

Metadata Language

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Element Description

The Metadata Language element specifies the language used in the metadata record.

Best Practices

While not required, it is recommended that an ISO 639-2 code be used to populate the Metadata Language field (http://www.loc.gov/standards/iso639-2/php/code_list.php). If a language is not supplied - English, the default language, will be assumed.

Examples:

"eng" Example using the ISO 639-2 code for English

"French" Example where the ISO 639-2 code is not used

"chi (B)" Example using the ISO 639-2 code for Chinese (See [this FAQ](#) for an explanation why "(B)" is included in the code)

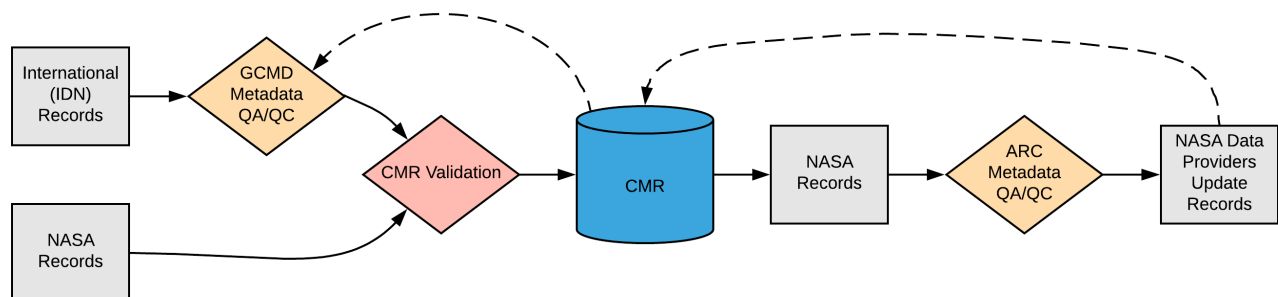
Element Specification

Providing a Metadata Language is optional. Only 1 Metadata Language may be provided (Cardinality: 0..1)

Model	Element	Type	Constraints	Required?	Cardinality
UMM-C	MetadataLanguage	String	1 - 25 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.

N/A

<>

ARC Priority Matrix

Priority Categorization	Justification
Red = High Priority Finding	This element is categorized as highest priority when: <ul style="list-style-type: none">The Metadata Language provided does not reflect the language used in the metadata.
Yellow = Medium Priority Finding	Not applicable
Blue = Low Priority Finding	This element is categorized as low priority when: <ul style="list-style-type: none">No Metadata Language is provided when the metadata language is a language other than English (the assumed default language).
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

Metadata Language does not map to DIF 10.

UMM-C Element	DIF 10 Path	Type	Constraints	Required in DIF 10?	Cardinality	Notes
MetadataLanguage	N/A	N/A	N/A	N/A	N/A	Metadata Language does not map to DIF 10.

ECHO 10

Metadata Language does not map to ECHO 10.

UMM-C Element	ECHO 10 Path	Type	Constraints	Required in ECHO10?	Cardinality	Notes
MetadataLanguage	N/A	N/A	N/A	N/A	N/A	Metadata Language does not map to ECHO 10.

ISO 19115-2 MENDS

Providing a Metadata Language is optional (Cardinality: 0..*)

UMM-C Element	ISO 19115-2 MENDS Path	Type	Notes
MetadataLanguage	/gmi:MI_Metadata/gmd:language/gco:CharacterString with /gmi:MI_Metadata/gmd:MD_CharacterSetCode codeList="https://cdn.earthdata.nasa.gov/iso/resources/Codelist/gmxCodetables.xml#MD_CharacterSetCode" codeListValue="utf8"	String Codelist	Maps to the UMM element "Metadata Language" Provide the metadata language (e.g. English) in the Character String (first path listed). The codelist value of "utf8" must be provided with the string in order for CMR to properly parse out the metadata language.

Example Mapping

ISO 19115-2 MENDS

```

<gmi:MI_Metadata>
  <gmd:language>
    <gco:CharacterString>eng</gco:CharacterString>
  </gmd:language>
  <gmd:MD_CharacterSetCode codeList="https://cdn.earthdata.nasa.gov/iso/resources/Codelist/gmxCodelists.xml#MD_CharacterSetCode" codeListValue="utf8">utf8</gmd:MD_CharacterSetCode>
</gmi:MI_Metadata>

```

UMM

```
"DataLanguage": "eng"
```

ISO 19115-2 SMAP

Providing a Metadata Language is optional (Cardinality: 0..*)

UMM-C Element	ISO 19115-2 SMAP Path	Type	Notes
MetadataLanguage	/gmd:DS_Series/gmd:seriesMetadata/gmi:MI_Metadata/gmd:language/gco:CharacterString with /gmd:DS_Series/gmd:seriesMetadata/gmi:MI_Metadata/gmd:MD_CharacterSetCode codeList="https://cdn.earthdata.nasa.gov/iso/resources/Codelist/gmxCodelists.xml#MD_CharacterSetCode" codeListValue="utf8"	String Codelist	Maps to the UMM element "Metadata Language" Provide the metadata language (e.g. English) in the Character String (first path listed). The codelist value of "utf8" must be provided with the string in order for CMR to properly parse out the metadata language.

Example Mapping

ISO 19115-2 SMAP

```

<gmd:DS_Series>
  <gmd:seriesMetadata>
    <gmi:MI_Metadata>
      <gmd:language>
        <gco:CharacterString>eng</gco:CharacterString>
      </gmd:language>
      <gmd:MD_CharacterSetCode codeList="https://cdn.earthdata.nasa.gov/iso/resources/Codelist/gmxCodelists.xml#MD_CharacterSetCode" codeListValue="utf8">utf8</gmd:MD_CharacterSetCode>
    </gmi:MI_Metadata>
  </gmd:seriesMetadata>
</gmd:DS_Series>

```

UMM

```
"DataLanguage": "eng"
```

UMM Migration

UMM Version 1.9.0	Translation Direction	UMM Version 1.10.0

History

UMM Versioning

Version	Date	What Changed
1.15.5	12/3/2020	No changes were made for Metadata Language during the transition from version 1.15.4 to 1.15.5
1.15.4	9/18/2020	No changes were made for Metadata Language during the transition from version 1.15.3 to 1.15.4
1.15.3	7/1/2020	No changes were made for Metadata Language during the transition from version 1.15.2 to 1.15.3
1.15.2	5/20/2020	No changes were made for Metadata Language during the transition from version 1.15.1 to 1.15.2
1.15.1	3/25/2020	No changes were made for Metadata Language during the transition from version 1.15.0 to 1.15.1
1.15.0	2/26/2020	No changes were made for Metadata Language during the transition from version 1.14.0 to 1.15.0
1.14.0	10/21/2019	No changes were made for Metadata Language during the transition from version 1.13.0 to 1.14.0
1.13.0	04/11/2019	No changes were made for Metadata Language during the transition from version 1.12.0 to 1.13.0
1.12.0	01/22/2019	No changes were made for Metadata Language during the transition from version 1.11.0 to 1.12.0.
1.11.0	11/28/2018	No changes were made for Metadata Language during the transition from version 1.10.0 to 1.11.0.
1.10.0	05/02/2018	No changes were made for Metadata Language during the transition from version 1.9.0 to 1.10.0.
1.9.0		

ARC Documentation

Version	Date	What Changed	Author
1.0	11/09/2018	Recommendations/priority matrix transferred from internal ARC documentation to wiki space	Jeanne' le Roux Ingrid Garcia-Solera