

CoMET/DSMQ User Guide

Editor, Publisher, and Group Manager User Roles

Production Version 1.13.0

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Contact Information

Send questions, feedback, issues, and bugs regarding this guide to the Collection Manager Support email at ncei.collection-manager.support@noaa.gov. If an issue or bug, include steps required to replicate it. Additionally, provide your name and contact information if you wish to be contacted for issue clarification and/or to receive updates on the status of the issue.

Acknowledgements

Special thanks to Charlie Burris and Jerri Lynn Reeves for their technical input

Overview

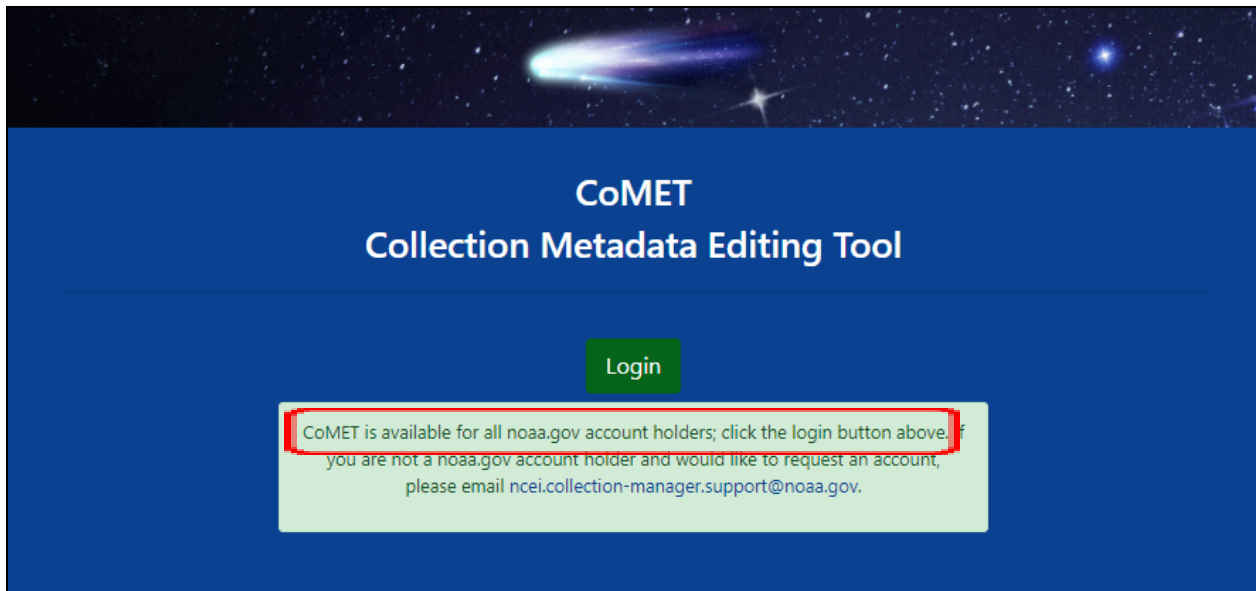
CoMET was created by the National Centers for Environmental Information (NCEI) to be NOAA's comprehensive and easy to use collection metadata creation and editing tool. It is a common registry for managing collection-level metadata and serves as a means for publishing metadata to the NOAA data search platforms. CoMET includes a Data Stewardship Maturity Questionnaire (DSMQ) and Data Management Plan (DMP) functionality.

This guide was developed to assist users with learning how to use CoMET quickly and efficiently. It allows users to create ISO compliant metadata and can support NCEI collection metadata templates. Upon completing the guide, the user should be familiar with the base functionality of CoMET and be able to create and edit existing metadata, as well as to perform a DSMM assessment with the use of the DSMQ form.

Log In

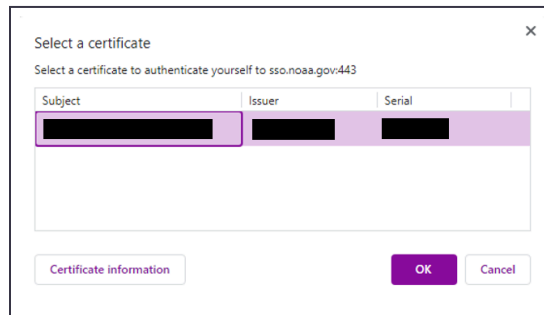
- Access CoMET at <https://data.noaa.gov/cedit/>
- Select 'Login'

*Note: Accounts are automatically created when New Users click on Login button
New User must have '@noaa.gov' email address*

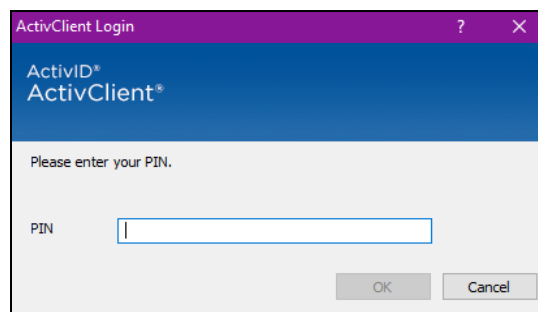


- Enter Username (email address without @noaa.gov) and email password OR
- Click 'NOAA ICAM SSO' button (recommended)

