

# Archive and Distribution Information for Collections

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## Element Description

Archive and distribution information elements provide information about a format other than its original for data immediately available for download. This includes information such as the average downloadable file size, data format, mime type, checksum, and an estimate of the collection's entire downloadable file size.

## Best Practices

There are multiple sub-elements that comprise Archive and Distribution Information for Collections:

**Format:** Defines a single format for an archival artifact (e.g., binary, jpeg, HDF5, HDF-EOS5, GeoTIFF). The format must be selected from the [GCMD Granule Data Format vocabulary list](#) in order to adhere to the UMM-C schema. This ensures consistent use of data formats across the CMR.

**Format Type:** Allows the provider to define if the archival artifact's format is in its native format or another supported format.

**Format Description:** Allows the data provider to provide added information about the provided Format.

**Average File Size:** An approximate average of the size of the the archivable item, which gives users an idea of the magnitude of each archivable file.

**Average File Size Unit:** Unit of measure for the average file size (e.g., KB, MB, TB).

**Total Collection File Size:** An approximate total size of the archivable items, which gives users an idea of the magnitude of all the archivable files combined.

**Total Collection File Size Unit:** Unit of measure for the total collection file size (e.g., KB, MB, TB).

**Total Collection File Size Begin Date:** The date that data collection began for the collection, which should be in the following format: yyyy-MM-ddTHH:mm:ssZ

**Description:** Enables the provider to provide more information about the archivable item.

**Media:** Defines how the distributable material can be obtained by an end user (e.g., Online Archive, CD-ROM, hard drives, etc.).

**Fees:** Provide the price an end user will need to pay in order to obtain the distributable material.

Each of these elements are available under 'FileArchiveInformation' and 'FileDistributionInformation'. **FileArchiveInformation** describes the data in its archived format. **FileDistributionInformation** describes the data as distributed by a data provider. It can be the original format in which the data are archived, or it can be used to specify when the data is distributed in a format other than its original format. **FileDistributionInformation is the preferred location for providing the data format since this should specify the format data are being distributed in to the end user.**

### Examples:

Format: "HDF-EOS5"

Format Type: "Native"

Format Description: "This is an EOSDIS specific format, and it is also available in ASCII."

Average File Size: "250"

Average File Size Unit: "KB"

Total Collection File Size: "25"

Total Collect File Size Unit: "GB"

Total Collection File Size Begin Date: "2018-04-01T00:00:00Z"

## Element Specification

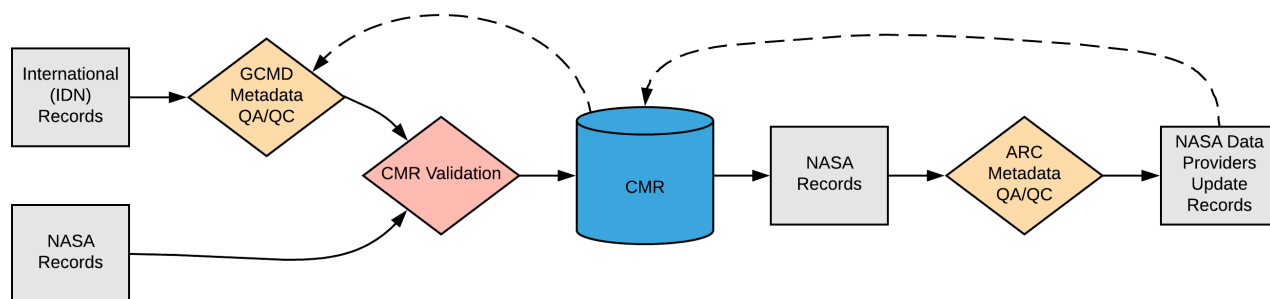
### Cardinality of Archive and Distribution Information:

