

Other Identifiers

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Element Description

Provides additional or provider defined identifiers of the collection.

Best Practices

Description should be used to describe the meaning of what is in the Type field when Type is Other.

When using ISO to document the Type and DescriptionOfOtherType, it is better (but not required) to put the two values on separate lines in the gco:CharacterString tag, for readability.

Examples:

OtherIdentifiers/Identifier: C123456_Prov

OtherIdentifiers/Type: ArchiveSetsNumber

or

OtherIdentifiers/Identifier: ECSE-1474

OtherIdentifiers/Type: Other

OtherIdentifiers/DescriptionOfOtherType: Ticket number related to this data.

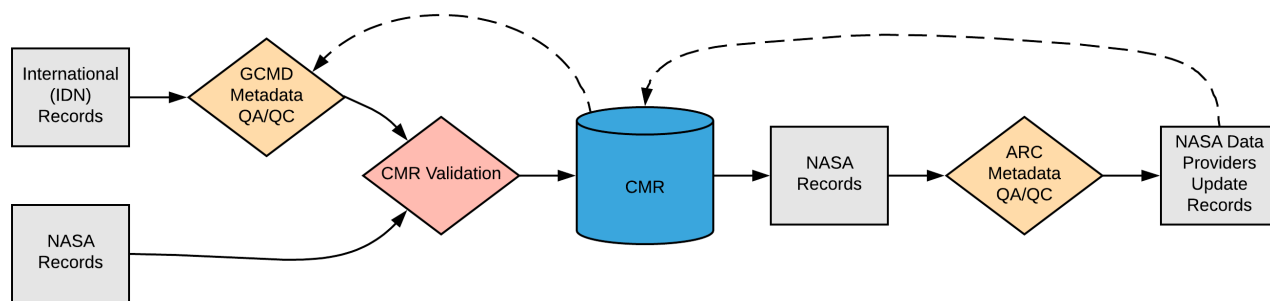
Element Specification

OtherIdentifiers is not required. Many OtherIdentifiers may be provided (Cardinality: 0..*)

Model	Element	Type	Constraints	Required?	Cardinality	Notes
UMM-C	OtherIdentifiers	Object		No	0..*	
UMM-C	OtherIdentifiers/Identifier	String	1 to 1024 characters	Yes	1	
UMM-C	OtherIdentifiers/Type	Enumeration	Valid values: ArchiveSetNumbers, Other	Yes	1	
UMM-C	OtherIdentifiers/DescriptionOfOtherType	String	1 to 1024 characters	Yes if Type=Other	0..1	Required if OtherIdentifiers/Type is 'Other'

Metadata Validation and QA/QC

All metadata entering the CMR goes through the below process to ensure metadata quality requirements are met. All records undergo CMR validation before entering the system. The process of QA/QC is slightly different for NASA and non-NASA data providers. Non-NASA providers include interagency and international data providers and are referred to as the International Directory Network (IDN).



Please see the expandable sections below for flowchart details.

- Manual Review
 - Check that there is at least a brief summary of the data.
 - Confirm that other URLs link to the appropriate web pages.
 - Identify errors, discrepancies or omissions.
 - Proof all content for conciseness and readability.
- Automated Review
 - Check that the field length is not greater than 40,000 characters.
 - Check that the field length is at least 50 characters.
 - Check that the field has been populated.
 - Check for potential broken links.
- Must contain at least 1 character and be no longer than 4000 characters in length
- DescriptionOfOtherType only used if Type is Other

ARC Priority Matrix

Priority Categorization	Justification
Red = High Priority Finding	TBD
Yellow = Medium Priority Finding	TBD
Blue = Low Priority Finding	TBD
Green = No Findings/Issues	TBD

ARC Automated Checks

ARC uses the [pyQuARC library](#) for automated metadata checks. Please see the [pyQuARC GitHub](#) for more information.

Dialect Mappings

DIF 9

DIF 9 (Note: DIF-9 has been phased out and is no longer supported since 2018)

DIF 10

Other_Identifiers is not required. Many Other_Identifiers may be provided (Cardinality: 0..1)

UMM-C Element	DIF 10 Path	Type	Constraints	Required in DIF 10?	Cardinality
OtherIdentifiers	Other_Identifiers	Object		No	0..1
OtherIdentifiers/Identifier	Other_Identifiers/Identifier	String	1-1,024 characters	Yes	1
OtherIdentifiers/Type	Other_Identifiers/Type	Enumeration	Valid values: ArchiveSetNumbers, Other	Yes	1
OtherIdentifiers/DescriptionOfOtherType	Other_Identifiers/Description_Of_Other_Type	String	1-1,024 characters	No	0..1

