

ASF radiometric terrain corrected products

Product format specification

ASF engineering

ABSTRACT

This product format specification defines standard terrain corrected products generated at the Alaska Satellite Facility. It contains the definition for the ISO compliant XML metadata.



Document Preparation

The document was prepared with contributions from
Rudi Gens

Document Change Log

Revision	Date	Page	Change Description	Reason for change
1.0 Draft	03/07/2014	all	Initial Draft	
1.1	07/01/2014	all	Added further parameters to the metadata. Moved parameters within the structure.	



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1 Document structure

The document is structured as follows:

Chapter 1 introduces the structure and scope of the document.

Chapter 2 summarizes the product packaging.

Chapter 3 defines the elements of the ISO compliant XML metadata.



2 Product packaging

The naming convention for the RTC products follows as base name of this pattern:
AA_BBBBB_CCC_FDDDD_RTE (e.g. AP_26939_FBS_F3170_RT1)

Component	Definition	Example
AA	mission	AP
BBBBB	orbit number of image	26939
CCC	beam mode of image	PLR
DDDD	frame number of image	3170
E	terrain correction resolution (1=high, 2=low)	1

All files are stored in a folder with the base name. The file extension used are:

Extension	Description	Example
_HH.tif	terrain corrected product stored in separate files for each available polarization in GeoTIFF format	AP_26939_PLR_F3170_RT1_HH.tif
_HV.tif		AP_26939_PLR_F3170_RT1_HV.tif
_VH.tif		AP_26939_PLR_F3170_RT1_VH.tif
_VV.tif		AP_26939_PLR_F3170_RT1_VV.tif
.iso.xml	ISO compliant metadata in XML format	AP_26939_PLR_F3170_RT1.iso.xml
.xsd	<i>future release will include XML schema to validate the XML metadata</i>	rtc_iso.xsd
.dem.tif	digital elevation model used for terrain correction in GeoTIFF format	AP_26939_PLR_F3170_RT1.dem.tif
.inc_map.tif	layover/shadow mask in GeoTIFF format	AP_26939_PLR_F3170_RT1.inc_map.tif
.ls_map.tif	layover/shadow mask in GeoTIFF format	AP_26939_PLR_F3170_RT1.ls_map.tif
.geo.jpg	browse image of the amplitude (including world and auxiliary file) in JPEG format	AP_26939_PLR_F3170_RT1.geo.jpg
.kmz	browse image in Google Earth format	AP_26939_PLR_F3170_RT1.kmz



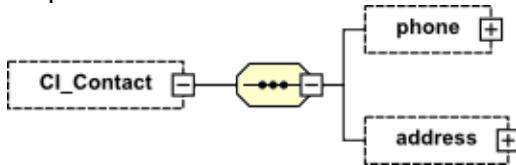
3 ISO XML metadata

The metadata is stored in an ISO metadata compliant XML format.

```
<?xml version="1.0" encoding="utf-8"?>
<DS_Series xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:gmd="http://www.isotc211.org/2005/gmd"
  xmlns:gco="http://www.isotc211.org/2005/gco"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:eos="http://earthdata.nasa.gov/schema/eos"
  xmlns:echo="http://www.echo.nasa.gov/ingest/schemas/operations"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:gml="http://www.opengis.net/gml/3.2"
  xmlns:gmi="http://www.isotc211.org/2005/gmi"
  xsi:noNamespaceSchemaLocation="schema.no_ns.xsd">
  <composedOf>
    <DS_DataSet>
      <has>
        <MI_Metadata>
          <fileIdentifier>
            <CharacterString>AP_26939_PLR_F3170_RT1.iso.xml</CharacterString>
          </fileIdentifier>
          <language>
            <CharacterString>eng</CharacterString>
          </language>
          <characterSet>
            <MD_CharacterSetCode
              codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#MD_CharacterSetCode" codeListValue="utf8">utf8</MD_CharacterSetCode>
            </characterSet>
            <hierarchyLevel>
              <MD_ScopeCode
                codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#MD_ScopeCode" codeListValue="dataset">dataset</MD_ScopeCode>
              </hierarchyLevel>
```

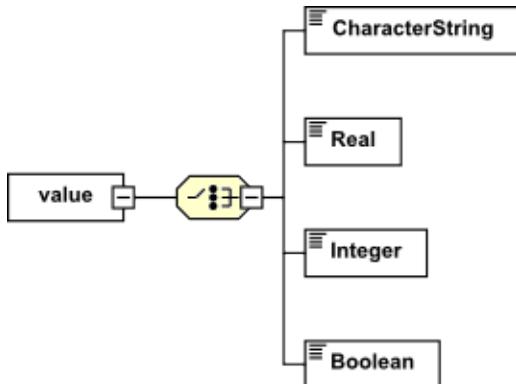
The graphical representation contains a number of compositors and components:

- Sequence



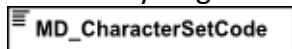
A sequence requires all child elements to be present in the given order, i.e. in this case the **phone** component needs to be in XML file before the **address** component.

- Choice



A choice allows only one of the child elements to be present, i.e. value can be a character string, floating point number, integer number or Boolean.

- Mandatory single element



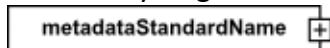
An element with solid border indicates that the element is required. The absence of a number range implies a minimum and maximum occurrence of the element of 1.

- Single optional element



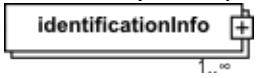
An element with dashed border indicates that the element is optional. The absence of a number range implies a minimum occurrence of 0 and a maximum occurrence of 1.

- Mandatory single element containing children



The solid border indicates a mandatory element. The plus sign means complex content, i.e. it contains at least one child element.

- Mandatory multiple element containing child elements



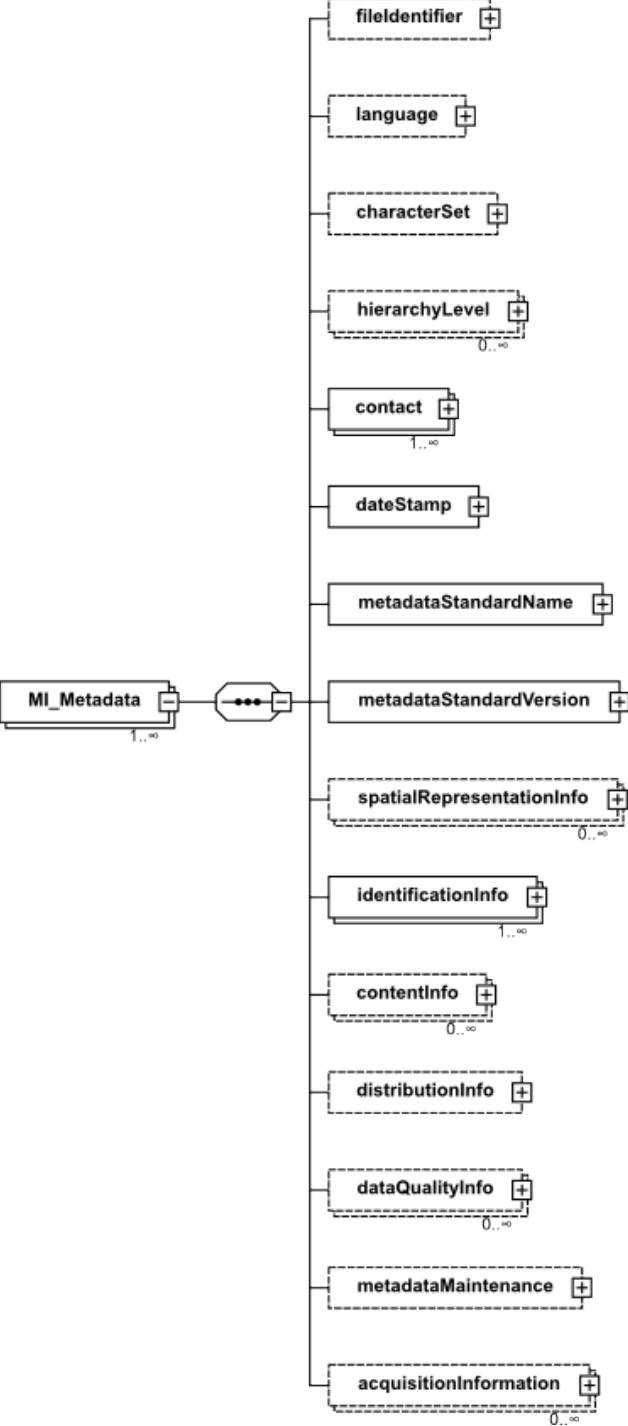
The solid border indicates a mandatory element. The plus sign means complex content, i.e. it contains at least one child element. The number range $1..\infty$ indicates a minimum occurrence of 1 and an unbounded maximum occurrence.

The structure is outlined in more detail below.



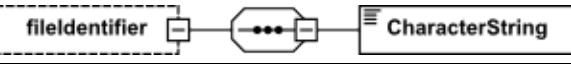
3.1 MI_Metadata

element **MI_Metadata**

diagram	 <p>The diagram illustrates the structure of the MI_Metadata element. It starts with a base class 'MI_Metadata' which has several associations:</p> <ul style="list-style-type: none">An association with 'fileIdentifier' (multiplicity 1..1).An association with 'language' (multiplicity 1..1).An association with 'characterSet' (multiplicity 1..1).An association with 'hierarchyLevel' (multiplicity 0..1).An association with 'contact' (multiplicity 1..1).An association with 'dateStamp' (multiplicity 1..1).An association with 'metadataStandardName' (multiplicity 1..1).An association with 'metadataStandardVersion' (multiplicity 1..1).An association with 'spatialRepresentationInfo' (multiplicity 0..1).An association with 'identificationInfo' (multiplicity 1..1).An association with 'contentInfo' (multiplicity 0..1).An association with 'distributionInfo' (multiplicity 1..1).An association with 'dataQualityInfo' (multiplicity 0..1).An association with 'metadataMaintenance' (multiplicity 1..1).An association with 'acquisitionInformation' (multiplicity 0..1).
annotation	documentation contains the metadata for the terrain corrected product

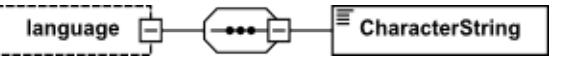
3.1.1 fileIdentifier

element MI_Metadata/fileIdentifier

diagram	
type	xs:string
annotation	documentation file name of the terrain corrected product XML file

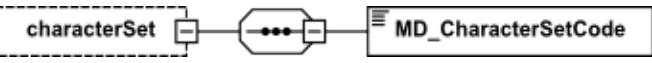
3.1.2 language

element MI_Metadata/language

diagram	
type	xs:string
annotation	documentation language of the metadata record

3.1.3 characterSet

element MI_Metadata/characterSet

diagram	
type	characterSetCode
facets	enumeration ucs2 enumeration ucs4 enumeration utf7 enumeration utf8 enumeration utf16 enumeration 8859part1 enumeration 8859part2 enumeration 8859part3 enumeration 8859part4 enumeration 8859part5 enumeration 8859part6 enumeration 8859part7 enumeration 8859part8

	enumeration	8859part9		
	enumeration	8859part10		
	enumeration	8859part11		
	enumeration	8859part12		
	enumeration	8859part13		
	enumeration	8859part14		
	enumeration	8859part15		
	enumeration	8859part16		
	enumeration	jis		
	enumeration	shiftJIS		
	enumeration	eucJP		
	enumeration	usAscii		
	enumeration	ebcdic		
	enumeration	eucKR		
	enumeration	big5		
	enumeration	GB2312		
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MD_CharacterSetCode
	codeListValue	characterSetCode	required	value from code list
annotation	documentation	name of the character coding standard used in the resource		