| Model | Element                                                                                        | Type        | Usable Valid Values                                      | Constraints         | Required?                                         | Cardinality | Notes                                                                                                                                                                                                                                                 |
|-------|------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------|---------------------|---------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UMM-C | ArchiveAndDistributionInformation/<br>FileArchiveInformation/<br>Format                        | String      | <a href="#">GCMD Granule Data Format vocabulary list</a> | 1 - 80 characters   | Yes                                               | 1           | The format must be selected from the <a href="#">GCMD Granule Data Format vocabulary list</a> .                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileArchiveInformation/FormatType                        | String      | Native Supported                                         | n/a                 | No                                                | 0..1        |                                                                                                                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileArchiveInformation/FormatDescription                 | String      |                                                          | 1 - 80 characters   | No                                                | 0..1        |                                                                                                                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileArchiveInformation/ AverageFileSize                  | Decimal     |                                                          |                     | Yes, if TotalCollectionFileSizeBeginDate is used. | 0..1        |                                                                                                                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileArchiveInformation/ AverageFileSize Unit             | String      | KB<br>MB<br>GB<br>TB<br>PB<br>NA                         | n/a                 | Yes, if AverageFileSize is used.                  | 0..1        |                                                                                                                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileArchiveInformation/ TotalCollectionFileSize          | Decimal     |                                                          |                     | No                                                | 0..1        | Either use TotalCollectionFileSize or TotalCollectionFileSizeBeginDate                                                                                                                                                                                |
| UMM-C | ArchiveAndDistributionInformation/<br>FileArchiveInformation/ TotalCollectionFileSizeUnit      | Enumeration | KB<br>MB<br>GB<br>TB<br>PB<br>NA                         | n/a                 | Yes, if TotalCollectionFileSize is used           | 0..1        |                                                                                                                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileArchiveInformation/ TotalCollectionFileSizeBeginDate | Date        |                                                          |                     | No                                                | 0..1        | Either use TotalCollectionFileSize or TotalCollectionFileSizeBeginDate                                                                                                                                                                                |
| UMM-C | ArchiveAndDistributionInformation/<br>FileArchiveInformation/ Description                      | String      | n/a                                                      | 1 - 1024 characters | No                                                | 0..1        |                                                                                                                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileDistributionInformation/Format                       | String      | <a href="#">GCMD Granule Data Format vocabulary list</a> | 1 - 80 characters   | Yes                                               | 1           | The format must be selected from the <a href="#">GCMD Granule Data Format vocabulary list</a> .<br><br><b>Recommend providing the data format in this element since this should specify the format data are being distributed in to the end user.</b> |
| UMM-C | ArchiveAndDistributionInformation/<br>FileDistributionInformation/ FormatType                  | String      | Native Supported                                         |                     | No                                                | 0..1        |                                                                                                                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileDistributionInformation/<br>FormatDescription        | String      |                                                          | 1 - 80 characters   | No                                                | 0..1        |                                                                                                                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileDistributionInformation/<br>Media                    | String      | n/a                                                      | 1 - 80 characters   | No                                                | 0..1        |                                                                                                                                                                                                                                                       |
| UMM-C | ArchiveAndDistributionInformation/<br>FileDistributionInformation/ AverageFileSize             | Decimal     | n/a                                                      | n/a                 | Yes, if TotalCollectionFileSizeBeginDate is used. | 0..1        |                                                                                                                                                                                                                                                       |

|       |                                                                                                  |             |                                  |                     |                                         |      |                                                                        |
|-------|--------------------------------------------------------------------------------------------------|-------------|----------------------------------|---------------------|-----------------------------------------|------|------------------------------------------------------------------------|
| UMM-C | ArchiveAndDistributionInformation/ FileDistributionInformation/ AverageFileSizeUnit              | Enumeration | KB<br>MB<br>GB<br>TB<br>PB<br>NA |                     | Yes, if AverageFileSize is used.        | 0..1 |                                                                        |
| UMM-C | ArchiveAndDistributionInformation/ FileDistributionInformation/ TotalCollectionFileSize          | Decimal     | n/a                              |                     | No                                      | 0..1 | Either use TotalCollectionFileSize or TotalCollectionFileSizeBeginDate |
| UMM-C | ArchiveAndDistributionInformation/ FileDistributionInformation/ TotalCollectionFileSizeUnit      | Enumeration | KB<br>MB<br>GB<br>TB<br>PB<br>NA | n/a                 | Yes, if TotalCollectionFileSize is used | 0..1 |                                                                        |
| UMM-C | ArchiveAndDistributionInformation/ FileDistributionInformation/ TotalCollectionFileSizeBeginDate | Date        |                                  |                     | No                                      | 0..1 | Either use TotalCollectionFileSize or TotalCollectionFileSizeBeginDate |
| UMM-C | ArchiveAndDistributionInformation/ FileDistributionInformation/ Description                      | String      | n/a                              | 1 - 1024 characters | No                                      | 0..1 |                                                                        |
| UMM-C | Fees                                                                                             | String      | n/a                              | 1 - 255 characters  | No                                      | 0..1 |                                                                        |