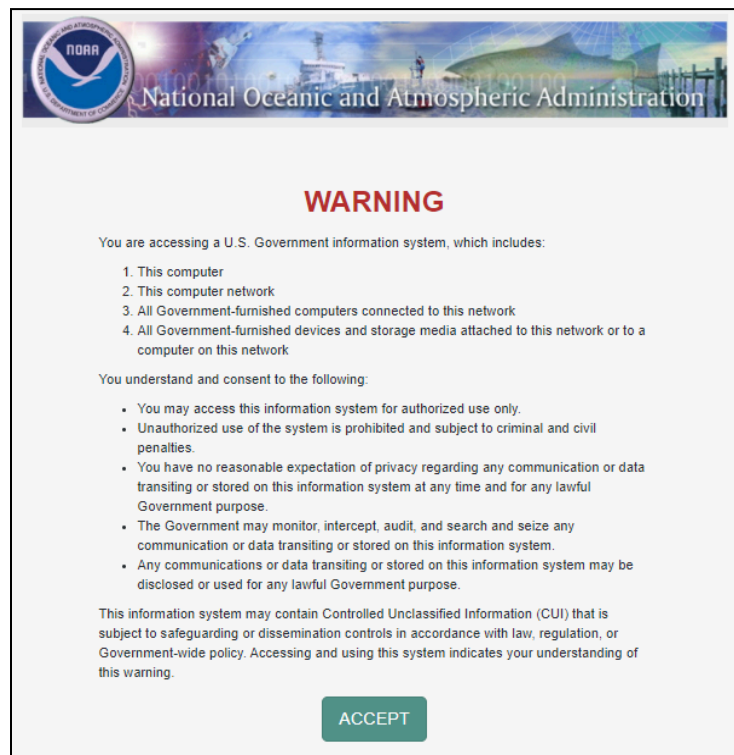
- ‘Select a certificate’, if prompted
 - Select same certificate used when logging into work computer