3.1.4 hierarchyLevel

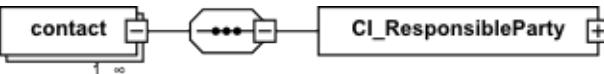
element MI_Metadata/hierarchyLevel

diagram	<pre> classDiagram class hierarchyLevel class MD_ScopeCode hierarchyLevel "0..1" --> MD_ScopeCode </pre>														
type	scopeCode														
facets	<table border="1"> <tr> <td>enumeration</td> <td>attribute</td> </tr> <tr> <td>enumeration</td> <td>attributeType</td> </tr> <tr> <td>enumeration</td> <td>collectionHardware</td> </tr> <tr> <td>enumeration</td> <td>collectionSession</td> </tr> <tr> <td>enumeration</td> <td>dataset</td> </tr> <tr> <td>enumeration</td> <td>series</td> </tr> <tr> <td>enumeration</td> <td>nonGeographicDataset</td> </tr> </table>	enumeration	attribute	enumeration	attributeType	enumeration	collectionHardware	enumeration	collectionSession	enumeration	dataset	enumeration	series	enumeration	nonGeographicDataset
enumeration	attribute														
enumeration	attributeType														
enumeration	collectionHardware														
enumeration	collectionSession														
enumeration	dataset														
enumeration	series														
enumeration	nonGeographicDataset														

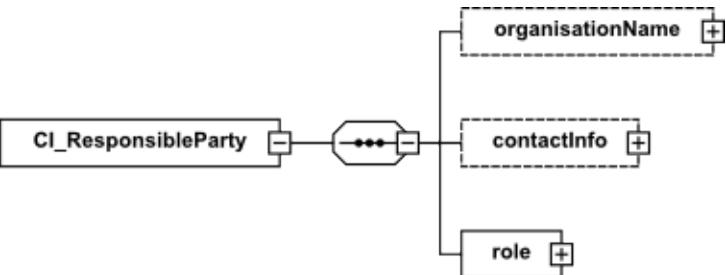
	enumeration	dimensionGroup		
	enumeration	feature		
	enumeration	featureType		
	enumeration	propertyType		
	enumeration	fieldSession		
	enumeration	software		
	enumeration	service		
	enumeration	model		
	enumeration	tile		
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MD_ScopeCode
	codeListValue	scopeCode	required	value from code list
annotation	documentation	class of information to which the referencing entity applies		

3.1.5 contact

element MI_Metadata/contact

diagram	
annotation	documentation contact information

element MI_Metadata/contact/CI_ResponsibleParty

diagram	
annotation	documentation responsible party details

element MI_Metadata/contact/CI_ResponsibleParty/organisationName

diagram	
type	xs:string
annotation	documentation name of the responsible organization

element MI_Metadata/contact/CI_ResponsibleParty/contactInfo

diagram	
annotation	documentation contact information

element MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact

diagram									
attribute	<table> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Annotation</th> </tr> <tr> <td>id</td> <td>xs:string</td> <td>required</td> <td>ID for ASF contact information</td> </tr> </table>	Name	Type	Use	Annotation	id	xs:string	required	ID for ASF contact information
Name	Type	Use	Annotation						
id	xs:string	required	ID for ASF contact information						
annotation	documentation contact information details								

element MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/phone

diagram	
annotation	documentation contact phone information

element MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/phone/CI_Telephone

diagram	
annotation	documentation contact telephone information details

element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/phone/CI_Telephone/voice**

diagram	
type	xs:string
annotation	documentation contact phone number

element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/phone/CI_Telephone/facsimile**

diagram	
type	xs:string
annotation	documentation contact fax number

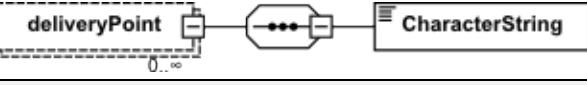
element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/address**

diagram	
annotation	documentation contract address

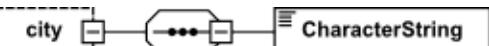
element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address**

diagram	
annotation	documentation contact address details

element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/deliveryPoint**

diagram	 A UML sequence diagram fragment showing a sequence of characters represented by three dots between two ports. The first port is labeled 'deliveryPoint' and the second is labeled 'CharacterString'. Below the sequence, there is a multiplicity '0..oo'.
type	xs:string
annotation	documentation contact address: street

element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/city**

diagram	 A UML sequence diagram fragment showing a sequence of characters represented by three dots between two ports. The first port is labeled 'city' and the second is labeled 'CharacterString'.
type	xs:string
annotation	documentation contact address: city

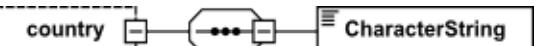
element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/administrativeArea**

diagram	 A UML sequence diagram fragment showing a sequence of characters represented by three dots between two ports. The first port is labeled 'administrativeArea' and the second is labeled 'CharacterString'.
type	xs:string
annotation	documentation contact address: administrative area

element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/postalCode**

diagram	 A UML sequence diagram fragment showing a sequence of characters represented by three dots between two ports. The first port is labeled 'postalCode' and the second is labeled 'CharacterString'.
type	xs:string
annotation	documentation contact address: postal code

element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/country**

diagram	 A UML sequence diagram fragment showing a sequence of characters represented by three dots between two ports. The first port is labeled 'country' and the second is labeled 'CharacterString'.
type	xs:string
annotation	documentation contact address: country

element **MI_Metadata/contact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/electronicMailAddress**

diagram	<pre> sequenceDiagram participant A as electronicMailAddress participant B as participant C as CharacterString A->>B: activate B B-->>C: deactivate B C-->>D: deactivate C </pre>
type	xs:string
annotation	documentation contact address: email address

element **MI_Metadata/contact/CI_ResponsibleParty/role**

diagram	<pre> sequenceDiagram participant A as role participant B as participant C as CI_RoleCode A->>B: activate B B-->>C: deactivate B C-->>D: deactivate C </pre>																										
type	roleCode																										
facets	<table> <tr> <td>enumeration</td> <td>resourceProvider</td> </tr> <tr> <td>enumeration</td> <td>custodian</td> </tr> <tr> <td>enumeration</td> <td>owner</td> </tr> <tr> <td>enumeration</td> <td>sponsor</td> </tr> <tr> <td>enumeration</td> <td>user</td> </tr> <tr> <td>enumeration</td> <td>distributor</td> </tr> <tr> <td>enumeration</td> <td>originator</td> </tr> <tr> <td>enumeration</td> <td>pointOfContact</td> </tr> <tr> <td>enumeration</td> <td>principalInvestigator</td> </tr> <tr> <td>enumeration</td> <td>processor</td> </tr> <tr> <td>enumeration</td> <td>publisher</td> </tr> <tr> <td>enumeration</td> <td>author</td> </tr> <tr> <td>enumeration</td> <td>collaborator</td> </tr> </table>	enumeration	resourceProvider	enumeration	custodian	enumeration	owner	enumeration	sponsor	enumeration	user	enumeration	distributor	enumeration	originator	enumeration	pointOfContact	enumeration	principalInvestigator	enumeration	processor	enumeration	publisher	enumeration	author	enumeration	collaborator
enumeration	resourceProvider																										
enumeration	custodian																										
enumeration	owner																										
enumeration	sponsor																										
enumeration	user																										
enumeration	distributor																										
enumeration	originator																										
enumeration	pointOfContact																										
enumeration	principalInvestigator																										
enumeration	processor																										
enumeration	publisher																										
enumeration	author																										
enumeration	collaborator																										
attribute	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>codeList</td> <td>xs:string</td> <td>required</td> <td>CI_RoleCode</td> </tr> <tr> <td>codeListValue</td> <td>roleCode</td> <td>required</td> <td>value from code list</td> </tr> </tbody> </table>	Name	Type	Use	Annotation	codeList	xs:string	required	CI_RoleCode	codeListValue	roleCode	required	value from code list														
Name	Type	Use	Annotation																								
codeList	xs:string	required	CI_RoleCode																								
codeListValue	roleCode	required	value from code list																								
annotation	documentation function performed by the responsible party																										

3.1.6 dateStamp

element MI_Metadata/dateStamp

diagram	
type	xs:date
annotation	documentation date that the metadata was last updated

3.1.7 metadataStandardName

element MI_Metadata/metadataStandardName

diagram	
type	xs:string
annotation	documentation name of the metadata standard

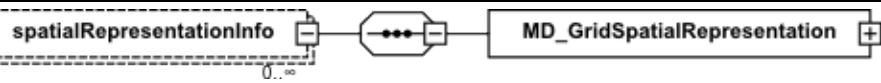
3.1.8 metadataStandardVersion

element MI_Metadata/metadataStandardVersion

diagram	
type	xs:string
annotation	documentation version of the metadata standard

3.1.9 spatialRepresentationInfo

element MI_Metadata/spatialRepresentationInfo

diagram	
annotation	documentation spatial representation information

element MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation

diagram	<pre> classDiagram class MD_GridSpatialRepresentation class MD_Dimension MD_GridSpatialRepresentation "1..∞" -- "..." MD_Dimension : axisDimensionProperties MD_GridSpatialRepresentation --> cellGeometry MD_GridSpatialRepresentation --> transformationParameterAvailability MD_GridSpatialRepresentation --> otherPropertyType MD_GridSpatialRepresentation --> otherProperty </pre>
annotation	documentation grid spatial representation details

element MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/numberOfDimensions

diagram	<pre> classDiagram class MD_GridSpatialRepresentation class Integer MD_GridSpatialRepresentation --> Integer : numberOfDimensions </pre>
type	xs:int
annotation	documentation number of dimensions

element MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/axisDimensionProperties

diagram	<pre> classDiagram class MD_GridSpatialRepresentation class MD_Dimension MD_GridSpatialRepresentation --> MD_Dimension : axisDimensionProperties </pre>
annotation	documentation axis dimension properties

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/axisDimensionProperties/MD_Dimension**

diagram	<pre> classDiagram class MD_Dimension { <<MD_Dimension>> } class dimensionName { <<dimensionName>> } class dimensionSize { <<dimensionSize>> } class resolution { <<resolution>> } MD_Dimension "1..1" *-- "1..1" dimensionName MD_Dimension "1..1" *-- "1..1" dimensionSize MD_Dimension "1..1" *-- "1..1" resolution </pre>
annotation	documentation dimension details

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/axisDimensionProperties/MD_Dimension/dimensionName**

diagram	<pre> classDiagram class dimensionName { <<dimensionName>> } class MD_DimensionNameTypeCode { <<MD_DimensionNameTypeCode>> } dimensionName "1..1" *-- "1..1" MD_DimensionNameTypeCode </pre>																
type	dimensionNameTypeCode																
facets	<table border="0"> <tr> <td>enumeration</td> <td>row</td> </tr> <tr> <td>enumeration</td> <td>column</td> </tr> <tr> <td>enumeration</td> <td>vertical</td> </tr> <tr> <td>enumeration</td> <td>track</td> </tr> <tr> <td>enumeration</td> <td>crossTrack</td> </tr> <tr> <td>enumeration</td> <td>line</td> </tr> <tr> <td>enumeration</td> <td>sample</td> </tr> <tr> <td>enumeration</td> <td>time</td> </tr> </table>	enumeration	row	enumeration	column	enumeration	vertical	enumeration	track	enumeration	crossTrack	enumeration	line	enumeration	sample	enumeration	time
enumeration	row																
enumeration	column																
enumeration	vertical																
enumeration	track																
enumeration	crossTrack																
enumeration	line																
enumeration	sample																
enumeration	time																
attribute	<table border="0"> <tr> <td>Name</td> <td>Type</td> <td>Use</td> <td>Annotation</td> </tr> <tr> <td>codeList</td> <td>xs:string</td> <td>required</td> <td>MD_DimensionNameTypeCode</td> </tr> <tr> <td>codeListValue</td> <td>dimensionName</td> <td>required</td> <td>value of code list</td> </tr> <tr> <td></td> <td>TypeCode</td> <td></td> <td></td> </tr> </table>	Name	Type	Use	Annotation	codeList	xs:string	required	MD_DimensionNameTypeCode	codeListValue	dimensionName	required	value of code list		TypeCode		
Name	Type	Use	Annotation														
codeList	xs:string	required	MD_DimensionNameTypeCode														
codeListValue	dimensionName	required	value of code list														
	TypeCode																
annotation	documentation name of the dimension																