## 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: TBD
- Automated Review: TBD
- TBD

### ARC Priority Matrix

| Priority Categorization | Justification |
|-------------------------|---------------|
|-------------------------|---------------|

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Red = High Priority Finding      | <p>This element is categorized as highest priority when:</p> <ul style="list-style-type: none"> <li>No Data Format is provided.</li> <li>The Data Format provided is incorrect for the dataset.</li> <li>The Data Format does not comply with the <a href="#">GCMD Granule Data Format vocabulary list</a>.</li> <li>The Data Format provided is correct, however, it does not exactly match its entry in the <a href="#">GCMD Granule Data Format vocabulary list</a>. <ul style="list-style-type: none"> <li>E.g. providing 'netcdf4' versus 'netCDF-4'</li> <li>E.g. providing 'geo-tiff' versus 'GeoTIFF'</li> </ul> </li> </ul> |
| Yellow = Medium Priority Finding | <p>This element is categorized as medium priority when:</p> <ul style="list-style-type: none"> <li>The Data Format provided is correct, but could be more specific. <ul style="list-style-type: none"> <li>E.g. Providing 'ASCII' when the data format should be 'CSV'</li> </ul> </li> <li>A recommendation is made to add a data format to the existing list.</li> </ul>                                                                                                                                                                                                                                                           |
| Blue = Low Priority Finding      | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Green = No Findings /Issues      | The element is provided and follows all applicable criteria specified in the best practices section above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### ARC Automated Checks

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

## Dialect Mappings

**DIF 9** (Note: DIF-9 is being phased out and will no longer be supported after 2018)

### DIF 10

All of the sub-elements are optional in DIF 10.

| UMM-C Element                                                                               | Path                                                 | Type        | Usable Valid Values        | Constraints | Required in DIF 10? | Cardinality | Notes                                                                                                                                           |
|---------------------------------------------------------------------------------------------|------------------------------------------------------|-------------|----------------------------|-------------|---------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| ArchiveAndDistributionInformation /FileDistributionInformation/ Format                      | /DIF/Distribution /Distribution_Format               | String      |                            |             | No                  | 0..1        | To ensure consistency, it is highly recommended that the format be selected from the <a href="#">GCMD Granule Data Format vocabulary list</a> . |
| ArchiveAndDistributionInformation /FileDistributionInformation/FormatType                   | /DIF/Distribution /Distribution_Format_Type          | String      | Native Supported           |             | No                  | 0..1        | This is a DIF 10.3 field. Currently in DIF 10.2 there is just one field called ' /DIF/Distribution/Distribution_Format'                         |
| ArchiveAndDistributionInformation /FileDistributionInformation/Media                        | /DIF/Distribution /Distribution_Media                | String      |                            |             | No                  | 0..1        |                                                                                                                                                 |
| ArchiveAndDistributionInformation /FileDistributionInformation /AverageFileSize             | /DIF/Distribution /Average_Granule_Size              |             |                            |             |                     |             | This is a DIF 10.3 field. Currently in DIF 10.2 there is just one field called ' /DIF/Distribution/Distribution_Size'                           |
| ArchiveAndDistributionInformation /FileDistributionInformation /AverageFileSizeUnit         | /DIF/Distribution /Average_Granule_Size_Unit         | Enumeration | KB<br>MB<br>GB<br>TB<br>PB |             | No                  | 0..1        | This is a DIF 10.3 field. Currently in DIF 10.2 there is just one field called ' /DIF/Distribution/Distribution_Size'                           |
| ArchiveAndDistributionInformation /FileDistributionInformation /TotalCollectionFileSize     | /DIF/Distribution /Total_Collection_Size             | Decimal     |                            |             | No                  | 0..1        | This is a DIF 10.3 field. Currently in DIF 10.2 there is just one field called ' /DIF/Distribution/Distribution_Size'                           |
| ArchiveAndDistributionInformation /FileDistributionInformation /TotalCollectionFileSizeUnit | /DIF/Distribution /Distribution_Collection_Size_Unit | Enumeration | KB<br>MB<br>GB<br>TB<br>PB |             | No                  | 0..1        | This is a DIF 10.3 field. Currently in DIF 10.2 there is just one field called ' /DIF/Distribution/Distribution_Size'                           |
| ArchiveAndDistributionInformation /FileDistributionInformation/ Fees                        | /DIF/Distribution/Fees                               | String      | n/a                        |             | No                  | 0..1        |                                                                                                                                                 |