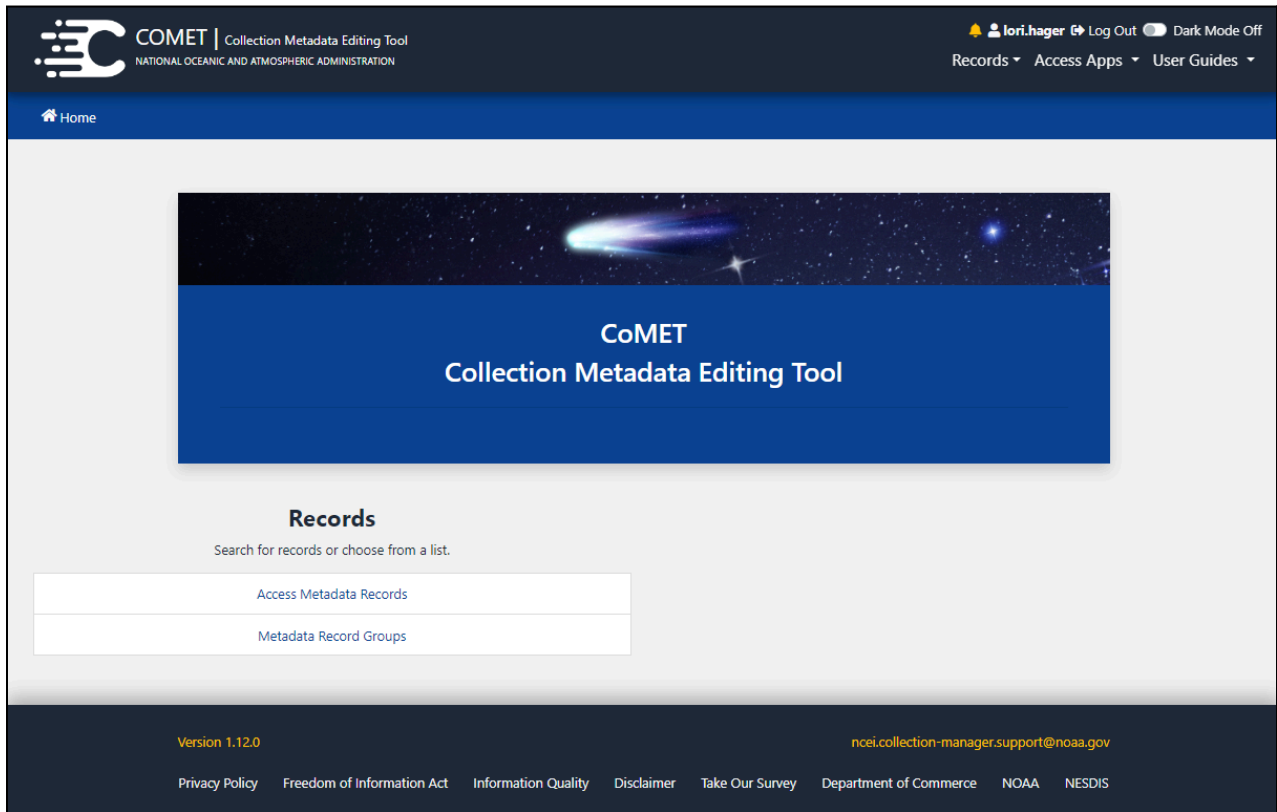
- Enter CAC PIN



- After authentication, a Warning page is displayed
 - Click ‘Accept’ to proceed



CoMET Landing Page/Home Page



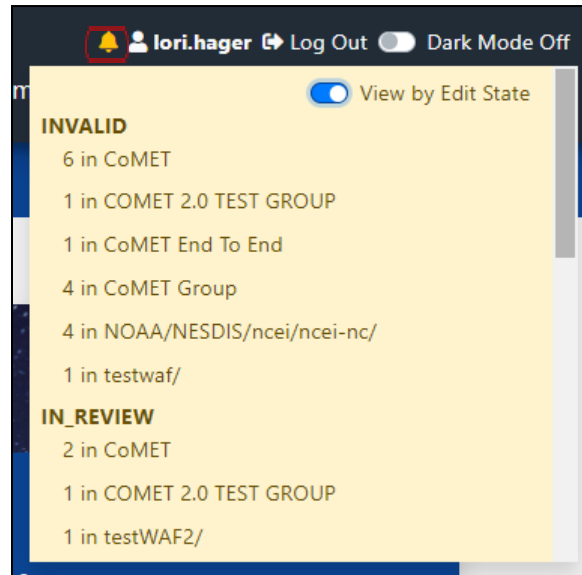
The screenshot shows the CoMET landing page. At the top left is the CoMET logo with the text "COMET | Collection Metadata Editing Tool" and "NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION". At the top right, there is a user profile for "lori.hager" with a "Log Out" button and a "Dark Mode Off" toggle. Below this are navigation links for "Records", "Access Apps", and "User Guides". A blue navigation bar contains a "Home" link. The main content area features a large blue banner with a space-themed background and the text "CoMET Collection Metadata Editing Tool". Below the banner is a "Records" section with a search prompt: "Search for records or choose from a list." This section contains two buttons: "Access Metadata Records" and "Metadata Record Groups". The footer includes the version number "Version 1.12.0", the email "ncei.collection-manager.support@noaa.gov", and a list of links: "Privacy Policy", "Freedom of Information Act", "Information Quality", "Disclaimer", "Take Our Survey", "Department of Commerce", "NOAA", and "NESDIS".

Notifications

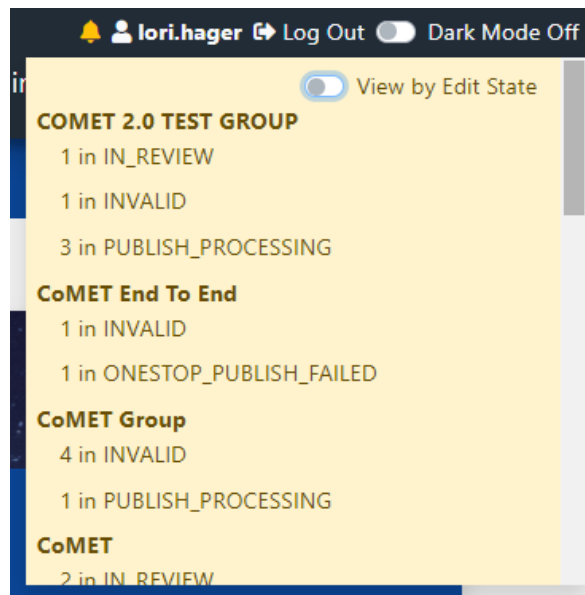
Note: Notifications icon can be accessed from any page (at top right corner)

User will see list of notifications for all record groups to which they have access

- To view notifications of records' statuses, in top right corner click 'yellow bell'
 - By default, records are listed by Edit State



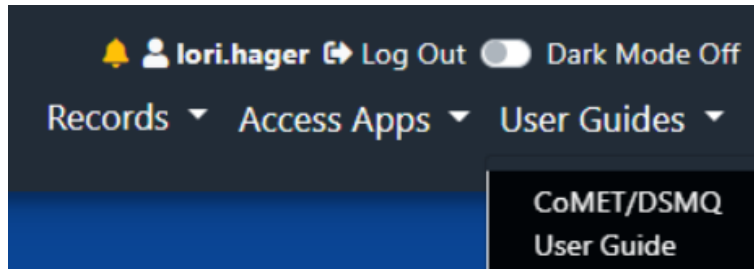
- To view by record group, click 'View by Edit State' off



- Click 'yellow bell' to close

Link to CoMET/DSMQ User Guide

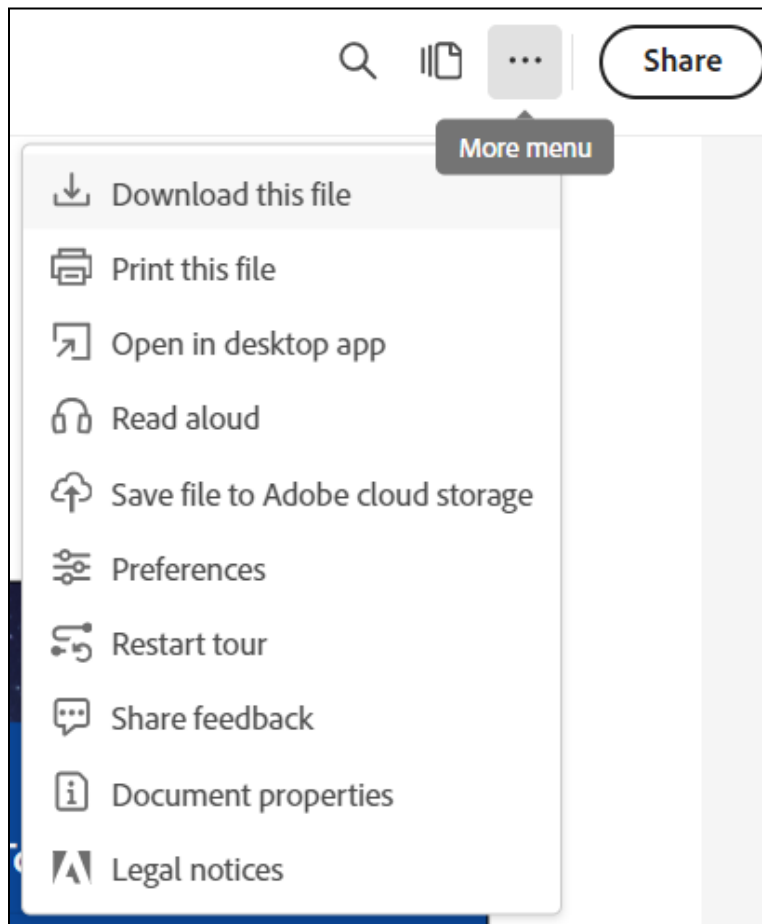
- At top right corner, click 'User Guides' drop-down
 - Select 'CoMET/DSMQ User Guide'