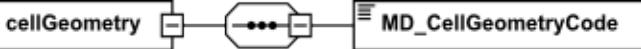
element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/axisProperties/MD_Dimension/dimensionSize**

diagram	<pre> classDiagram class dimensionSize { <<dimensionSize>> } class Integer { <<Integer>> } dimensionSize "1..1" *-- "1..1" Integer </pre>
type	xs:int
annotation	documentation size of the dimension

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/axisProperties/MD_Dimension/resolution**

diagram	
type	xs:float
annotation	documentation resolution

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/cellGeometry**

diagram	
type	cellGeometryCode
facets	enumeration point enumeration area
attribute	Name Type Use Annotation codeList xs:string required MD_CellGeometryCode codeListValue cellGeometryCode required value of code list
annotation	documentation cell geometry

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/transformationParameterAvailability**

diagram	
type	xs:Boolean
annotation	documentation transformation parameter availability

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/other.PropertyType**

diagram	
type	xs:string
attribute	Name Type Use Annotation href xlink:href required EOS Additional Attributes
annotation	documentation other property type – EOS additional attributes

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty**

diagram	
annotation	documentation other property – additional attributes

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record**

diagram	
annotation	documentation other property record

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes**

diagram	
annotation	documentation additional attributes

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes**

diagram	
annotation	documentation EOS additional attributes

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute**

diagram	
annotation	documentation additionalAttribute

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute**

diagram	<pre> graph LR EA[EOS_AdditionalAttribute] --- "•••" "•••" --- R[reference] "•••" --- V[value] </pre>
annotation	documentation EOS_AdditionalAttribute

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference**

diagram	<pre> graph LR R[reference] --- "•••" "•••" --- EAD[EOS_AdditionalAttributeDescription] </pre>
annotation	documentation additional attribute reference

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription**

diagram	<pre> graph LR EAD[EOS_AdditionalAttributeDescription] --- "•••" "•••" --- R[reference] R --- T[type] R --- N[name] R --- D[description] R --- DT[dataType] R --- PUM[parameterUnitsOfMeasure] </pre>
annotation	documentation cell geometry

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/type**

diagram				
type	additionalAttributeTypeCode			
facets	enumeration spatialInformation enumeration acquisitionInformation			
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	EOS_AdditionalAttributeTypeCode
	codeListValue	EOS_AdditionalAttributeTypeCode	required	value of code list
annotation	documentation	additional attribute: type		

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/name**

diagram				
type	xs:string			
annotation	documentation	additional attribute: name		

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/description**

diagram				
type	xs:string			
annotation	documentation	additional attribute: description		

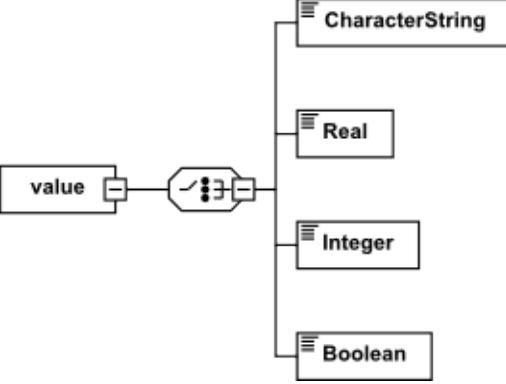
element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/dataType**

diagram														
type	additionalAttributeDataTypeCode													
facets	enumeration STRING enumeration FLOAT enumeration INT enumeration BOOLEAN enumeration DATE enumeration TIME enumeration DATETIME enumeration DATE_STRING enumeration TIME_STRING enumeration DATETIME_STRING													
attribute	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>codeList</td> <td>xs:string</td> <td>required</td> <td>EOS_AdditionalAttribute Data-Type Code</td> </tr> <tr> <td>codeListValue</td> <td>DataTypeCode</td> <td>required</td> <td>value of code list</td> </tr> </tbody> </table>		Name	Type	Use	Annotation	codeList	xs:string	required	EOS_AdditionalAttribute Data-Type Code	codeListValue	DataTypeCode	required	value of code list
Name	Type	Use	Annotation											
codeList	xs:string	required	EOS_AdditionalAttribute Data-Type Code											
codeListValue	DataTypeCode	required	value of code list											
annotation	documentation additional attribute: data type													

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/parameterUnitsOfMeasure**

diagram		
type	xs:string	
annotation	documentation additional attribute: parameter units of measure	

element **MI_Metadata/spatialRepresentationInfo/MD_GridSpatialRepresentation/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/value**

diagram	
type	xs:string, xs:float, xs:int or xs:boolean
annotation	documentation additional attribute: value

3.1.10 identificationInfo

element MI_Metadata/identificationInfo

diagram	
annotation	documentation dataset identification information

element MI_Metadata/identificationInfo/MD_DataIdentification

diagram	
annotation	documentation data identification details

element MI_Metadata/identificationInfo/MD_DataIdentification/citation

diagram	
annotation	documentation data citation

element MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation

diagram	
annotation	documentation data citation details

element MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/title

diagram	
type	xs:string
annotation	documentation data citation: title

element MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/alternateTitle

diagram	
type	xs:string
annotation	documentation data citation: alternateTitle

element MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/date

diagram	
annotation	documentation data citation: date

element MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/date/CI_Date

diagram	
annotation	documentation data citation: date details

element MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/date/CI_Date/date

diagram	
type	xs:date
annotation	documentation date time stamp – e.g. 2014-01-29T23:47:03.000000Z

element MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/date/CI_Date/dateType

diagram	
type	dateTypeCode
facets	enumeration creation enumeration publication enumeration revision
attribute	Name Type Use Annotation codeList xs:string required CI_DateTypeCode codeListValue dataTypeCode required value of code list
annotation	documentation type of date stamp

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty**

diagram	<pre> sequenceDiagram participant A as citedResponsibleParty participant B as CI_ResponsibleParty A->>B activate B B-->>+ </pre>
annotation	documentation data citation: cited responsible party

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty**

diagram	<pre> sequenceDiagram participant A as CI_ResponsibleParty participant B as contactInfo participant C as role participant D as organisationName A->>B A->>C B-->>D C-->>D activate D D-->>+ </pre>
annotation	documentation data citation: cited responsible party details

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/organisationName**

diagram	<pre> sequenceDiagram participant A as organisationName participant B as CharacterString A->>B activate B B-->>+ </pre>
type	xs:string
annotation	documentation name of the responsible organization

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo**

diagram	<pre> sequenceDiagram participant A as contactInfo participant B as CI_Contact A->>B activate B B-->>+ </pre>
annotation	documentation contact information

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact**

diagram	<pre> sequenceDiagram participant A as CI_Contact participant B as phone participant C as address A->>B A->>C activate B B-->>+ activate C C-->>+ </pre>
annotation	documentation contact information details

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/phone**

diagram	
annotation	documentation contact phone information

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/phone/CI_Telephone**

diagram	
annotation	documentation contact telephone information details

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/phone/CI_Telephone/voice**

diagram	
type	xs:string
annotation	documentation contact phone number

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/phone/CI_Telephone/facsimile**

diagram	
type	xs:string
annotation	documentation contact fax number

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/address**

diagram	
annotation	documentation contact address information

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address**

diagram	<pre> classDiagram class CI_Address class deliveryPoint class city class administrativeArea class postalCode class country class electronicEmailAddress CI_Address "0..1" -- "*" deliveryPoint CI_Address "0..1" -- "*" city CI_Address "0..1" -- "*" administrativeArea CI_Address "0..1" -- "*" postalCode CI_Address "0..1" -- "*" country CI_Address "0..1" -- "*" electronicEmailAddress </pre>
annotation	documentation contact address information details

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/deliveryPoint**

diagram	<pre> classDiagram class deliveryPoint class CharacterString deliveryPoint "0..1" -- "*" CharacterString </pre>
type	xs:string
annotation	documentation contact address: street

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/city**

diagram	<pre> classDiagram class city class CharacterString city "0..1" -- "*" CharacterString </pre>
type	xs:string
annotation	documentation contact address: city

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/administrativeArea**

diagram	
type	xs:string
annotation	documentation contact address: administrative area

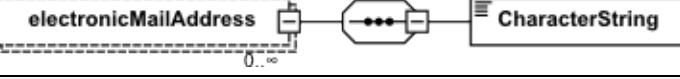
element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/postalCode**

diagram	
type	xs:string
annotation	documentation contact address: postal code

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/country**

diagram	
type	xs:string
annotation	documentation contact address: country

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/electronicMailAddress**

diagram	
type	xs:string
annotation	documentation contact address: email address

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/role**

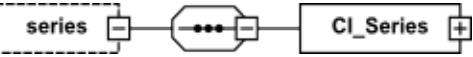
diagram				
type	roleCode			
facets	enumeration resourceProvider enumeration custodian enumeration owner enumeration sponsor enumeration user enumeration distributor enumeration originator enumeration pointOfContact enumeration principalInvestigator enumeration processor enumeration publisher enumeration author enumeration collaborator			
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	CI_RoleCode
	codeListValue	roleCode	required	value from code list
annotation	documentation	function performed by the responsible party		

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/presentationForm**

diagram				
type	presentationFormCode			
facets	enumeration documentDigital enumeration documentHardcopy enumeration imageDigital enumeration imageHardcopy enumeration mapDigital enumeration mapHardcopy enumeration modelDigital			

	enumeration	modelHardcopy		
	enumeration	profileDigital		
	enumeration	profileHardcopy		
	enumeration	tableDigital		
	enumeration	tableHardcopy		
	enumeration	videoDigital		
	enumeration	videoHardcopy		
attribute	Name	Type	Use	Annotation
	codeList	xs:string	require	CI_PresentationFormCode
	codeListValue	presentationFormCode	require	value of code list
annotation	documentation	presentation form		

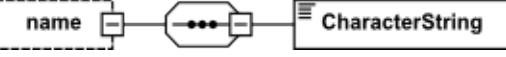
element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/series**

diagram	
annotation	documentation series the dataset belongs to

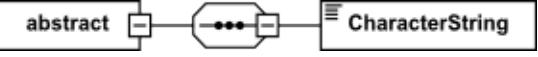
element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/series/CI_Series**

diagram	
annotation	documentation series details

element **MI_Metadata/identificationInfo/MD_DataIdentification/citation/CI_Citation/series/CI_Series/name**

diagram	
type	xs:string
annotation	documentation name of the data series

element **MI_Metadata/identificationInfo/MD_DataIdentification/abstract**

diagram	
type	xs:string
annotation	documentation abstract describing the data

element MI_Metadata/identificationInfo/MD_DataIdentification/status

diagram	<pre> classDiagram class status class MD_ProgressCode status "0..oo" --> MD_ProgressCode </pre>			
type	progressCode			
facets	enumeration completed enumeration historicalArchive enumeration obsolete enumeration onGoing enumeration planned enumeration required enumeration underDevelopment			
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MD_ProgressCode
	codeListValue	progressCode	required	value of code list
annotation	documentation	status of the dataset or progress of a review		

element MI_Metadata/identificationInfo/MD_DataIdentification/resourceMaintenance

diagram	<pre> classDiagram class resourceMaintenance class MD_MaintenanceInformation resourceMaintenance "0..oo" --> MD_MaintenanceInformation </pre>			
annotation	resource maintenance information			