### Example Mapping

DIF 10

```

<Distribution>
  <Distribution_Media>Online Archive<
/Distribution_Media>
  <Average_Granule_Size>231</Average_Granule_Size>
**Note: In DIF 10.2 this would appear as:
<Distribution_Size>231 MB per file<
/Distribution_Size>
  <Average_Granule_Size_Unit>MB<
/Average_Granule_Size_Unit>
  <Distribution_Format>HDF-EOS5</Distribution_Format>
  <Distribution_Format_Type>Native<
/Distribution_Format_Type> **Note: The
Distribution_Format_Type field is not available in
DIF 10.2
  <Fees>Free</Fees>
</Distribution>

```

## UMM

```

"ArchiveAndDistributionInformation": {
  "FileDistributionInformation": [
    {
      "FormatType": "Native",
      "AverageFileSize": 231,
      "Fees": "Free",
      "Format": "HDF-EOS",
      "AverageFileSizeUnit": "MB",
      "Media": [
        "Online Archive"
      ]
    }
  ]
},

```

## ECHO 10

Only 2 UMM-C Archive and Distribution Information sub-elements map to ECHO 10, Data Format and Fees, and neither element is required.

| UMM-C Element                                                         | Path        | Type   | Usable Valid Values | Constraints | Required in ECHO10? | Cardinality | Notes                                                                                                                                           |
|-----------------------------------------------------------------------|-------------|--------|---------------------|-------------|---------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| ArchiveAndDistributionInformation /FileDistributionInformation/Format | /DataFormat | String |                     | N/A         | No                  | 0..1        | To ensure consistency, it is highly recommended that the format be selected from the <a href="#">GCMD Granule Data Format vocabulary list</a> . |
| ArchiveAndDistributionInformation /FileDistributionInformation/Fees   | /Price      | String |                     | N/A         | No                  | 0..1        |                                                                                                                                                 |

### Example Mapping

#### ECHO 10

```

<DataFormat>HDF-EOS5</DataFormat>
<Price>0.0</Price>

```

## UMM

```

"ArchiveAndDistributionInformation": {
  "FileDistributionInformation": [
    {
      "FormatType": "Native",
      "Fees": "0.0",
      "Format": "HDF-EOS5"
    }
  ]
},

```

## ISO 19115-2 MENDS

Archive and Distribution Information is an optional metadata element in ISO 19115-2 MENDS.