- Metadata site opens in new tab
 - Below Resources, click 'CoMET/DSMQ User Guide'



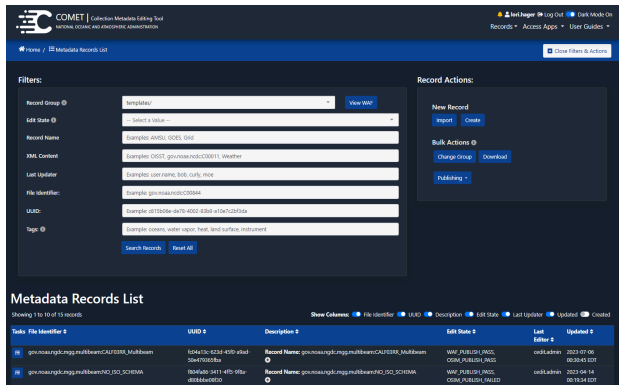
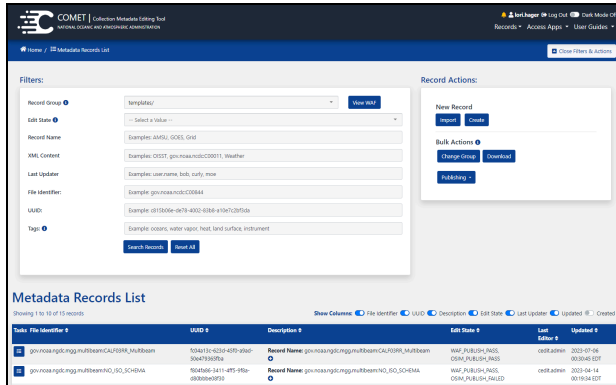
- Select 'More Menu' (three dots) to Download file, Open in desktop app, etc



Viewing Options

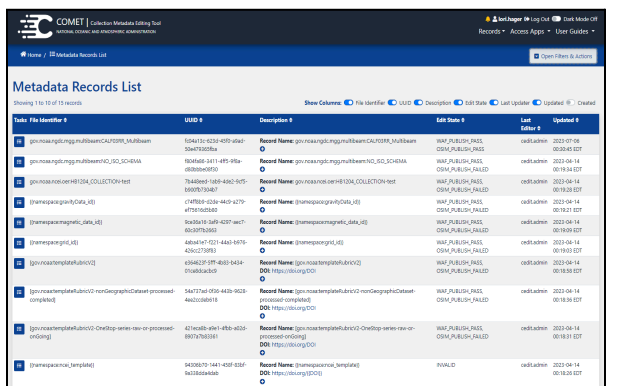
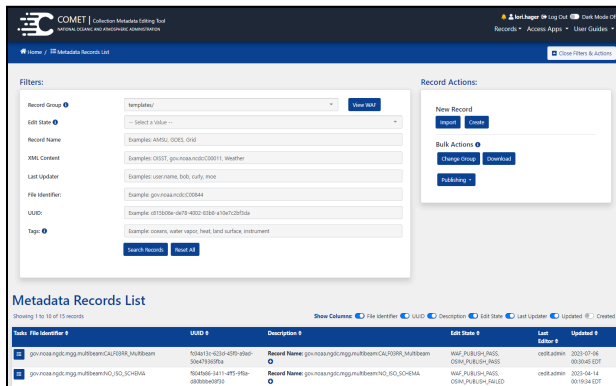
Dark Mode

- From any page, toggle button for 'Dark Mode' at top right corner of screen
 - 'Dark Mode On' or 'Dark Mode Off'