**element MI_Metadata/identificationInfo/MD_DataIdentification/resourceMaintenance/
MD_MaintenanceInformation**

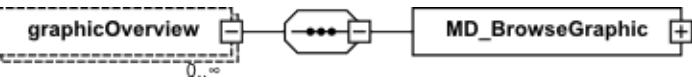
diagram	<pre> classDiagram class MD_MaintenanceInformation class maintenanceAndUpdateFrequency MD_MaintenanceInformation "0..oo" --> maintenanceAndUpdateFrequency </pre>			
annotation	metadata maintenance details			

**element MI_Metadata/identificationInfo/MD_DataIdentification/resourceMaintenance/
MD_MaintenanceInformation/maintenanceAndUpdateFrequency**

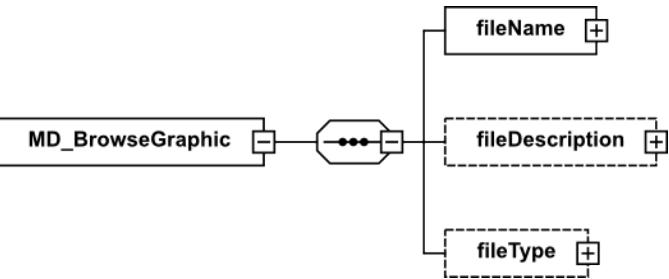
diagram	<pre> classDiagram class maintenanceAndUpdateFrequency class MD_MaintenanceFrequencyCode maintenanceAndUpdateFrequency "0..oo" --> MD_MaintenanceFrequencyCode </pre>			
type	maintenanceFrequencyCode			
facets	enumeration continual enumeration daily enumeration weekly			

	enumeration	fortnightly		
	enumeration	monthly		
	enumeration	quarterly		
	enumeration	biannually		
	enumeration	annually		
	enumeration	asNeeded		
	enumeration	irregular		
	enumeration	notPlanned		
	enumeration	unknown		
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MD_MaintenanceFrequencyCode
	codeListValue	maintenance FrequencyCode	required	value of code list
annotation	documentation	frequency with which modifications and deletions are made to the data after it is first produced		

element MI_Metadata/identificationInfo/MD_DataIdentification/graphicOverview

diagram	
annotation	documentation browse image information

**element MI_Metadata/identificationInfo/MD_DataIdentification/graphicOverview/
MD_BrowseGraphic**

diagram	
annotation	documentation browse image information details

element **MI_Metadata/identificationInfo/MD_DataIdentification/graphicOverview/MD_BrowseGraphic/fileName**

diagram	
type	xs:string
annotation	documentation browse image information: file name

element **MI_Metadata/identificationInfo/MD_DataIdentification/graphicOverview/MD_BrowseGraphic/fileDescription**

diagram	
type	xs:string
annotation	documentation browse image information: file description

element **MI_Metadata/identificationInfo/MD_DataIdentification/graphicOverview/MD_BrowseGraphic/fileType**

diagram	
type	xs:string
annotation	documentation browse image information: file type

element **MI_Metadata/identificationInfo/MD_DataIdentification/resourceConstraints**

diagram	
annotation	documentation resource constraints

element **MI_Metadata/identificationInfo/MD_DataIdentification/resourceConstraints/MD_LegalConstraints**

diagram	
annotation	documentation resource constraints details

element **MI_Metadata/identificationInfo/MD_DataIdentification/resourceConstraints/MD_LegalConstraints/accessConstraints**

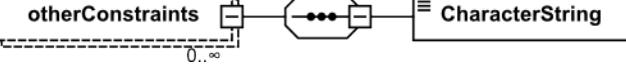
diagram	<pre> classDiagram class accessConstraints class MD_RestrictionCode accessConstraints "0..∞" -- "0..∞" MD_RestrictionCode </pre>			
type	restrictionCode			
facets	enumeration copyright enumeration patent enumeration patentPending enumeration trademark enumeration license enumeration intellectualPropertyRights enumeration restricted enumeration otherRestrictions			
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MD_RestrictionCode
	codeListValue	restrictionCode	required	value of code list
annotation	documentation	limitation(s) placed upon the access or use of the data		

element **MI_Metadata/identificationInfo/MD_DataIdentification/resourceConstraints/MD_LegalConstraints/useConstraints**

diagram	<pre> classDiagram class useConstraints class MD_RestrictionCode useConstraints "0..∞" -- "0..∞" MD_RestrictionCode </pre>			
type	MD_RestrictionCode			
facets	enumeration copyright enumeration patent enumeration patentPending enumeration trademark enumeration license enumeration intellectualPropertyRights enumeration restricted enumeration otherRestrictions			
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MD_RestrictionCode
	codeListValue	restrictionCode	required	value of code list

annotation	documentation	limitation(s) placed upon the access or use of the data
------------	---------------	---

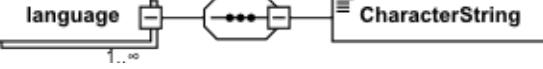
element **MI_Metadata/identificationInfo/MD_DataIdentification/resourceConstraints/MD_LegalConstraints/otherConstraints**

diagram	
type	xs:string
annotation	documentation resource constraints: other constraints

element **MI_Metadata/identificationInfo/MD_DataIdentification/spatialRepresentationType**

diagram	
type	spatialRepresentationTypeCode
facets	enumeration vector enumeration grid enumeration textTable enumeration tin enumeration stereoModel enumeration video
attribute	Name Type Use Annotation codeList xs:string required MD_SpatialRepresentationTypeCode codeListValue spatialRepresentation required value of code list TypeCode
annotation	documentation method used to represent geographic information in the dataset

element **MI_Metadata/identificationInfo/MD_DataIdentification/language**

diagram	
type	xs:language
annotation	documentation language

element MI_Metadata/identificationInfo/MD_DataIdentification/characterSet

diagram	<pre> sequenceDiagram participant characterSet participant MD_CharacterSetCode characterSet->>MD_CharacterSetCode: ... activate MD_CharacterSetCode ...->>MD_CharacterSetCode: ... deactivate MD_CharacterSetCode ... </pre>	
type	characterSetCode	
facets	enumeration ucs2 enumeration ucs4 enumeration utf7 enumeration utf8 enumeration utf16 enumeration 8859part1 enumeration 8859part2 enumeration 8859part3 enumeration 8859part4 enumeration 8859part5 enumeration 8859part6 enumeration 8859part7 enumeration 8859part8 enumeration 8859part9 enumeration 8859part10 enumeration 8859part11 enumeration 8859part12 enumeration 8859part13 enumeration 8859part14 enumeration 8859part15 enumeration 8859part16 enumeration jis enumeration shiftJIS enumeration eucJP enumeration usAscii enumeration ebcdic enumeration eucKR enumeration big6 enumeration GB2312	
attribute	Name	Type
attribute	attribute	Name

	codeList	xs:string	required	MD_CharacterSetCode
	codeListValue	characterSetCode	required	value of code list
annotation	documentation	name of the character coding standard used in the resource		

element MI_Metadata/identificationInfo/MD_DataIdentification/topicCategory

diagram	<pre> classDiagram class topicCategory { <<enumeration>> } class MD_TopicCategoryCode { <<list>> } topicCategory "0..1" --> "1" MD_TopicCategoryCode </pre>																																										
type	topicCategoryCode																																										
facets	<table> <tr><td>enumeration</td><td>farming</td></tr> <tr><td>enumeration</td><td>biota</td></tr> <tr><td>enumeration</td><td>boundaries</td></tr> <tr><td>enumeration</td><td>climatology</td></tr> <tr><td>enumeration</td><td>Meteorology</td></tr> <tr><td>enumeration</td><td>Atmosphere</td></tr> <tr><td>enumeration</td><td>economy</td></tr> <tr><td>enumeration</td><td>elevation</td></tr> <tr><td>enumeration</td><td>environment</td></tr> <tr><td>enumeration</td><td>geoscientificInformation</td></tr> <tr><td>enumeration</td><td>health</td></tr> <tr><td>enumeration</td><td>imageBaseMapsEarthCover</td></tr> <tr><td>enumeration</td><td>intelligenceMilitary</td></tr> <tr><td>enumeration</td><td>inlandWaters</td></tr> <tr><td>enumeration</td><td>location</td></tr> <tr><td>enumeration</td><td>oceans</td></tr> <tr><td>enumeration</td><td>planningCadastre</td></tr> <tr><td>enumeration</td><td>society</td></tr> <tr><td>enumeration</td><td>structure</td></tr> <tr><td>enumeration</td><td>transportation</td></tr> <tr><td>enumeration</td><td>utilitiesCommunication</td></tr> </table>	enumeration	farming	enumeration	biota	enumeration	boundaries	enumeration	climatology	enumeration	Meteorology	enumeration	Atmosphere	enumeration	economy	enumeration	elevation	enumeration	environment	enumeration	geoscientificInformation	enumeration	health	enumeration	imageBaseMapsEarthCover	enumeration	intelligenceMilitary	enumeration	inlandWaters	enumeration	location	enumeration	oceans	enumeration	planningCadastre	enumeration	society	enumeration	structure	enumeration	transportation	enumeration	utilitiesCommunication
enumeration	farming																																										
enumeration	biota																																										
enumeration	boundaries																																										
enumeration	climatology																																										
enumeration	Meteorology																																										
enumeration	Atmosphere																																										
enumeration	economy																																										
enumeration	elevation																																										
enumeration	environment																																										
enumeration	geoscientificInformation																																										
enumeration	health																																										
enumeration	imageBaseMapsEarthCover																																										
enumeration	intelligenceMilitary																																										
enumeration	inlandWaters																																										
enumeration	location																																										
enumeration	oceans																																										
enumeration	planningCadastre																																										
enumeration	society																																										
enumeration	structure																																										
enumeration	transportation																																										
enumeration	utilitiesCommunication																																										
attribute	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>codeList</td> <td>xs:string</td> <td>required</td> <td>MD_TopicCategoryCode</td> </tr> <tr> <td>codeListValue</td> <td>topicCategoryCode</td> <td>required</td> <td>value of code list</td> </tr> </tbody> </table>	Name	Type	Use	Annotation	codeList	xs:string	required	MD_TopicCategoryCode	codeListValue	topicCategoryCode	required	value of code list																														
Name	Type	Use	Annotation																																								
codeList	xs:string	required	MD_TopicCategoryCode																																								
codeListValue	topicCategoryCode	required	value of code list																																								
annotation	documentation																																										

high-level geographic data thematic classification to assist in the grouping and search of available geographic data sets. Can be used to group keywords as well. Listed examples are not exhaustive

element MI_Metadata/identificationInfo/MD_DataIdentification/environmentDescription

diagram	
type	xs:string
annotation	documentation description of the environment

element MI_Metadata/identificationInfo/MD_DataIdentification/extent

diagram	
annotation	documentation geographic extent of dataset

element MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent

diagram	
annotation	documentation geographic extent details

element MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/ description

diagram	
type	xs:string
annotation	documentation geographic extent: description

element MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/ geographicElement

diagram	
annotation	documentation geographic extent: geographic elements

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/geographicElement/EX_GeographicBoundingBox**

diagram	<pre> classDiagram class EX_GeographicBoundingBox { westBoundLongitude eastBoundLongitude southBoundLatitude northBoundLatitude } extentTypeCode "..." --> EX_GeographicBoundingBox </pre>								
attribute	<table> <thead> <tr> <th>Name</th><th>Type</th><th>Use</th><th>Annotation</th></tr> </thead> <tbody> <tr> <td>id</td><td>xs:string</td><td>required</td><td>identifier</td></tr> </tbody> </table>	Name	Type	Use	Annotation	id	xs:string	required	identifier
Name	Type	Use	Annotation						
id	xs:string	required	identifier						
annotation	documentation geographic extent: bounding box								