Example Mapping

DIF 10

```
<Other_Identifiers>
  <Identifier>C123456_Prov</Identifier>
  <Type>ArchiveSetsNumber</Type>
</Other_Identifiers>
<Other_Identifiers>
  <Identifier>key-1234</Identifier>
  <Type>Other</Type>
  <Description_Of_Other_Type>Database Key<
/Description_Of_Other_Type>
</Other_Identifiers>
```

UMM

```
"OtherIdentifiers": [
  {
    "Identifier": "C123456_Prov", "Type":
"ArchiveSetsNumber"},
  {
    "Identifier": "key-1234",
    "Type": "Other",
    "DescriptionOfOtherType": "Database Key"
  },
]
```

ECHO 10

OtherIdentifiers is not required. Many OtherIdentifier nodes may be provided (Cardinality: 0..1)

UMM-C Element	ECHO 10 Path	Type	Constraints	Required in ECHO10?	Cardinality
OtherIdentifiers	OtherIdentifiers	List		No	0..1
	OtherIdentifiers/OtherIdentifier	Object			1..*
OtherIdentifiers/Identifier	OtherIdentifiers/OtherIdentifier/Identifier	String	1-1,024 characters	Yes	1
OtherIdentifiers/Type	OtherIdentifiers/OtherIdentifier/Type	Enumeration	ValidValues: ArchiveSetsNumber, Other	Yes	1
OtherIdentifiers /DescriptionOfOtherType	OtherIdentifiers/OtherIdentifier /DescriptionOfOtherType	String	1-1,024 characters	No	0..1

Example Mapping

ECHO 10

```
<OtherIdentifiers>
  <OtherIdentifier>
    <Identifier>C123456_Prov</Identifier>
    <Type>ArchiveSetsNumber</Type>
  </OtherIdentifier>
  <OtherIdentifier>
    <Identifier>key-1234</Identifier>
    <Type>Other</Type>
    <DescriptionOfOtherType>Database Key<
/DescriptionOfOtherType>
  </OtherIdentifier>
</OtherIdentifiers>
```

UMM

```

"OtherIdentifiers": [
  {"Identifier": "C123456_Prov", "Type":
"ArchiveSetsNumber"},
  {
    "Identifier": "key-1234",
    "Type": "Other",
    "DescriptionOfOtherType": "Database Key"
  },
]

```

ISO 19115-2 MENDS

Abstract is required is ISO. Only one Abstract may be provided (Cardinality: 1)

UMM-C Element	ISO Path	Type	Notes
OtherIdentifiers/Identifiers	/gmi:MI_Metadata/gmd:identificationInfo/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/ [=> [=> gmd:codeSpace/gco:CharacterString = gov.nasa.esdis.umm.otheridentifier	String	
OtherIdentifiers/Type	[=> gmd:description/gco:CharacterString Type: <value>	String	Shares a Character String with Description
OtherIdentifiers /DescriptionOfOtherType	[=> gmd:description/gco:CharacterString DescriptionOfOtherType: <value>	String	Shares a Character String with Type

Example Mapping

ISO 19115-2 MENDS

```

<gmd:identificationInfo>
  <gmd:MD_DataIdentification>
    <!-- Other Identifiers -->
    <gmd:citation>
      <gmd:CI_Citation>
        <gmd:identifier>
          <gmd:MD_Identifier>
            <gmd:code>
              <gco:CharacterString>key-
1234</gco:CharacterString>
            </gmd:code>
          <gmd:codeSpace>
            <gco:CharacterString>gov.
nasa.esdis.umm.otheridentifier</gco:CharacterString>
          </gmd:codeSpace>
        <gmd:description>
          <gco:CharacterString>
            Type: Other
            Description: Ticket
number related to this data.
          </gco:CharacterString>
        </gmd:description>
      </gmd:MD_Identifier>
    </gmd:identifier>
  </gmd:CI_Citation>
</gmd:citation>
</gmd:MD_DataIdentification>
</gmd:identificationInfo>

```

UMM

```
"OtherIdentifiers": [
  {
    "Identifier": "C123456_Prov",
    "Type": "ArchiveSetsNumber",
    {
      "Identifier": "key-1234",
      "Type": "Other",
      "DescriptionOfOtherType": "Database Key"
    },
  ]
```

ISO 19115-2 SMAP

No Mappings to this format

UMM-C Element	ISO Path	Type	Notes
OtherIdentifiers	None		No mappings have been defined

Example Mapping

ISO 19115-2 SMAP

N/A

UMM

N/A

UMM Migration

None

History

UMM Versioning

Version	Date	What Changed
1.18.0	2024-03-18	Added in version 1.18.0

ARC Documentation

Version	Date	What Changed	Author
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