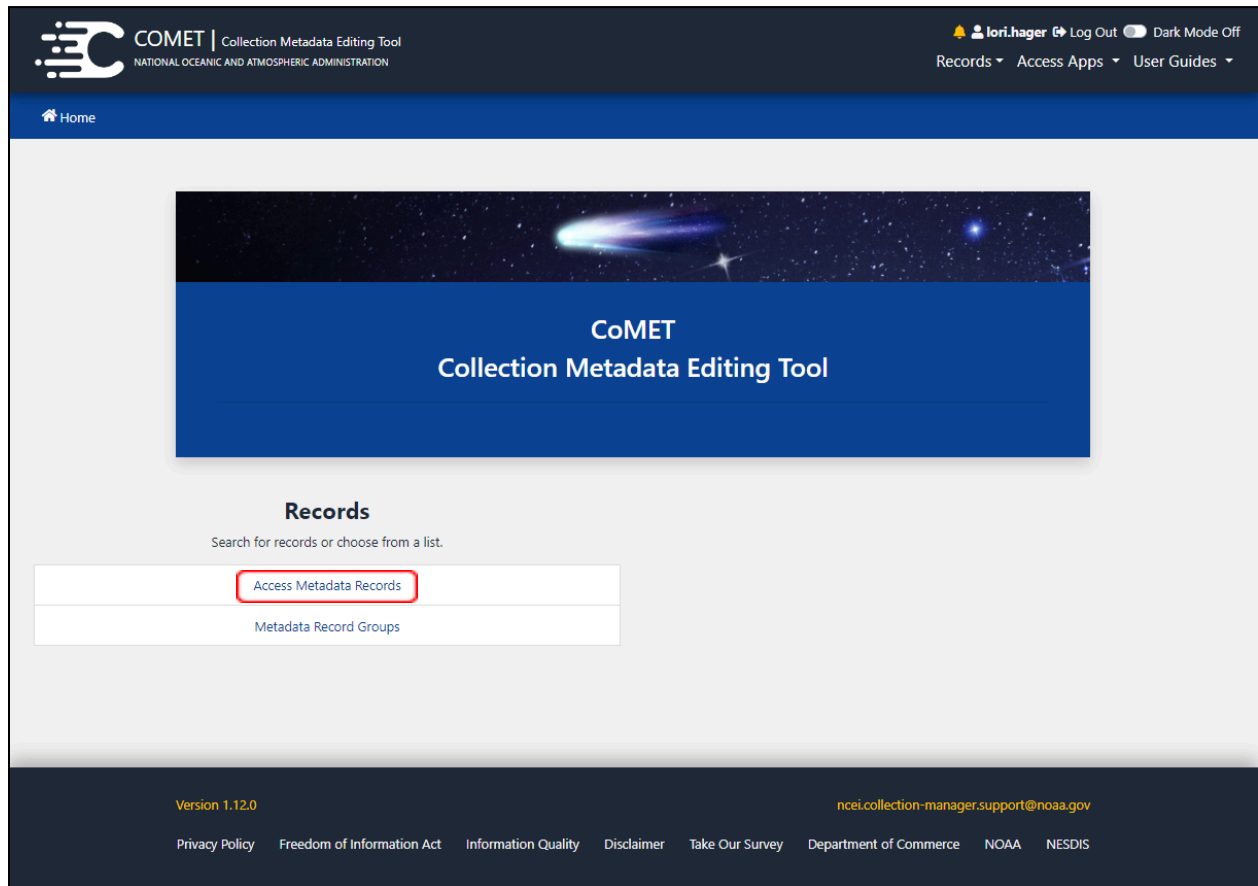
Streamline Page

- From Metadata Records List page, click 'Close Filters & Actions'
 - Toggle between 'Close Filters & Actions' and 'Open Filters & Actions'



Access Metadata Records

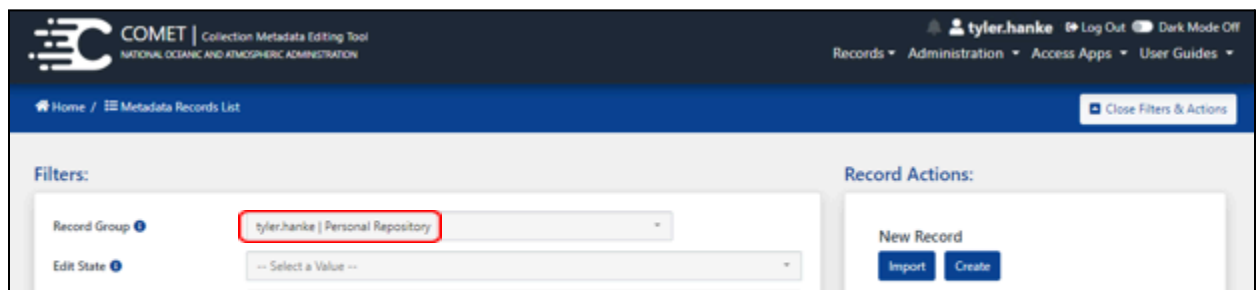
- To view user's list of Record Groups
 - From Home page, select 'Access Metadata Records'



New Users

(Existing users skip this section)

- Record Group with user's name and '| Personal Repository' created
 - User may create records in their repository
 - User is Group Manager for their repository
 - Group Manager may assign user to other groups they manage
 - Group Manager can move records from a user's repository to other groups they manage



Access Metadata Records, cont'd

- Select record group from 'Record Group' drop-down
 - Hover over blue and white 'i' for information about 'What is/are' a Record Group, Edit State, or Tags

Note: A Record Group must be selected prior to performing any actions

The screenshot displays the 'Metadata Records List' interface. At the top, there is a navigation bar with 'Home / Metadata Records List' and a 'Close Filters & Actions' button. Below this is a yellow warning box: 'Select a record group to copy, edit, view, import, or create a record.' The main area is divided into two panels. The 'Filters' panel on the left contains several input fields: 'Record Group' (a dropdown menu with '-- Select a Value --'), 'Edit State' (a dropdown menu with '-- Select a Value --'), 'Record Name' (text input with examples: AMSU, GOES, Grid), 'XML Content' (text input with examples: OISST, gov.noaa.ncdc:C00011, Weather), 'Last Updater' (text input with examples: user.name, bob, curly, moe), 'File Identifier' (text input with example: gov.noaa.ncdc:C00844), 'UUID' (text input with example: c815b06e-de78-4002-83b8-a10e7c2bf3da), and 'Tags' (text input with example: oceans, water vapor, heat, land surface, instrument). Below these fields are 'Search Records' and 'Reset All' buttons. The 'Record Actions' panel on the right contains a yellow message: 'To import, create, or perform bulk actions; please select a Record Group from the Filters panel.' Below the filters is the 'Metadata Records List' section, which shows 'Showing 0 record' and a 'Show Columns' section with toggle switches for 'File Identifier', 'UUID', 'Description', 'Edit State', 'Last Updater', 'Updated', and 'Created'. A table header is visible with columns: 'Tasks', 'File Identifier', 'UUID', 'Description', 'Edit State', 'Last Editor', and 'Updated'. A yellow message at the bottom of the table area reads: 'Please select a Record Group from the Filters panel above to copy, edit, or view metadata records.'