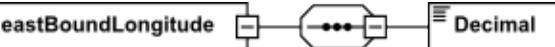
element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/geographicElement/EX_GeographicBoundingBox/extentTypeCode**

diagram	<pre> classDiagram extentTypeCode --> Boolean </pre>
type	xs:Boolean
annotation	documentation geographic bounding box: extent type code

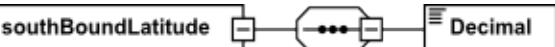
element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/geographicElement/EX_GeographicBoundingBox/westBoundLongitude**

diagram	<pre> classDiagram westBoundLongitude --> Decimal </pre>
type	xs:decimal
annotation	documentation geographic bounding box: west bound longitude

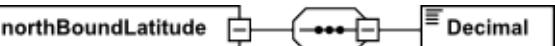
element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/geographicElement/EX_GeographicBoundingBox/eastBoundLongitude**

diagram	
type	xs:decimal
annotation	documentation geographic bounding box: east bound longitude

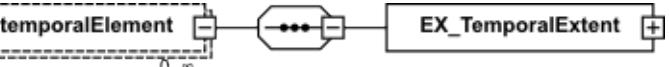
element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/geographicElement/EX_GeographicBoundingBox/southBoundLatitude**

diagram	
type	xs:decimal
annotation	documentation geographic bounding box: south bound latitude

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/geographicElement/EX_GeographicBoundingBox/northBoundLatitude**

diagram	
type	xs:decimal
annotation	documentation geographic bounding box: north bound latitude

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/temporalElement**

diagram	
annotation	documentation geographic extent: temporal element

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/temporalElement/EX_TemporalExtent**

diagram	
annotation	documentation temporal extent details

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/temporalElement/EX_TemporalExtent/extent**

diagram	
annotation	documentation temporal extent

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/temporalElement/EX_TemporalExtent/extent/TimePeriod**

diagram	<pre> classDiagram class TimePeriod { description beginPosition endPosition } TimePeriod "2..3" *--> "1..1" TimePeriod </pre>
type	xs:string
annotation	documentation time period details

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/temporalElement/EX_TemporalExtent/extent/TimePeriod/description**

diagram	<pre> classDiagram class TimePeriod { description } </pre>
type	xs:string
annotation	documentation time period: description

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/temporalElement/EX_TemporalExtent/extent/TimePeriod/beginPosition**

diagram	<pre> classDiagram class TimePeriod { beginPosition } </pre>
type	xs:string
annotation	documentation time period: begin position

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/EX_Extent/temporalElement/EX_TemporalExtent/extent/TimePeriod/endPosition**

diagram	<pre> classDiagram class TimePeriod { endPosition } </pre>
type	xs:string
annotation	documentation time period: end position

element **MI_Metadata/identificationInfo/MD_DataIdentification/extent/supplementalInformation**

diagram	<pre> sequenceDiagram participant A as supplementalInformation participant B as CharacterString A->>B: ... activate B B-->>A: ... deactivate B </pre>
annotation	documentation supplemental information

3.1.11 contentInfo

element **MI_Metadata/contentInfo**

diagram	<pre> sequenceDiagram participant A as contentInfo participant B as MD_CoverageDescription A->>B: ... activate B B-->>A: ... deactivate B </pre>
annotation	documentation content information

element **MI_Metadata/contentInfo/MD_CoverageDescription**

diagram	<pre> classDiagram MD_CoverageDescription < -- attributeDescription MD_CoverageDescription < -- contentType MD_CoverageDescription < -- dimension </pre>
annotation	documentation coverage description

element **MI_Metadata/contentInfo/MD_CoverageDescription/attributeDescription**

diagram	<pre> sequenceDiagram participant A as attributeDescription participant B as RecordType A->>B: ... activate B B-->>A: ... deactivate B </pre>
type	xs:string
annotation	documentation attribute description

element **MI_Metadata/contentInfo/MD_CoverageDescription/contentType**

diagram	<pre> sequenceDiagram participant A as contentType participant B as MD_CoverageContentTypeCode A->>B: ... activate B B-->>A: ... deactivate B </pre>								
type	coverageContentTypeCode								
facets	<table> <tr> <td>enumeration</td> <td>image</td> </tr> <tr> <td>enumeration</td> <td>thematicClassification</td> </tr> <tr> <td>enumeration</td> <td>physicalMeasurement</td> </tr> <tr> <td>enumeration</td> <td>referenceInformation</td> </tr> </table>	enumeration	image	enumeration	thematicClassification	enumeration	physicalMeasurement	enumeration	referenceInformation
enumeration	image								
enumeration	thematicClassification								
enumeration	physicalMeasurement								
enumeration	referenceInformation								

	enumeration	auxiliaryData		
	enumeration	qualityInformation		
	enumeration	modelResult		
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MD_CoverageContent TypeCode
	codeListValue	coverageContentTypeCode	required	value of code list
annotation	documentation	specific type of information represented in the cell		

element MI_Metadata/contentInfo/MD_CoverageDescription/dimension

diagram	<pre> classDiagram class dimension class MI_Band dimension "1..*" --> MI_Band </pre>
annotation	documentation band information

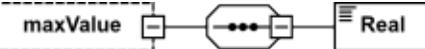
element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band**

diagram	<pre> classDiagram class MI_Band { <<1..∞>> descriptor + maxValue + minValue + meanValue + standardDeviation + <<transmittedPolarisation>> <<detectedPolarisation>> otherPropertyType + <<0..∞>> otherProperty 0..∞ } </pre>
annotation	documentation band parameters

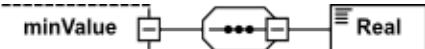
element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/ descriptor**

diagram	<pre> classDiagram class descriptor + <<CharacterString>> </pre>
type	xs:string
annotation	documentation band parameters: descriptor

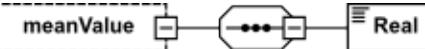
element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/maxValue**

diagram	
type	xs:float
annotation	documentation band parameters: maximum value

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/minValue**

diagram	
type	xs:float
annotation	documentation band parameters: minimum value

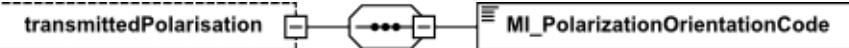
element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/meanValue**

diagram	
type	xs:float
annotation	documentation band parameters: mean value

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/standardDeviation**

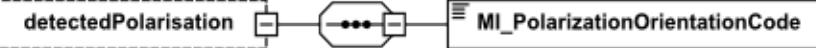
diagram	
type	xs:float
annotation	documentation band parameters: standard deviation

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/transmittedPolarisation**

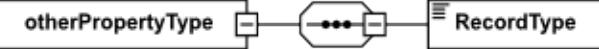
diagram	
type	polarizationOrientationCode
facets	enumeration horizontal enumeration vertical enumeration leftCircular enumeration rightCircular

	enumeration	theta		
	enumeration	phi		
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MI_PolarizationOrientationCode
	codeListValue	polarizationOrientationCode	required	value of code list
annotation	documentation	band parameters: polarization of the antenna relative to the waveform		

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/ detectedPolarisation**

diagram	
type	polarizationOrientationCode
facets	enumeration horizontal enumeration vertical enumeration leftCircular enumeration rightCircular enumeration theta enumeration phi
attribute	Name Type Use Annotation codeList xs:string required MI_PolarizationOrientationCode codeListValue polarizationOrientationCode required value of code list
annotation	documentation band parameters: polarization of the antenna relative to the waveform

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/ other.PropertyType**

diagram	
type	xs:string
attribute	Name Type Use Annotation href xlink:href required EOS Additional Attributes
annotation	documentation other property type – EOS additional attributes

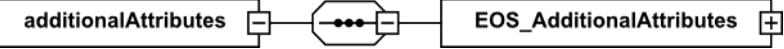
element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty**

diagram	
annotation	documentation other property – additional attributes

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record**

diagram	
annotation	documentation other property record

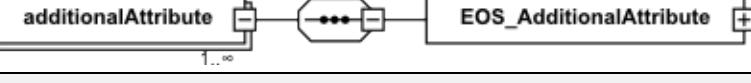
element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes**

diagram	
annotation	documentation additional attributes

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes**

diagram	
annotation	documentation EOS additional attributes

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute**

diagram	
annotation	documentation additionalAttribute

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute**

diagram	<pre> graph LR EA[EOS_AdditionalAttribute] --- MM(()) MM --- R[reference] MM --- V[value] </pre>
annotation	documentation EOS_AdditionalAttribute

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference**

diagram	<pre> graph LR R[reference] --- MM(()) MM --- EAD[EOS_AdditionalAttributeDescription] </pre>
annotation	documentation additional attribute reference

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription**

diagram	<pre> graph LR EAD[EOS_AdditionalAttributeDescription] --- MM(()) MM --- T[type] MM --- N[name] MM --- D[description] MM --- DT[dataType] MM --- PUM[parameterUnitsOfMeasure] </pre>
annotation	documentation cell geometry

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/type**

diagram				
type	additionalAttributeTypeCode			
facets	enumeration spatialInformation enumeration acquisitionInformation			
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	EOS_AdditionalAttributeTypeCode
	codeListValue	EOS_AdditionalAttributeTypeCode	required	value of code list
annotation	documentation	additional attribute: type		

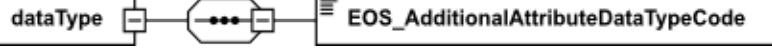
element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/name**

diagram				
type	xs:string			
annotation	documentation	additional attribute: name		

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/description**

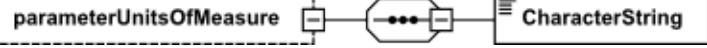
diagram				
type	xs:string			
annotation	documentation	additional attribute: description		

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/dataType**

diagram																					
type	additionalAttributeDataTypeCode																				
facets	<table> <tr> <td>enumeration</td> <td>STRING</td> </tr> <tr> <td>enumeration</td> <td>FLOAT</td> </tr> <tr> <td>enumeration</td> <td>INT</td> </tr> <tr> <td>enumeration</td> <td>BOOLEAN</td> </tr> <tr> <td>enumeration</td> <td>DATE</td> </tr> <tr> <td>enumeration</td> <td>TIME</td> </tr> <tr> <td>enumeration</td> <td>DATETIME</td> </tr> <tr> <td>enumeration</td> <td>DATE_STRING</td> </tr> <tr> <td>enumeration</td> <td>TIME_STRING</td> </tr> <tr> <td>enumeration</td> <td>DATETIME_STRING</td> </tr> </table>	enumeration	STRING	enumeration	FLOAT	enumeration	INT	enumeration	BOOLEAN	enumeration	DATE	enumeration	TIME	enumeration	DATETIME	enumeration	DATE_STRING	enumeration	TIME_STRING	enumeration	DATETIME_STRING
enumeration	STRING																				
enumeration	FLOAT																				
enumeration	INT																				
enumeration	BOOLEAN																				
enumeration	DATE																				
enumeration	TIME																				
enumeration	DATETIME																				
enumeration	DATE_STRING																				
enumeration	TIME_STRING																				
enumeration	DATETIME_STRING																				

attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	EOS_AdditionalAttribute Data-Type Code
	codeListValue	additionalAttribute Data-Type Code	required	value of code list
annotation	documentation additional attribute: data type			

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/reference/EOS_AdditionalAttributeDescription/parameterUnitsOfMeasure**

diagram	
type	xs:string
annotation	documentation additional attribute: parameter units of measure

element **MI_Metadata/contentInfo/MD_CoverageDescription/dimension/MI_Band/otherProperty/Record/additionalAttributes/EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/value**

diagram	<pre> classDiagram class CharacterString class Real class Integer class Boolean value "0..1" --> "1..3" CharacterString value "0..1" --> "1..3" Real value "0..1" --> "1..3" Integer CharacterString "0..1" --> "1..3" Boolean Real "0..1" --> "1..3" Boolean Integer "0..1" --> "1..3" Boolean </pre>
type	xs:string, xs:float, xs:int or xs:Boolean
annotation	documentation additional attribute: value

