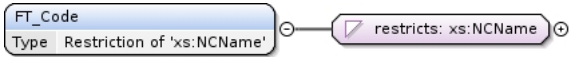
### Element asmm:AR\_Other

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

### Element asmm:FlightTypes


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

### Element asmm:FT\_Code

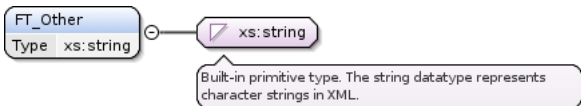
Namespace	http://www.eufar.net/ASMM														
Diagram															
Type	restriction of xs:NCName														
Properties	content: simple														
Facets	<table border="1"> <tr><td>enumeration</td><td>straightLevelRuns</td></tr> <tr><td>enumeration</td><td>stackedStraightLevelRuns</td></tr> <tr><td>enumeration</td><td>separatedStraightLevelRuns</td></tr> <tr><td>enumeration</td><td>racetracks</td></tr> <tr><td>enumeration</td><td>orbits</td></tr> <tr><td>enumeration</td><td>lagrangianDescents</td></tr> <tr><td>enumeration</td><td>deepProfileAscentsDescents</td></tr> </table>	enumeration	straightLevelRuns	enumeration	stackedStraightLevelRuns	enumeration	separatedStraightLevelRuns	enumeration	racetracks	enumeration	orbits	enumeration	lagrangianDescents	enumeration	deepProfileAscentsDescents
enumeration	straightLevelRuns														
enumeration	stackedStraightLevelRuns														
enumeration	separatedStraightLevelRuns														
enumeration	racetracks														
enumeration	orbits														
enumeration	lagrangianDescents														
enumeration	deepProfileAscentsDescents														

	enumeration	dropsondeDeployed
	enumeration	selfCalibration
Used by	Element	asmm:FlightTypes
Source	<pre>&lt;xs:element name="FT_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="straightLevelRuns"/&gt;       &lt;xs:enumeration value="stackedStraightLevelRuns"/&gt;       &lt;xs:enumeration value="separatedStraightLevelRuns"/&gt;       &lt;xs:enumeration value="racetracks"/&gt;       &lt;xs:enumeration value="orbits"/&gt;       &lt;xs:enumeration value="lagrangianDescents"/&gt;       &lt;xs:enumeration value="deepProfileAscentsDescents"/&gt;       &lt;xs:enumeration value="dropsondeDeployed"/&gt;       &lt;xs:enumeration value="selfCalibration"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>	

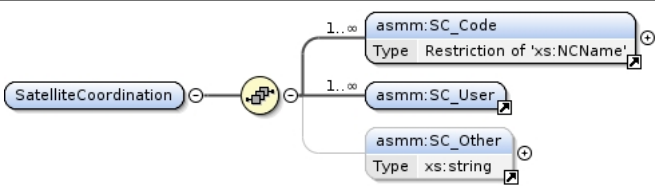
### Element asmm:FT\_User

Namespace	http://www.eufar.net/ASMM	
Diagram		
Used by	Element	asmm:FlightTypes
Source	<pre>&lt;xs:element name="FT_User"/&gt;</pre>	