- Page is auto-populated with records from that group, as well as any actions permitted per profile
- If record group has associated WAF, 'View WAF' button displays to right of Record Group name
 - Click 'View WAF' to see all associated WAFs

The screenshot displays the COMET Metadata Editing Tool interface. At the top, the header includes the COMET logo and navigation links for Records, Administration, Access Apps, and User Guides. The main content area is divided into three sections:

- Filters:** A form with various input fields for Record Group, Edit State, Record Name, XML Content, Last Updater, File Identifier, UUID, and Tags. A red box highlights the 'View WAF' button next to the Record Group dropdown.
- Record Actions:** A panel with buttons for 'New Record' (Import, Create), 'Bulk Actions' (Change Group, Download), and 'Publishing'.
- Metadata Records List:** A table showing a list of records with columns for Tasks, File Identifier, Description, Edit State, Last Editor, and Updated. Two records are visible, each with expandable details for Record Name, DOI, and Tags.

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncdc:C01436_test	Record Name: gov.noaa.ncdc:C01436_test DOI: https://doi.org/10.7289/V5M043MH Tags:	PUBLISH_PROCESSING	lori.hager	2023-01-09 16:14:36 EST
	gov.noaa.ncei:82093997631775	Record Name: My special test DOI: https://doi.org/((DOI)) Tags:	ONESTOP_PUBLISH_FAILED	jerri.reeves	2022-07-19 11:40:32 EDT

Filters (optional)

- Filters panel allows limiting number of records by various criteria
 - Filter records by:
 - Edit State
 - Hover over blue and white 'i' for information about Edit States
 - Record Name
 - XML Content
 - Last Updater
 - File Identifier
 - UUID
 - Automatically generated or use own from XML
 - Tags
 - Hover over blue and white 'i' for information about Tags
 - Click 'Search Records' to apply filter(s)
 - Click 'Reset All' to clear filter(s)

Filters:

Record Group ⓘ trainingCoMET/ View WAF

Edit State ⓘ -- Select a Value --

Record Name Examples: AMSU, GOES, Grid

XML Content Examples: OISST, gov.noaa.ncdc:C00011, Weather

Last Updater Examples: user.name, bob, curly, moe

File Identifier: Example: gov.noaa.ncdc:C00844

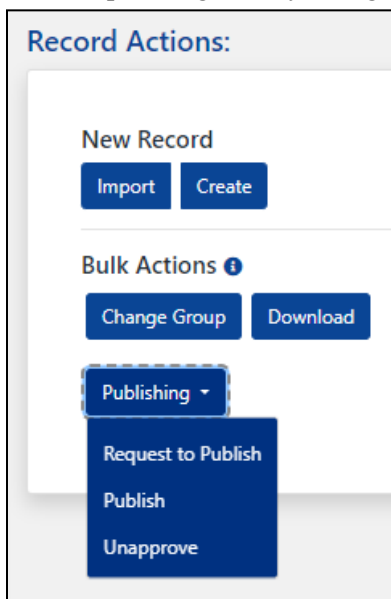
UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Tags ⓘ Example: oceans, water vapor, heat, land surface, instrument

Search Records Reset All

Record Actions

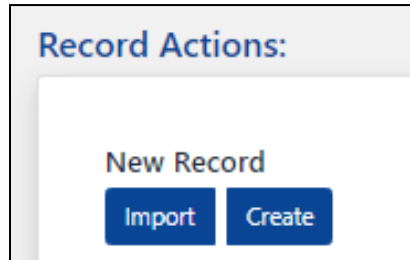
- Record Actions panel includes commonly-used actions
 - New Record
 - [Import](#)
 - Import one or multiple valid 19115-2 ISO XML files
 - [Create](#)
 - Create new records based on values in NCEI template
 - Bulk Actions
 - [Change Group](#) (action available only to Group Managers)
 - Allows records to be moved from one group to another
 - [Download](#)
 - Allows download of XML files
- If record group has associated WAF, 'Publishing' drop-down menu displays
 - [Publishing](#)
 - [Request to Publish](#)
 - Request a draft to be published
 - [Publish](#) (action available only to Publishers and Group Managers)
 - Publishers and Group Managers view records requested to be published
 - [Unapprove](#) (action available only to Publishers and Group Managers)
 - Publishers and Group Managers may change Edit State back to DRAFT