3.1.12 distributionInfo

element **MI_Metadata/distributionInfo**

diagram	<pre> classDiagram class distributionInfo class MD_Distribution class ... class "+" distributionInfo "0..1" --> "1..3" ... distributionInfo "0..1" --> "1..3" MD_Distribution distributionInfo "0..1" --> "1..3" "+" MD_Distribution "0..1" --> "1..3" ... </pre>
annotation	documentation distribution information

element **MI_Metadata/distributionInfo/MD_Distribution**

diagram	<pre> classDiagram class MD_Distribution class distributionFormat class distributor MD_Distribution "0..1" --> "1..2" distributionFormat MD_Distribution "0..1" --> "1..2" distributor </pre>
annotation	documentation distribution information details

element **MI_Metadata/distributionInfo/MD_Distribution/distributionFormat**

diagram	<pre> classDiagram class distributionFormat class MD_Format class ... class "+" distributionFormat "0..1" --> "1..3" ... distributionFormat "0..1" --> "1..3" MD_Format distributionFormat "0..1" --> "1..3" "+" MD_Format "0..1" --> "1..3" ... </pre>
annotation	documentation distribution format

element MI_Metadata/distributionInfo/MD_Distribution/distributionFormat/MD_Format

diagram	<pre> graph LR MD_Format[MD_Format] -- "0..1" --> SC1(()) SC1 --- name[name] SC1 --- version[version] </pre>
annotation	documentation distribution format details

element MI_Metadata/distributionInfo/MD_Distribution/distributionFormat/MD_Format/name

diagram	<pre> graph LR name[name] -- "0..1" --> SC2(()) SC2 --- CS[CharacterString] </pre>
type	xs:string
annotation	documentation name of the data format

element MI_Metadata/distributionInfo/MD_Distribution/distributionFormat/MD_Format/version

diagram	<pre> graph LR version[version] -- "0..1" --> SC3(()) SC3 --- CS[CharacterString] </pre>
type	xs:string
annotation	documentation version of the data format

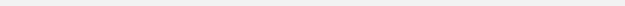
element MI_Metadata/distributionInfo/MD_Distribution/distributor

diagram	<pre> graph LR distributor[distributor] -- "0..1" --> SC4(()) SC4 --- MD_Distributor[MD_Distributor] </pre>
annotation	documentation distributor information

element MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor

diagram	<pre> graph LR MD_Distributor[MD_Distributor] -- "0..1" --> SC5(()) SC5 --- distributorContact[distributorContact] SC5 --- distributionOrderProcess[distributionOrderProcess] </pre>
annotation	documentation distributor information details

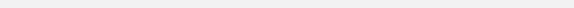
element MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact

diagram	
annotation	documentation distribution contact information

element MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibeParty

diagram	<pre> classDiagram class CI_ResponsibleParty class contactInfo class organisationName CI_ResponsibleParty "1..*" --> "1..*" contactInfo CI_ResponsibleParty "1..*" --> "1..*" organisationName </pre> <p>The diagram illustrates a UML Class Diagram. It features three classes: CI_ResponsibleParty, contactInfo, and organisationName. The CI_ResponsibleParty class is connected to both contactInfo and organisationName classes via associations. Each association is marked with a multiplicity of 1..* at the end connected to CI_ResponsibleParty, indicating that one instance of CI_ResponsibleParty can be associated with multiple instances of either contactInfo or organisationName.</p>
annotation	documentation distribution: responsible party

element MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibeParty/organisationName

diagram	
type	xs:string
annotation	documentation distribution: name of organization

element MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ ResponsibleParty/contactInfo

diagram	
annotation	documentation distribution contact information

element MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibileParty/contactInfo/CI_Contact

diagram	 <pre> graph LR CI_Contact[CI_Contact] --> phone[phone] CI_Contact --> address[address] </pre>
annotation	documentation distribution contact information details

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/phone**

diagram	
annotation	documentation distribution contact: phone information

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/phone/CI_Telephone**

diagram	
annotation	documentation distribution contact: telephone information details

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/phone/CI_Telephone/voice**

diagram	
type	xs:string
annotation	documentation distribution contact: phone number

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/phone/CI_Telephone/facsimile**

diagram	
type	xs:string
annotation	documentation distribution contact: fax number

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/address**

diagram	
annotation	documentation distribution contact: address information

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address**

diagram	<pre> classDiagram class CI_Address class deliveryPoint class city class administrativeArea class postalCode class country class electronicEmailAddress CI_Address "0..oo" *-- "*" deliveryPoint CI_Address "0..oo" *-- "*" city CI_Address "0..oo" *-- "*" administrativeArea CI_Address "0..oo" *-- "*" postalCode CI_Address "0..oo" *-- "*" country CI_Address "0..oo" *-- "*" electronicEmailAddress </pre>
annotation	documentation distribution contact: address information details

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/deliveryPoint**

diagram	<pre> classDiagram class deliveryPoint class CharacterString deliveryPoint "0..oo" *-- "*" CharacterString </pre>
type	xs:string
annotation	documentation distribution contact: physical address

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/city**

diagram	<pre> classDiagram class city class CharacterString city "0..oo" *-- "*" CharacterString </pre>
type	xs:string
annotation	documentation distribution contact: city

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/administrativeArea**

diagram	
type	xs:string
annotation	documentation distribution contact: administrative area

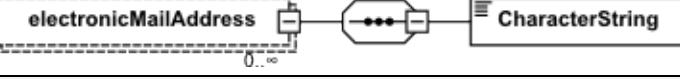
element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/postalCode**

diagram	
type	xs:string
annotation	documentation distribution contact: postal code

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/country**

diagram	
type	xs:string
annotation	documentation distribution contact: country

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/contactInfo/CI_Contact/address/CI_Address/electronicMailAddress**

diagram	
type	xs:string
annotation	documentation distribution contact: email address

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributorContact/CI_ResponsibleParty/role**

diagram	<pre> classDiagram class role class CI_RoleCode role "0..1" --> "1" CI_RoleCode </pre>			
type	roleCode			
facets	enumeration resourceProvider enumeration custodian enumeration owner enumeration sponsor enumeration user enumeration distributor enumeration originator enumeration pointOfContact enumeration principalInvestigator enumeration processor enumeration publisher enumeration author enumeration collaborator			
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	CI_RoleCode
	codeListValue	roleCode	required	value from code list
annotation	documentation	function performed by the responsible party		

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributionOrderProcess**

diagram	<pre> classDiagram class distributionOrderProcess class MD_StandardOrderProcess distributionOrderProcess "0..1" --> "1" MD_StandardOrderProcess </pre>			
annotation	distribution order process information			

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributionOrderProcess/MD_StandardOrderProcess**

diagram	<pre> classDiagram class MD_StandardOrderProcess class fees MD_StandardOrderProcess "0..1" --> "1" fees </pre>			
annotation	distribution order process details			

element **MI_Metadata/distributionInfo/MD_Distribution/distributor/MD_Distributor/distributionOrderProcess/MD_StandardOrderProcess/fees**

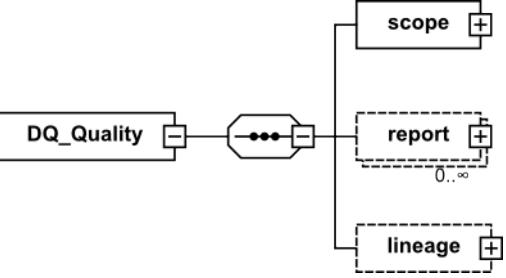
diagram	
type	xs:string
annotation	documentation distribution order process: fees

3.1.13 dataQualityInfo

element **MI_Metadata/dataQualityInfo**

diagram	
annotation	documentation data quality information

element **MI_Metadata/dataQualityInfo/DQ_Quality**

diagram	
annotation	documentation data quality information details

element **MI_Metadata/dataQualityInfo/DQ_Quality/scope**

diagram	
annotation	documentation data quality: scope

element **MI_Metadata/dataQualityInfo/DQ_Quality/scope/DQ_Scope**

diagram	
annotation	documentation data quality: scope details

element MI_Metadata/dataQualityInfo/DQ_Quality/scope/DQ_Scope/level

diagram	<pre> graph LR level[Level] --- dots1((...)) dots1 --- dots2((...)) dots2 --- MD_ScopeCode[MD_ScopeCode] </pre>			
type	scopeCode			
facets	enumeration	attribute		
	enumeration	attributeType		
	enumeration	collectionHardware		
	enumeration	collectionSession		
	enumeration	dataset		
	enumeration	series		
	enumeration	nonGeographicDataset		
	enumeration	dimensionGroup		
	enumeration	feature		
	enumeration	featureType		
	enumeration	propertyType		
	enumeration	fieldSession		
	enumeration	software		
	enumeration	service		
	enumeration	model		
	enumeration	tile		
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MD_ScopeCode
	codeListValue	scopeCode	required	value from code list
annotation	documentation	class of information to which the referencing entity applies		

element **MI_Metadata/dataQualityInfo/DQ_Quality/report**

diagram	 <p>The diagram illustrates a sequence of nodes connected by arrows. It starts with a rectangular node labeled "report" with a small arrow pointing to it. A horizontal dashed line extends from the right side of the "report" node. A second node, represented by a rectangle containing three vertical dots (...), is connected to the dashed line via a small arrow. A third node, a rectangle labeled "DQ_QuantitativeAttributeAccuracy", is connected to the second node via another small arrow. The entire sequence is enclosed within a large rectangular frame.</p>
annotation	documentation data quality report

element **MI_Metadata/dataQualityInfo/DQ_Quality/report/
DQ_QuantitativeAttributeAccuracy**

diagram	<pre> classDiagram class DQ_QuantitativeAttributeAccuracy { <<...>> } class nameOfMeasure { <<...>> } class evaluationMethodType { <<...>> } class result { <<...>> } DQ_QuantitativeAttributeAccuracy "1..2" *-- "0..∞" nameOfMeasure DQ_QuantitativeAttributeAccuracy "1..2" *-- "0..∞" evaluationMethodType DQ_QuantitativeAttributeAccuracy "1..2" *-- "1..2" result </pre>
annotation	documentation quantitative attribute accuracy details

element **MI_Metadata/dataQualityInfo/DQ_Quality/report/
DQ_QuantitativeAttributeAccuracy/nameOfMeasure**

diagram	<pre> classDiagram class nameOfMeasure { <<...>> } class CharacterString { <<...>> } nameOfMeasure "0..∞" *-- "1..2" CharacterString </pre>
annotation	documentation name of the test

element **MI_Metadata/dataQualityInfo/DQ_Quality/report/
DQ_QuantitativeAttributeAccuracy/evaluationMethodType**

diagram	<pre> classDiagram class evaluationMethodType { <<...>> } class DQ_EvaluationMethodTypeCode { <<...>> } evaluationMethodType "1..2" *-- "1..2" DQ_EvaluationMethodTypeCode </pre>												
type	evaluationMethodTypeCode												
facets	enumeration directInternal enumeration directExternal enumeration indirect												
attribute	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>codeList</td> <td>xs:string</td> <td>required</td> <td>DQ_EvaluationMethodTypeCode</td> </tr> <tr> <td>codeListValue</td> <td>evaluationMethodTypeCode</td> <td>required</td> <td>value from code list</td> </tr> </tbody> </table>	Name	Type	Use	Annotation	codeList	xs:string	required	DQ_EvaluationMethodTypeCode	codeListValue	evaluationMethodTypeCode	required	value from code list
Name	Type	Use	Annotation										
codeList	xs:string	required	DQ_EvaluationMethodTypeCode										
codeListValue	evaluationMethodTypeCode	required	value from code list										
annotation	documentation type or method for evaluating an identified data quality measure												