| UMM-C Element                                                                             | Path                                                                                                                                                                                                                                                                                                                | Type        | Notes |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|
| ArchiveAndDistributionInformation/FileArchiveInformation/Format                           | [=> /gmd:name/gco:CharacterString                                                                                                                                                                                                                                                                                   | String      |       |
| ArchiveAndDistributionInformation/FileArchiveInformation/FormatType                       | [=> /gmd:specification/gco:CharacterString = FormatType: <FormatType>                                                                                                                                                                                                                                               | String      |       |
| ArchiveAndDistributionInformation/FileArchiveInformation/AverageFileSize                  | [=> /gmd:specification/gco:CharacterString = AverageFileSize: <AverageFileSize>                                                                                                                                                                                                                                     | Decimal     |       |
| ArchiveAndDistributionInformation/FileArchiveInformation/AverageFileSizeUnit              | [=> /gmd:specification/gco:CharacterString = AverageFileSizeUnit: <AverageFileSizeUnit>                                                                                                                                                                                                                             | String      |       |
| ArchiveAndDistributionInformation/FileArchiveInformation/TotalCollectionFileSize          | [=> /gmd:specification/gco:CharacterString = TotalCollectionFileSize: <TotalCollectionFileSize>                                                                                                                                                                                                                     | Decimal     |       |
| ArchiveAndDistributionInformation/FileArchiveInformation/TotalCollectionFileSizeUnit      | [=> /gmd:specification/gco:CharacterString = TotalCollectionFileSizeUnit: <TotalCollectionFileSizeUnit>                                                                                                                                                                                                             | Enumeration |       |
| ArchiveAndDistributionInformation/FileArchiveInformation/TotalCollectionFileSizeBeginDate | [=> /gmd:specification/gco:CharacterString = TotalCollectionFileSizeBeginDate: <TotalCollectionFileSizeBeginDate>                                                                                                                                                                                                   | Date        |       |
| ArchiveAndDistributionInformation/FileArchiveInformation/Description                      | [=> /gmd:specification/gco:CharacterString = Description: <Description>                                                                                                                                                                                                                                             | String      |       |
| ArchiveAndDistributionInformation/FileDistributionInformation/Format                      | [=> /gmd:distributionFormat xlink:href="FileDistributionInformation_<Block Number>/gmd:MD_Format/gmd:name/gco:CharacterString                                                                                                                                                                                       | String      |       |
| ArchiveAndDistributionInformation/FileDistributionInformation/FormatType                  | [=> /gmd:distributionFormat xlink:href="FileDistributionInformation_<Block Number>/gmd:MD_Format/gmd:specification/gmd:CharacterString = FormatType: <Native or Supported>                                                                                                                                          | String      |       |
| ArchiveAndDistributionInformation/FileDistributionInformation/Media                       | [=> /gmd:transferOptions xlink:href="FileDistributionInformation_Media_<Block Number>/gmd:MD_DigitalTransferOptions/gmd:offLine/gmd:MD_Medium/gmd:name/gmd:MD_MediumNameCode codeList="https://cdn.earthdata.nasa.gov/iso/resources/Codelist/gmxCodetlists.xml#MD_MediumNameCode" codeListValue="<value>" = <value> | String      |       |
| ArchiveAndDistributionInformation/FileDistributionInformation/AverageFileSize             | [=> /gmd:transferOptions xlink:href="FileDistributionInformation_AverageFileSize_<Block Number>/gmd:MD_DigitalTransferOptions/gmd:unitsOfDistribution/gco:CharacterString                                                                                                                                           | Decimal     |       |
| ArchiveAndDistributionInformation/FileDistributionInformation/AverageFileSizeUnit         | [=> /gmd:transferOptions xlink:href="FileDistributionInformation_AverageFileSize_<Block Number>/gmd:MD_DigitalTransferOptions/gmd:unitsOfDistribution/gco:CharacterString                                                                                                                                           | Enumeration |       |
| ArchiveAndDistributionInformation/FileDistributionInformation/TotalCollectionFileSize     | [=> /gmd:transferOptions xlink:href="FileDistributionInformation_TotalCollectionFileSize_<Block Number>/gmd:MD_DigitalTransferOptions/gmd:transferSize/gco:Real                                                                                                                                                     | Decimal     |       |
| ArchiveAndDistributionInformation/FileDistributionInformation/TotalCollectionFileSizeUnit | [=> /gmd:transferOptions xlink:href="FileDistributionInformation_TotalCollectionFileSize_<Block Number>/gmd:MD_DigitalTransferOptions/gmd:unitsOfDistribution/gco:CharacterString                                                                                                                                   | Enumeration |       |