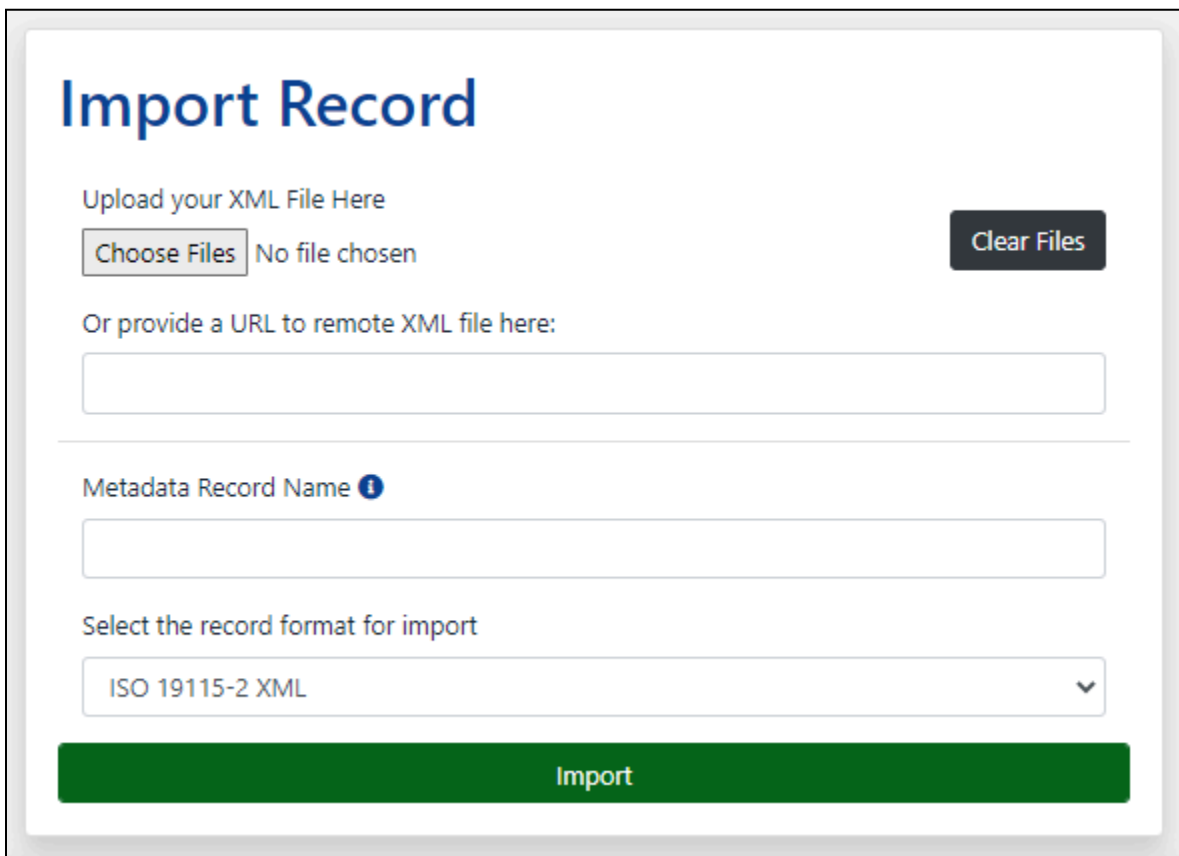
New Record

Import

- In Record Actions panel, click 'Import'

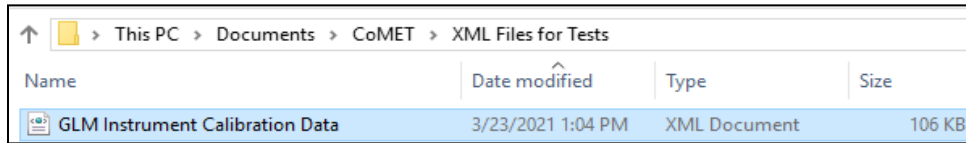


- 'Import Record' dialogue box opens
- Either click 'Choose Files' to upload XML file(s) saved on computer OR enter URL for remote XML file
 - All XML URLs must have XML extension
 - Multiple/Bulk files may be uploaded from computer
 - *Multiple/Bulk URLs are not supported and must be imported individually*

A screenshot of the 'Import Record' dialogue box. The title 'Import Record' is in large blue font. Below the title, there is a section 'Upload your XML File Here' with a 'Choose Files' button and the text 'No file chosen'. To the right of this section is a 'Clear Files' button. Below this is a section 'Or provide a URL to remote XML file here:' with a text input field. Below that is a section 'Metadata Record Name' with a text input field and a help icon. Below that is a section 'Select the record format for import' with a dropdown menu showing 'ISO 19115-2 XML'. At the bottom is a large green 'Import' button.

Upload an XML File

- Click 'Choose Files'
 - Select XML file from computer



- Hover over blue and white 'i' for information about 'What is a Metadata Record Name?'

The screenshot shows the 'Import Record' web form. It has a title 'Import Record' and a subtitle 'Upload your XML File Here'. There is a 'Choose Files' button and a 'Clear Files' button. Below this, there is a text input field for 'Or provide a URL to remote XML file here:'. The 'Metadata Record Name' field has a blue and white information icon. A tooltip is displayed over this icon with the following text:

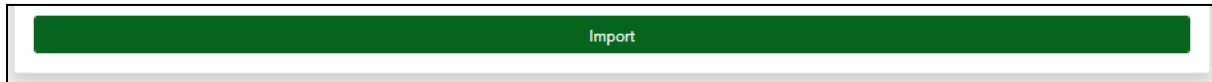
What is a Metadata Record Name?
This field is optional when importing a metadata record and defaults to the value inside the gmd:fileIdentifier tag if included in the XML content, or you can provide a name in the text box below.
Example Name: gov.noaa.ncdc:C00844
Note: If the gmd:fileIdentifier value or textbox entry are not provided, the metadata record name will default to 'Internal CoMET Record Name'. The metadata record name field can be updated at anytime in one of CoMET's editors.

Below the tooltip, there is a dropdown menu for 'Select the record format for' with 'ISO 19115-2 XML' selected. At the bottom is a large green 'Import' button.

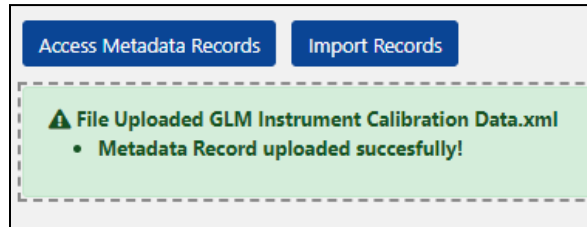
- Select Record Format from drop-down

The screenshot shows the 'Select the record format for import' dropdown menu. The dropdown is open, showing a list of options: 'ISO 19115-2 XML', 'ACDD NCML', 'CoMET Format XML', and 'ISO 19115-2 XML'. The first 'ISO 19115-2 XML' option is highlighted in blue.