element **MI_Metadata/dataQualityInfo/DQ_Quality/report/
DQ_QuantitativeAttributeAccuracy/result**

diagram	<pre> sequenceDiagram participant result participant DQ_QuantitativeResult result->>DQ_QuantitativeResult: activate DQ_QuantitativeResult ... deactivate DQ_QuantitativeResult </pre>
annotation	documentation test results

element **MI_Metadata/dataQualityInfo/DQ_Quality/report/
DQ_QuantitativeAttributeAccuracy/result/DQ_QuantitativeResult**

diagram	<pre> sequenceDiagram participant DQ_QuantitativeResult participant valueUnit participant value DQ_QuantitativeResult->>valueUnit: activate valueUnit ... deactivate valueUnit valueUnit-->>value: activate value ... deactivate value </pre>
annotation	documentation quantitative results

element **MI_Metadata/dataQualityInfo/DQ_Quality/report/
DQ_QuantitativeAttributeAccuracy/result/DQ_QuantitativeResult/valueUnit**

diagram	<pre> sequenceDiagram participant valueUnit </pre>
annotation	documentation quantitative results: value unit

element **MI_Metadata/dataQualityInfo/DQ_Quality/report/
DQ_QuantitativeAttributeAccuracy/result/DQ_QuantitativeResult/value**

diagram	<pre> sequenceDiagram participant value participant Record value->>Record: activate Record ... deactivate Record </pre>
annotation	documentation quantitative results: value

element **MI_Metadata/dataQualityInfo/DQ_Quality/report/
DQ_QuantitativeAttributeAccuracy/result/DQ_QuantitativeResult/value/Record**

diagram	<pre> classDiagram class Record { <<Record>> } class CharacterString { <<CharacterString>> } class Real { <<Real>> } class Integer { <<Integer>> } Record "1..*" --> "0..1" CharacterString Record "1..*" --> "0..1" Real Record "1..*" --> "0..1" Integer </pre>
annotation	documentation quantitative results: value record details

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage**

diagram	<pre> classDiagram class lineage { <<lineage>> } class LI_Lineage { <<LI_Lineage>> } lineage "1..*" --> "0..1" LI_Lineage </pre>
annotation	documentation lineage information

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage**

diagram	<pre> classDiagram class LI_Lineage { <<LI_Lineage>> } class statement { <<statement>> } class processStep { <<processStep>> } class source { <<source>> } LI_Lineage "1..*" --> "0..1" statement LI_Lineage "1..*" --> "0..1" processStep LI_Lineage "1..*" --> "0..1" source </pre>
annotation	documentation lineage information details

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/statement**

diagram	<pre> classDiagram class statement { <<statement>> } class CharacterString { <<CharacterString>> } statement "1..*" --> "0..1" CharacterString </pre>
type	xs:string
annotation	documentation lineage: statement

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep**

diagram	
annotation	documentation lineage: processing step information

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep**

diagram	
annotation	documentation lineage: processing step information details

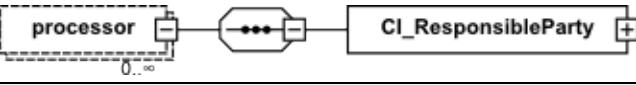
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/description**

diagram	
type	xs:string
annotation	documentation processing step: description

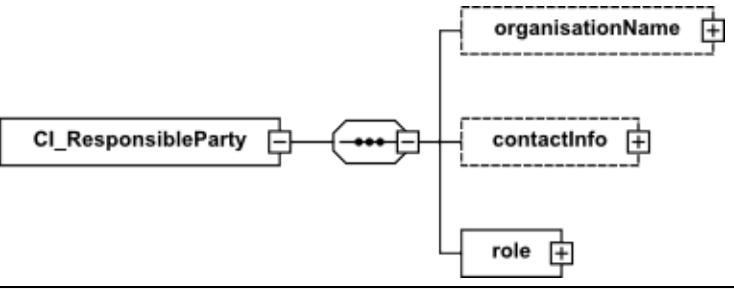
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/dateTime**

diagram	
type	xs:date
annotation	documentation processing step: time stamp

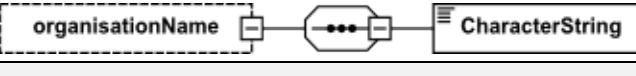
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processor**

diagram	
annotation	documentation processing step: processor

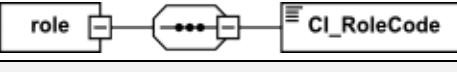
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processor/CI_ResponsibleParty**

diagram	
annotation	documentation processing step: responsible party

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processor/CI_ResponsibleParty/organisationName**

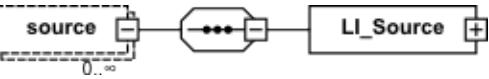
diagram	
type	xs:string
annotation	documentation

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processor/CI_ResponsibleParty/role**

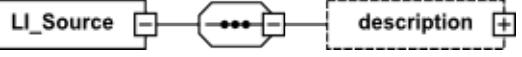
diagram															
type	roleCode														
facets	<table> <tr> <td>enumeration</td> <td>resourceProvider</td> </tr> <tr> <td>enumeration</td> <td>custodian</td> </tr> <tr> <td>enumeration</td> <td>owner</td> </tr> <tr> <td>enumeration</td> <td>sponsor</td> </tr> <tr> <td>enumeration</td> <td>user</td> </tr> <tr> <td>enumeration</td> <td>distributor</td> </tr> <tr> <td>enumeration</td> <td>originator</td> </tr> </table>	enumeration	resourceProvider	enumeration	custodian	enumeration	owner	enumeration	sponsor	enumeration	user	enumeration	distributor	enumeration	originator
enumeration	resourceProvider														
enumeration	custodian														
enumeration	owner														
enumeration	sponsor														
enumeration	user														
enumeration	distributor														
enumeration	originator														

	enumeration	pointOfContact			
	enumeration	principalInvestigator			
	enumeration	processor			
	enumeration	publisher			
	enumeration	author			
	enumeration	collaborator			
attribute	Name	Type	Use	Annotation	
	codeList	xs:string	required	CI_RoleCode	
	codeListValue	roleCode	required	value from code list	
annotation	documentation	function performed by the responsible party			

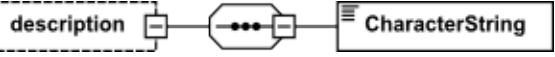
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/source**

diagram	
annotation	documentation processing step: source

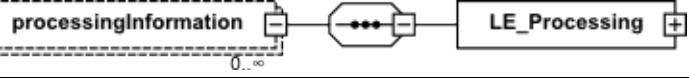
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/source/LI_Source**

diagram	
annotation	documentation processing step: source details

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/source/LI_Source/description**

diagram	
type	xs:string
annotation	documentation processing step: source description

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation**

diagram	
annotation	documentation processing step: processing information

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing**

diagram	<pre> classDiagram class LE_Processing class identifier class softwareReference class procedureDescription LE_Processing "1" -- "*" identifier LE_Processing "*" -- "0..*" softwareReference identifier "*" -- "1" procedureDescription </pre>
annotation	documentation processing step: processing information details

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/identifier**

diagram	<pre> classDiagram class identifier class MD_Identifier identifier "*" -- "1" MD_Identifier </pre>
annotation	documentation processing information: identifier

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/identifier/MD_Identifier**

diagram	<pre> classDiagram class MD_Identifier class code MD_Identifier "*" -- "1" code </pre>
annotation	documentation processing information: identifier details

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/identifier/MD_Identifier/code**

diagram	<pre> classDiagram class code class CharacterString code "*" -- "1" CharacterString </pre>
type	xs:string
annotation	documentation processing information: identifier code

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/softwareReference**

diagram	<pre> classDiagram class softwareReference class CI_Citation softwareReference "*" -- "1" CI_Citation </pre>
annotation	documentation software reference

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/softwareReference/CI_Citation**

diagram	<pre> classDiagram class CI_Citation class title class date class edition class citedResponsibleParty CI_Citation "1..<oo>" -- "*" date CI_Citation "1..<oo>" -- "*" edition date "*" -- "0..<oo>" citedResponsibleParty </pre>
annotation	documentation source citation information

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/softwareReference/CI_Citation/title**

diagram	<pre> classDiagram class title class CharacterString title "1..<oo>" -- "*" ... title -- "*" CharacterString title -- "*" ... </pre>
type	xs:string
annotation	documentation software reference: title

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/softwareReference/CI_Citation/date**

diagram	<pre> classDiagram class date class DateTime date "1..<oo>" -- "*" ... date -- "*" DateTime date -- "*" ... </pre>
type	xs:date
annotation	documentation software reference: time stamp

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/softwareReference/CI_Citation/edition**

diagram	<pre> classDiagram class edition class CharacterString edition "1..<oo>" -- "*" ... edition -- "*" CharacterString edition -- "*" ... </pre>
type	xs:string
annotation	documentation software reference: edition

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/softwareReference/CI_Citation/citedResponsibleParty**

diagram	<pre> classDiagram class citedResponsibleParty class CI_ResponsibleParty citedResponsibleParty "0..1" *--> "many" CI_ResponsibleParty </pre>
annotation	documentation software reference: responsible party

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/softwareReference/CI_Citation/citedResponsibleParty/CI_ResponsibleParty**

diagram	<pre> classDiagram class CI_ResponsibleParty class organisationName CI_ResponsibleParty "0..1" *--> "many" organisationName organisationName --> role </pre>
annotation	documentation software reference: responsible party details

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/softwareReference/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/organisationName**

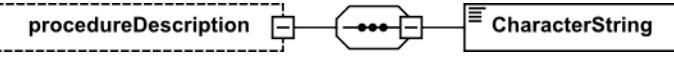
diagram	<pre> classDiagram class organisationName class CharacterString organisationName "0..1" *--> "many" CharacterString </pre>
type	xs:string
annotation	documentation software reference: name of responsible organization

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/softwareReference/CI_Citation/citedResponsibleParty/CI_ResponsibleParty/role**

diagram	<pre> classDiagram class role class CI_RoleCode role "0..1" *--> "many" CI_RoleCode </pre>												
type	roleCode												
facets	<table> <tr> <td>enumeration</td> <td>resourceProvider</td> </tr> <tr> <td>enumeration</td> <td>custodian</td> </tr> <tr> <td>enumeration</td> <td>owner</td> </tr> <tr> <td>enumeration</td> <td>sponsor</td> </tr> <tr> <td>enumeration</td> <td>user</td> </tr> <tr> <td>enumeration</td> <td>distributor</td> </tr> </table>	enumeration	resourceProvider	enumeration	custodian	enumeration	owner	enumeration	sponsor	enumeration	user	enumeration	distributor
enumeration	resourceProvider												
enumeration	custodian												
enumeration	owner												
enumeration	sponsor												
enumeration	user												
enumeration	distributor												

	enumeration	originator			
	enumeration	pointOfContact			
	enumeration	principalInvestigator			
	enumeration	processor			
	enumeration	publisher			
	enumeration	author			
	enumeration	collaborator			
attribute	Name	Type	Use	Annotation	
	codeList	xs:string	required	CI_RoleCode	
	codeListValue	roleCode	required	value from code list	
annotation	documentation	function performed by the responsible party			

