Version Description

Element Description

The Version Description describes the version of the collection.

Best Practices

The version description should be brief and provide meaningful information about the version (i.e. beyond the version number itself). This could include what separates the current version of the dataset from the previous version. If it is the first version of a dataset, then the description can convey this. It may also include the date that the version of the dataset was released. It is also recommended that the version description provides information explaining if there are multiple versions of a dataset available at the same time or if there is a more recent version of the dataset available. This way, users can determine whether they are accessing the most appropriate version of the dataset for their applications.
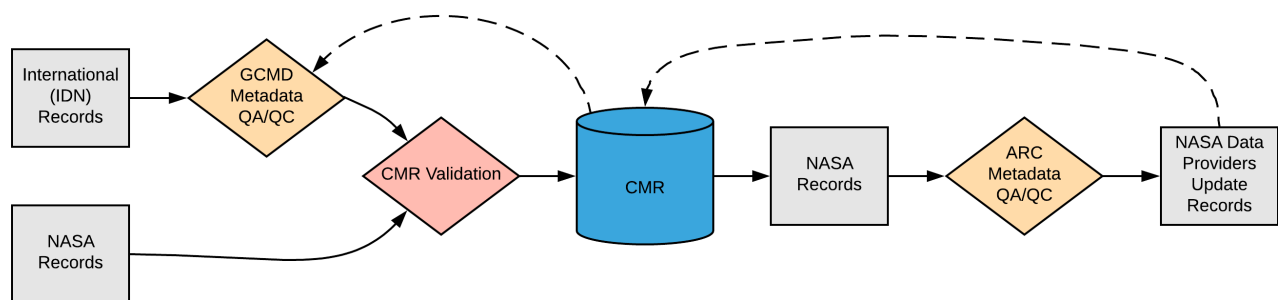
Examples:

"This version 007 has been reprocessed. The algorithm has been updated to produce better science quality."

Element Specification

Model	Element	Type	Constraints	Required?	Cardinality
UMM-C	VersionDescription	String	1 - 2048 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

- o Identify errors, discrepancies or omissions.
- o Proof all content for conciseness and readability.
- o Confirm that other URLs link to the appropriate web page.
- Automated Review
  - o Check for potential broken links.

- If this element is used it must contain at least 1 character and be no longer than 2048 characters in length

ARC Priority Matrix

Priority Categorization	Justification
Red = High Priority Finding	This element is categorized as highest priority when: • The Version Description provided is incorrect for the associated data. • There are major spelling or grammatical errors in the Version Description.
Yellow = Medium Priority Finding	Not Applicable
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)**

The Version Description element does not map to DIF 9.

DIF 10

UMM-C Element	DIF 10 Path	Type	Constraints	Required in DIF 10?	Cardinality	Notes
VersionDescription	/DIF/Version_Description	String		No	0..1	

Enumeration Mapping

N/A

Example Mapping

DIF 10

```
<Version_Description>The GEOS-5 model version used
for processing MERRA-2</Version_Description>
```

UMM

```
"VersionDescription" : "The GEOS-5 model version
used for processing MERRA-2",
```

ECHO 10

UMM-C Element	ECHO 10 Path	Type	Constraints	Required in ECHO10?	Cardinality	Notes
VersionDescription	/Collection/VersionDescription	String	1 - 4000 characters	No	0..1	

Enumeration Mapping

N/A

Example Mapping

ECHO 10

```
<VersionDescription>The GEOS-5 model version used
for processing MERRA-2</VersionDescription>
```

UMM

```
"VersionDescription" : "The GEOS-5 model version
used for processing MERRA-2",
```

ISO 19115-2 MENDS

UMM-C Element	ISO 19115-2 MENDS Path	Type	Notes
VersionDescription	/gmi:MI_Metadata/gmd:identificationInfo/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:otherCitationDetails/gco:CharacterString "Version Description: ….."	String	The entry must begin with the prefix "Version Description: " in order for the element to map properly to CMR.

Enumeration/Code List Mapping

N/A

Example Mapping

ISO 19115-2 MENDS

```
<gmi:MI_Metadata>
  ...
  <gmd:identificationInfo>
    <gmd:MD_DataIdentification>
      <gmd:citation>
        <gmd:CI_Citation>
          ...
          <gmd:otherCitationDetails>
            <gco:CharacterString>Version Description:
The GEOS-5 model version used for processing MERRA-2<
/gco:CharacterString>
          </gmd:otherCitationDetails>
          ...
        </gmd:CI_Citation>
      </gmd:citation>
      ...
    </gmd:MD_DataIdentification>
  </gmd:identificationInfo>
  ...
</gmi:MI_Metadata>
```

UMM

```
"VersionDescription" : "The GEOS-5 model version
used for processing MERRA-2",
```

ISO 19115-2 SMAP

UMM-C Element	ISO 19115-2 SMAP Path	Type
VersionDescription	/gmd:DS_Series/gmd:seriesMetadata/gmi:MI_Metadata/gmd:identificationInfo/gmd:MD_DataIdentification/gmd:citation /gmd:CI_Citation/gmd:otherCitationDetails/gco:CharacterString	String

Enumeration/Code List Mapping

N/A

Example Mapping

ISO 19115-2 SMAP

```
<gmd:DS_Series>
  <gmd:seriesMetadata>
    <gmi:MI_Metadata>
      ...
      <gmd:identificationInfo>
        <gmd:MD_DataIdentification>
          <gmd:citation>
            <gmd:CI_Citation>
              ...
              <gmd:otherCitationDetails>
                <gco:CharacterString>The GEOS-5
model version used for processing MERRA-2</gco:
CharacterString>
              </gmd:otherCitationDetails>
              ...
            </gmd:CI_Citation>
          </gmd:citation>
          ...
        </gmd:MD_DataIdentification>
      </gmd:identificationInfo>
      ...
    </gmi:MI_Metadata>
  </gmd:seriesMetadata>
</gmd:DS_Series>
```

UMM

```
"VersionDescription" : "The GEOS-5 model version
used for processing MERRA-2",
```

UMM Migration

None

History

UMM Versioning

Version	Date	What Changed
1.15.5	12/3/2020	No changes were made for Version Description during the transition from version 1.15.4 to 1.15.5
1.15.4	9/15/2020	No changes were made for Version Description during the transition from version 1.15.3 to 1.15.4
1.15.3	7/1/2020	No changes were made for Version Description during the transition from version 1.15.2 to 1.15.3
1.15.2	5/20/2020	No changes were made for Version Description during the transition from version 1.15.1 to 1.15.2
1.15.1	3/25/2020	No changes were made for Version Description during the transition from version 1.15.0 to 1.15.1

1.15.0	2/26/2020	No changes were made for Version Description during the transition from version 1.14.0 to 1.15.0
1.14.0	10/21/2019	No changes were made for Version Description during the transition from version 1.13.0 to 1.14.0
1.13.0	04/11/2019	No changes were made for Version Description during the transition from version 1.12.0 to 1.13.0
1.12.0	01/22/2019	No changes were made for Version Description during the transition from version 1.11.0 to 1.12.0.
1.11.0	11/28/2018	No changes were made for Version Description during the transition from version 1.10.0 to 1.11.0.
1.10.0	05/02/2018	No changes were made for Version Description during the transition from version 1.9.0 to 1.10.0.

ARC Documentation

Version	Date	What Changed	Author
1.0	04/19/2018	Recommendations/priority matrix transferred from internal ARC documentation to wiki space	Jeanne' le Roux