### Element asmm:FT\_Other

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

### Element asmm:SatelliteCoordination

Namespace	http://www.eufar.net/ASMM	
Diagram		
Properties	content:	complex
Used by	Element	asmm:MissionMetadata
Model	asmm:SC_Code+, asmm:SC_User+, asmm:SC_Other{0,1}	
Children	asmm:SC_Code, asmm:SC_Other, asmm:SC_User	
Instance	<pre>&lt;asmm:SatelliteCoordination xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:SC_Code&gt;{1,unbounded}&lt;/asmm:SC_Code&gt;   &lt;asmm:SC_User&gt;{1,unbounded}&lt;/asmm:SC_User&gt;   &lt;asmm:SC_Other&gt;{0,1}&lt;/asmm:SC_Other&gt; &lt;/asmm:SatelliteCoordination&gt;</pre>	
Source	<pre>&lt;xs:element name="SatelliteCoordination"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SC_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SC_User"/&gt;</pre>	

```

<xs:element minOccurs="0" ref="asmm:SC_Other" />
</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	<table> <tr><td>enumeration</td><td>polarMetop</td></tr> <tr><td>enumeration</td><td>polarNpoess</td></tr> <tr><td>enumeration</td><td>polarAtrain</td></tr> <tr><td>enumeration</td><td>polarOther</td></tr> <tr><td>enumeration</td><td>geosynchMsg</td></tr> <tr><td>enumeration</td><td>geosynchOther</td></tr> <tr><td>enumeration</td><td>modis</td></tr> <tr><td>enumeration</td><td>cloudsat</td></tr> <tr><td>enumeration</td><td>caliop</td></tr> <tr><td>enumeration</td><td>iasi</td></tr> <tr><td>enumeration</td><td>airs</td></tr> <tr><td>enumeration</td><td>cris</td></tr> <tr><td>enumeration</td><td>amsuMhs</td></tr> </table>	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
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 <code>asmm:SatelliteCoordination</code>																										
Source	<pre> &lt;xs:element name="SC_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="polarMetop"/&gt;       &lt;xs:enumeration value="polarNpoess"/&gt;       &lt;xs:enumeration value="polarAtrain"/&gt;       &lt;xs:enumeration value="polarOther"/&gt;       &lt;xs:enumeration value="geosynchMsg"/&gt;       &lt;xs:enumeration value="geosynchOther"/&gt;       &lt;xs:enumeration value="modis"/&gt;       &lt;xs:enumeration value="cloudsat"/&gt;       &lt;xs:enumeration value="caliop"/&gt;       &lt;xs:enumeration value="iasi"/&gt;       &lt;xs:enumeration value="airs"/&gt;       &lt;xs:enumeration value="cris"/&gt;       &lt;xs:enumeration value="amsuMhs"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>																										

## Element `asmm:SC_User`

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element <code>asmm:SatelliteCoordination</code>
Source	<pre> &lt;xs:element name="SC_User" /&gt; </pre>

## Element `asmm:SC_Other`

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

Type	xs:string
Properties	content: simple
Used by	Element asmm:SatelliteCoordination
Source	<code>&lt;xs:element name="SC_Other" type="xs:string" /&gt;</code>

## 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	<pre>&lt;asmm:SurfaceObs xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:GroundSite&gt;{1,1}&lt;/asmm:GroundSite&gt;   &lt;asmm:ResearchVessel&gt;{1,1}&lt;/asmm:ResearchVessel&gt;   &lt;asmm:ArmSite&gt;{1,1}&lt;/asmm:ArmSite&gt;   &lt;asmm:ArmMobile&gt;{1,1}&lt;/asmm:ArmMobile&gt; &lt;/asmm:SurfaceObs&gt;</pre>
Source	<pre>&lt;xs:element name="SurfaceObs"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:GroundSite"/&gt;       &lt;xs:element ref="asmm:ResearchVessel"/&gt;       &lt;xs:element ref="asmm:ArmSite"/&gt;       &lt;xs:element ref="asmm:ArmMobile"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element **asmm:GroundSite**

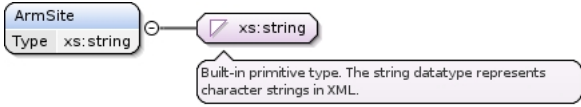
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:SurfaceObs
Source	<code>&lt;xs:element name="GroundSite" type="xs:string" /&gt;</code>

## Element **asmm:ResearchVessel**

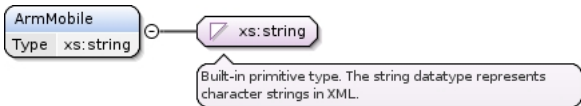
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple

Used by	Element asmm:SurfaceObs
Source	<code>&lt;xs:element name="ResearchVessel" type="xs:string" /&gt;</code>

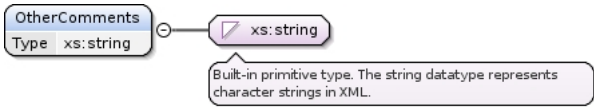
### Element **asmm:ArmSite**

Namespace	http://www.eufar.net/ASMM
Diagram	 <p>Diagram illustrating the relationship between the <b>ArmSite</b> element and the <b>xs:string</b> type. The <b>ArmSite</b> element is connected to the <b>xs:string</b> type, which is a built-in primitive type representing character strings in XML.</p>
Type	xs:string
Properties	content: simple
Used by	Element asmm:SurfaceObs
Source	<code>&lt;xs:element name="ArmSite" type="xs:string" /&gt;</code>

### Element **asmm:ArmMobile**

Namespace	http://www.eufar.net/ASMM
Diagram	 <p>Diagram illustrating the relationship between the <b>ArmMobile</b> element and the <b>xs:string</b> type. The <b>ArmMobile</b> element is connected to the <b>xs:string</b> type, which is a built-in primitive type representing character strings in XML.</p>
Type	xs:string
Properties	content: simple
Used by	Element asmm:SurfaceObs
Source	<code>&lt;xs:element name="ArmMobile" type="xs:string" /&gt;</code>

### Element **asmm:OtherComments**

Namespace	http://www.eufar.net/ASMM
Diagram	 <p>Diagram illustrating the relationship between the <b>OtherComments</b> element and the <b>xs:string</b> type. The <b>OtherComments</b> element is connected to the <b>xs:string</b> type, which is a built-in primitive type representing character strings in XML.</p>
Type	xs:string
Properties	content: simple
Used by	Element asmm:MissionMetadata
Source	<code>&lt;xs:element name="OtherComments" type="xs:string" /&gt;</code>