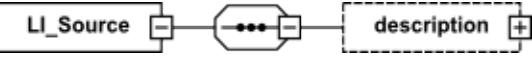
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/processingInformation/LE_Processing/procedureDescription**

diagram	
annotation	documentation

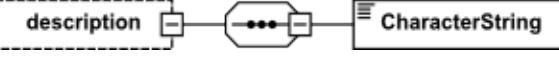
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/output**

diagram	
annotation	documentation

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/output/LE_Source**

diagram	
annotation	documentation processing step: source details

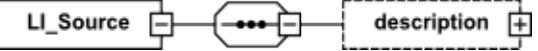
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/processStep/LE_ProcessStep/output/LE_Source/description**

diagram	
type	xs:string
annotation	documentation processing step: source description

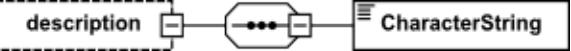
element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/source**

diagram	
annotation	documentation lineage: source

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/source/LI_Source**

diagram	
annotation	documentation lineage: source details

element **MI_Metadata/dataQualityInfo/DQ_Quality/lineage/LI_Lineage/source/LI_Source/description**

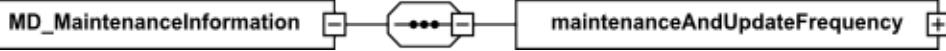
diagram	
type	xs:string
annotation	documentation lineage: source description

3.1.14 metadataMaintenance

element **MI_Metadata/metadataMaintenance**

diagram	
annotation	documentation metadata maintenance information

element **MI_Metadata/metadataMaintenance/MD_MaintenanceInformation**

diagram	
annotation	documentation metadata maintenance details

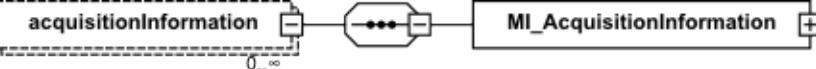
element **MI_Metadata/metadataMaintenance/MD_MaintenanceInformation/maintenanceAndUpdateFrequency**

diagram	
type	maintenanceFrequencyCode
facets	enumeration continual enumeration daily enumeration weekly

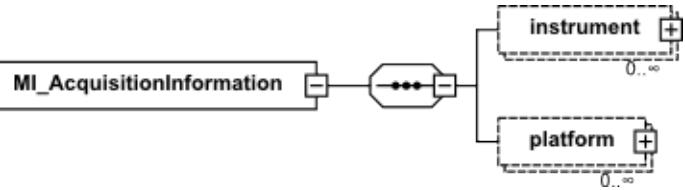
	enumeration	fortnightly		
	enumeration	monthly		
	enumeration	quarterly		
	enumeration	biannually		
	enumeration	annually		
	enumeration	asNeeded		
	enumeration	irregular		
	enumeration	notPlanned		
	enumeration	unknown		
attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	MD_MaintenanceFrequencyCode
	codeListValue	maintenance FrequencyCode	required	value of code list
annotation	documentation	frequency with which modifications and deletions are made to the data after it is first produced		

3.1.15 acquisitionInformation

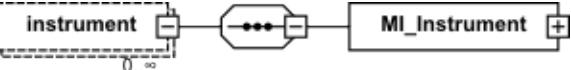
element MI_Metadata/acquisitionInformation

diagram	
annotation	documentation acquisition information

element MI_Metadata/acquisitionInformation/MI_AcquisitionInformation

diagram	
annotation	documentation acquisition information details

element MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/instrument

diagram	
annotation	documentation acquisition information: instrument

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/instrument/MI_Instrument**

diagram	<pre> classDiagram class MI_Instrument class identifier class type class mountedOn MI_Instrument "1" -- "*" identifier MI_Instrument "1" -- "*" type identifier "1" -- "*" mountedOn </pre>				
attribute	Name	Type	Use	Annotation	
	id	xs:string	required	instrument ID	
annotation	documentation acquisition information: instrument details				

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/instrument/MI_Instrument/identifier**

diagram	<pre> classDiagram class identifier class MD_Identifier class code identifier "1" -- "*" MD_Identifier identifier "1" -- "*" code </pre>				
annotation	documentation instrument: identifier				

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/instrument/MI_Instrument/identifier/MD_Identifier**

diagram	<pre> classDiagram class MD_Identifier class code MD_Identifier "1" -- "*" code </pre>				
annotation	documentation instrument: identifier details				

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/instrument/MI_Instrument/identifier/MD_Identifier/code**

diagram	<pre> classDiagram class code class CharacterString code "1" -- "*" CharacterString </pre>				
type	xs:string				
annotation	documentation instrument: code				

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/instrument/MI_Instrument/type**

diagram	
type	xs:string
annotation	documentation instrument: type

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/instrument/MI_Instrument/mountedOn**

diagram									
attribute	<table> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Annotation</th> </tr> <tr> <td>href</td> <td>xs:string</td> <td>required</td> <td>link to platform ID</td> </tr> </table>	Name	Type	Use	Annotation	href	xs:string	required	link to platform ID
Name	Type	Use	Annotation						
href	xs:string	required	link to platform ID						
annotation	documentation instrument: mounted on								

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/platform**

diagram	
annotation	documentation acquisition information: platform

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/platform/EOS_Platform**

diagram									
attribute	<table> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Annotation</th> </tr> <tr> <td>id</td> <td>xs:string</td> <td>required</td> <td>platform ID</td> </tr> </table>	Name	Type	Use	Annotation	id	xs:string	required	platform ID
Name	Type	Use	Annotation						
id	xs:string	required	platform ID						
annotation	documentation acquisition information: platform details								

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/platform/**
EOS_Platform/identifier

diagram	
annotation	documentation platform: identifier

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/platform/**
EOS_Platform/identifier/MD_Identifier

diagram	
annotation	documentation platform: identifier details

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/platform/**
EOS_Platform/identifier/MD_Identifier/code

diagram	
type	xs:string
annotation	documentation platform: identifier code

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/platform/**
EOS_Platform/description

diagram	
type	xs:string
annotation	documentation platform: description

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/platform/**
EOS_Platform/instrument

diagram	
attribute	Name Type Use Annotation href xs:string required link to instrument ID
annotation	documentation platform: link to instrument

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherPropertyType

diagram									
type	xs:string								
attribute	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>href</td> <td>xlink:href</td> <td>required</td> <td>EOS Additional Attributes</td> </tr> </tbody> </table>	Name	Type	Use	Annotation	href	xlink:href	required	EOS Additional Attributes
Name	Type	Use	Annotation						
href	xlink:href	required	EOS Additional Attributes						
annotation	documentation other property type – EOS additional attributes								

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty

diagram	
annotation	documentation other property – additional attributes

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
otherProperty/Record

diagram	
annotation	documentation other property record

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes

diagram	
annotation	documentation additional attributes

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes

diagram	
annotation	documentation EOS additional attributes

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute

diagram	<pre> classDiagram class additionalAttribute class EOS_additionalAttribute { +attribute } additionalAttribute "1..*" --> "*" EOS_additionalAttribute </pre>
annotation	documentation additionalAttribute

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute/**EOS_AdditionalAttribute**

diagram	<pre> classDiagram class EOS_additionalAttribute { +reference +value } EOS_additionalAttribute --> "*" reference EOS_additionalAttribute --> "*" value </pre>
annotation	documentation EOS_AdditionalAttribute

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute/**EOS_AdditionalAttribute/**
reference

diagram	<pre> classDiagram class reference class EOS_additionalAttributeDescription { +attribute } reference --> "*" EOS_additionalAttributeDescription </pre>
annotation	documentation additional attribute reference

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute/
EOS_Attribute/reference/
EOS_AttributeDescription

diagram	<pre> classDiagram class EOS_AttributeDescription { type name description dataType parameterUnitsOfMeasure } EOS_AttributeDescription "..." *--> "..." class </pre>
annotation	documentation cell geometry

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute/
EOS_Attribute/reference/
EOS_AttributeDescription/type

diagram	<pre> classDiagram class EOS_AttributeTypeCode type --> EOS_AttributeTypeCode </pre>												
type	additionalAttributeTypeCode												
facets	enumeration spatialInformation enumeration acquisitionInformation												
attribute	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>codeList</td> <td>xs:string</td> <td>required</td> <td>EOS_AttributeTypeCode</td> </tr> <tr> <td>codeListValue</td> <td>EOS_AttributeTypeCode</td> <td>required</td> <td>value of code list</td> </tr> </tbody> </table>	Name	Type	Use	Annotation	codeList	xs:string	required	EOS_AttributeTypeCode	codeListValue	EOS_AttributeTypeCode	required	value of code list
Name	Type	Use	Annotation										
codeList	xs:string	required	EOS_AttributeTypeCode										
codeListValue	EOS_AttributeTypeCode	required	value of code list										
annotation	documentation additional attribute: type												

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/
reference/EOS_AdditionalAttributeDescription/name

diagram	
type	xs:string
annotation	documentation additional attribute: name

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/
reference/EOS_AdditionalAttributeDescription/description

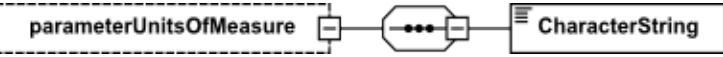
diagram	
type	xs:string
annotation	documentation additional attribute: description

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/**
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/
reference/EOS_AdditionalAttributeDescription/dataType

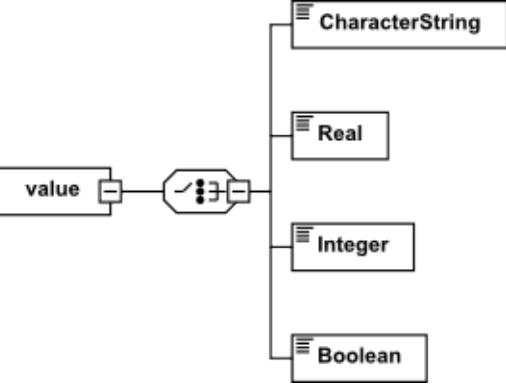
diagram																					
type	additionalAttributeDataTypeCode																				
facets	<table> <tr> <td>enumeration</td> <td>STRING</td> </tr> <tr> <td>enumeration</td> <td>FLOAT</td> </tr> <tr> <td>enumeration</td> <td>INT</td> </tr> <tr> <td>enumeration</td> <td>BOOLEAN</td> </tr> <tr> <td>enumeration</td> <td>DATE</td> </tr> <tr> <td>enumeration</td> <td>TIME</td> </tr> <tr> <td>enumeration</td> <td>DATETIME</td> </tr> <tr> <td>enumeration</td> <td>DATE_STRING</td> </tr> <tr> <td>enumeration</td> <td>TIME_STRING</td> </tr> <tr> <td>enumeration</td> <td>DATETIME_STRING</td> </tr> </table>	enumeration	STRING	enumeration	FLOAT	enumeration	INT	enumeration	BOOLEAN	enumeration	DATE	enumeration	TIME	enumeration	DATETIME	enumeration	DATE_STRING	enumeration	TIME_STRING	enumeration	DATETIME_STRING
enumeration	STRING																				
enumeration	FLOAT																				
enumeration	INT																				
enumeration	BOOLEAN																				
enumeration	DATE																				
enumeration	TIME																				
enumeration	DATETIME																				
enumeration	DATE_STRING																				
enumeration	TIME_STRING																				
enumeration	DATETIME_STRING																				

attribute	Name	Type	Use	Annotation
	codeList	xs:string	required	EOS_AdditionalAttribute Data Type Code
	codeListValue	additionalAttribute DataTypeCode	required	value of code list
annotation	documentation	additional attribute: data type		

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/
reference/EOS_AdditionalAttributeDescription/parameterUnitsOfMeasure**

diagram	
type	xs:string
annotation	documentation additional attribute: parameter units of measure

element **MI_Metadata/acquisitionInformation/MI_AcquisitionInformation/
EOS_Platform/otherProperty/Record/additionalAttributes/
EOS_AdditionalAttributes/additionalAttribute/EOS_AdditionalAttribute/value**

diagram	
type	xs:string, xs:float, xs:int or xs:Boolean
annotation	documentation additional attribute: value