|                                                                                                |                                                                                                                                                                                                                  |        |  |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| ArchiveAndDistributionInformation/FileDistributionInformation/TotalCollectionFileSizeBeginDate | [=> /gmd:distributionFormat xlink:href="FileDistributionInformation_<Block Number>"/gmd:MD_Format/gmd:specification/gmd:CharacterString = TotalCollectionFileSizeBeginDate: <Date use MMDDYYYYTHH:MM:SSZ format> | Date   |  |
| ArchiveAndDistributionInformation/FileDistributionInformation/Description                      | [=> /gmd:distributor xlink:href="FileDistributionInformation_<Block Number>"/gmd:MD_Distributor/gmd:distributionOrderProcess/gmd:MD_StandardOrderProcess/gmd:orderingInstructions/gmd:CharacterString            | String |  |
| ArchiveAndDistributionInformation/FileDistributionInformation/Fees                             | [=> /gmd:distributor xlink:href="FileDistributionInformation_<Block Number>"/gmd:MD_Distributor/gmd:distributionOrderProcess/gmd:MD_StandardOrderProcess/gmd:fees/gmd:CharacterString                            | String |  |

### Example Mapping

ISO 19115-2 MENDS

```
<gmi:MI_Metadata>
  ...
  <gmd:distributionFormat xlink:href="
FileDistributionInformation_<Block Number>"/>
    <gmd:MD_Format>
      <gmd:specification>
        <gco:
CharacterString>TotalCollectionFileSizeBeginDate<
/gco:CharacterString>
          </gmd:code>
          <gmd:codeSpace>
            <gco:CharacterString>2018-04-01T00:
00:00Z</gco:CharacterString>
          </gmd:codeSpace>
          <gmd:specification>
            <gmd:MD_Format>
              <gmd:distributionFormat xlink:href="
FileDistributionInformation_<Block Number>"/>
```

UMM

```
ArchiveandDistributionInformation: [
{
  AverageFileSize: "250",
},
{
  AverageFileSizeUnit: "KB",
},
{
  TotalCollectionFileSizeBeginDate: "2018-04-
01T00:00:00Z",
}
],
```

### ISO 19115-2 SMAP

Archive and Distribution Information does not currently map to ISO 19115-2 SMAP.

| UMM-C Element | Path | Type | Notes |
|---------------|------|------|-------|
| N/A           | N/A  | N/A  | N/A   |

### Example Mapping

N/A  
N/A

## UMM Migration

None

## History

### UMM Versioning

| Version | Date       | What Changed                                                                                                             |
|---------|------------|--------------------------------------------------------------------------------------------------------------------------|
| 1.15.5  | 12/3/2020  | The description of the format elements now includes text about the controlled vocabulary for this field coming from KMS. |
| 1.15.4  | 9/18/2020  | No changes were made for Archive and Distribution Information during the transition from version 1.15.3 to 1.15.4        |
| 1.15.3  | 7/1/2020   | FormatDescription was added to FileArchive and FileDistribution Information types to version 1.15.3                      |
| 1.15.2  | 5/20/2020  | No changes were made for Archive and Distribution Information during the transition from version 1.15.1 to 1.15.2        |
| 1.15.1  | 3/25/2020  | No changes were made for Archive and Distribution Information during the transition from version 1.15.0 to 1.15.1        |
| 1.15.0  | 2/26/2020  | No changes were made for Archive and Distribution Information during the transition from version 1.14.0 to 1.15.0        |
| 1.14.0  | 10/21/2019 | No changes were made for Archive and Distribution Information during the transition from version 1.13.0 to 1.14.0        |
| 1.13.0  | 04/11/2019 | This element was added to the UMM-C specification.                                                                       |

### ARC Documentation

| Version | Date     | What Changed                                                                                                                                                                                                                                                         | Author                         |
|---------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 1.0     | 05/16/18 | Recommendations/priority matrix transferred from internal ARC documentation to wiki space                                                                                                                                                                            | <a href="#">Jeanne'le Roux</a> |
| 1.1     | 04/12/21 | Moved "The data format provided is correct, however, it does not exactly match its entry in the <a href="#">GCMD Granule Data Format vocabulary list</a> ." from blue to red. GCMD keywords are now the authoritative controlled vocabulary source for data formats. | <a href="#">Jeanne'le Roux</a> |