StandardProduct

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Element Description

The StandardProduct element is used to identify which NASA records are standard products. A Standard Product is a product that has been vetted to ensure that they are complete, consistent, maintain integrity, and satisfies the goals of the Earth Observing System mission. The NASA product owners have also committed to archiving and maintaining the data products. More information can be found here: https://earthdata.nasa.gov/eosdis/science-system-description/eosdis-standard-products.

Best Practices

If a collection is a NASA standard product then this element's value needs to be set to true. Either don't use this element or apply the value of false if this record is not a NASA standard product.

Examples:

StandardProduct: true

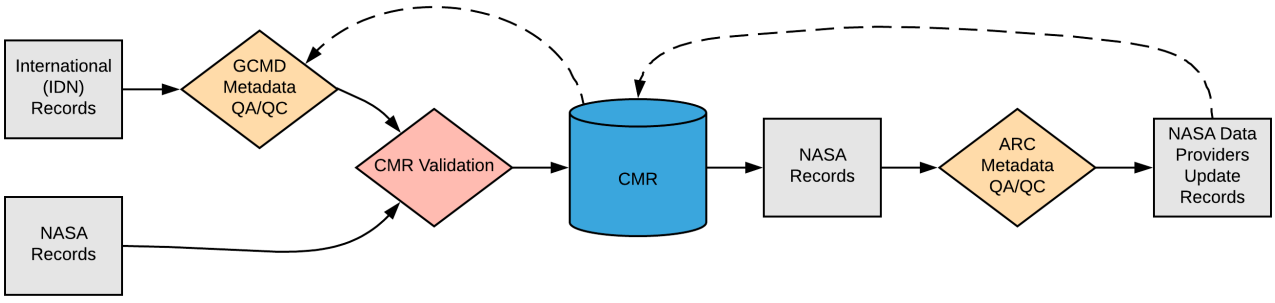
Element Specification

Providing the StandardProduct element is optional (Cardinality: 0..1)

Model	Element	Type	Constraints	Required?	Cardinality
UMM-C	StandardProduct	Boolean	true false	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.

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ARC Priority Matrix

Priority Categorization	Justification
Red = High Priority Finding	This element is categorized as highest priority when: • There is evidence to suggest that the StandardProduct value provided is incorrect.
Yellow = Medium Priority Finding	This element is categorized as medium priority when: • No StandardProduct value is provided.
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

Providing the Standard Product information in the Expanded_Metadata element is optional (Cardinality: 0..1)

UMM-C Element	DIF 10 Path	Type	Constraints	Required in DIF 10?	Cardinality
	Extended_Metadata/Metadata/Name = StandardProduct	String	N/A	No	0..1
StandardProduct	Extended_Metadata/Metadata/Value	String	N/A	No	0..1

Example Mapping

DIF 10

```
<Extended_Metadata>
  ...
    <Metadata>
      <Name>StandardProduct</Name>
      <Value>true</Value>
    </Metadata>
 ...
</Extended_Metadata>
```

UMM

```
StandardProduct: true,
```

ECHO 10

Providing the Collection Data Type element is optional (Cardinality: 0..1)

UMM-C Element	ECHO 10 Path	Type	Constraints	Required in ECHO10?	Cardinality
StandardProduct	StandardProduct	Boolean	N/A	No	0..1

Example Mapping

ECHO 10

```
<StandardProduct>true</StandardProduct>
```

UMM

```
StandardProduct: true,
```

ISO 19115-2 MENDS

Providing the Collection Data Type element is optional (Cardinality: 0..1)

UMM-C Element	ISO Path	Type
CollectionDataType	/gmi:MI_Metadata/gmd:identificationInfo/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/[=> [=> gmd:code/gco:CharacterString with [=> gmd:codeSpace/gco:CharacterString = gov.nasa.esdis.umm.standardproduct with [=>gmd:description/gco:CharacterString = Standard Product	String

Example Mapping

ISO 19115-2 MENDS

```
<gmi:MI_Metadata>
  ...
  <gmd:identificationInfo>
    <gmd:MD_DataIdentification>
      <gmd:citation>
        <gmd:CI_Citation>
          ...
          <gmd:identifier>
            <gmd:MD_Identifier>
              <gmd:code>
                <gco:CharacterString>true</gco:
CharacterString>
              </gmd:code>
              <gmd:codeSpace>
                <gco:CharacterString>gov.nasa.esdis.
umm.standardproduct</gco:CharacterString>
              </gmd:codeSpace>
              <gmd:description>
                <gco:CharacterString>Standard
Product</gco:CharacterString>
              </gmd:description>
            </gmd:MD_Identifier>
          </gmd:identifier>
          ...
        </gmd:CI_Citation>
      </gmd:citation>
      ...
    </gmd:MD_DataIdentification>
  </gmd:identificationInfo>
  ...
</gmi:MI_Metadata>
```

UMM

```
StandardProduct: true,
```

ISO 19115-2 SMAP

StandardProduct is not supported for SMAP records.

UMM Migration

None

History

UMM Versioning

Version	Date	What Changed
1.17.0	5/11/2022	Added StandardProduct as a new main element.

ARC Documentation

Version	Date	What Changed	Author
1.0	4/26/22	Initial draft of ARC priority matrix for new StandardProduct element added to wiki space	Jeanne' le Roux