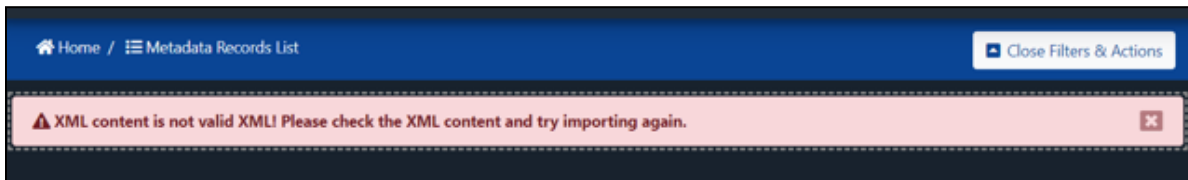
- Click 'Import'



- Get message 'Metadata Record uploaded successfully!'



- If XML is not valid, receive error message

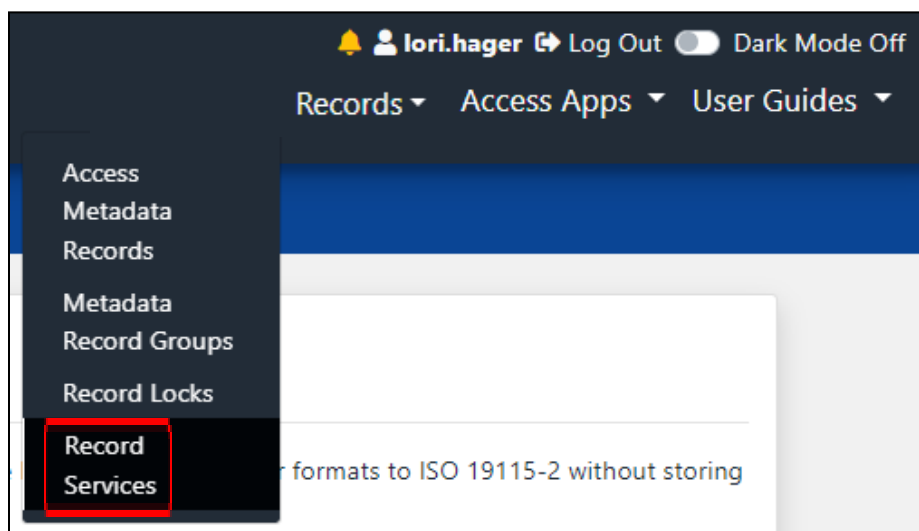


- To find errors, run '[Check XML Format](#)' in Record Services
 - Start at 'Choose Input'

Record Services

Record Services allows users to test various transformation and views, validate and resolve ISO, or transform other formats to ISO 19115-2 without storing data to the database or record group

- At top right corner, click 'Records' drop-down
 - Select 'Record Services'



Choose Input

- Either select 'File' and then click 'Choose File' to upload XML file saved on computer OR select 'URL' to enter URL for remote XML file

Record Services

Record Services allows you to test various transformation and views, validate and resolve ISO, or transform other formats to ISO 19115-2 without storing data to the database or record group.

Choose Input

File No file chosen

URL

- File name appears next to 'Choose File' button or in URL field

Record Services

Record Services allows you to test various transformation and views, validate and resolve ISO, or transform other formats to ISO 19115-2 without storing data to the database or record group.

Choose Input

File EXIS Instrument Calibration Data.xml

URL

Choose Service

**Note: Every service requires a 19139 Schema-Valid XML file
Check XML format prior to using other services**

- Click button next to 'Check XML Format'
 - Click 'Submit'

Choose Service

<input checked="" type="radio"/> Check XML Format	Check for well formed XML. Input: Any XML file.
<input type="radio"/> Resolve	Resolve URL references to components. Input: 19139 schema valid XML file
<input type="radio"/> ISO Validate	Validate metadata with 19139 Schema. Input: 19139 XML file
<input type="radio"/> Link Check (slow)	Verify online resource links within the ISO tag CI_OnlineResource are valid URLs.
<input type="radio"/> NCEI Landing Page	Generate the NCEI Landing page view based on a valid ISO 19115-2 XML file.
<input type="radio"/> ISO To Rubric V2	Generate IMPROVED completeness assessment report. Input: 19139 schema valid XML file
<input type="radio"/> ISO To Rubric V1	Generate completeness assessment report. Input: 19139 schema valid XML file
<input type="radio"/> NCML To Rubric V1	Generate completeness assessment report. Input: NetCDF XML
<input type="radio"/> NCML To ISO	Translate from NCML to ISO 19115-2. Input: ACDD compliant NetCDF XML
<input type="radio"/> FGDC To ISO	Translate from FGDC to ISO 19115-2. Input: FGDC compliant XML

Submit

- Message opens in new tab
 - If XML has no errors, get message 'Xml is well formed.' at top left corner of page

Xml is well formed.

- If XML has errors, only first error will be displayed
 - Correct error
 - Repeat Check XML Format instructions
 - Correct any additional errors

RecordServices EXCEPTION...Error on line 661: Element type "gmd:MD_LegalConstraints" must be followed by either attribute specifications, ">" or "/>".

- Close message tab and return to Record Services tab

Other Services

[Resolve](#)

[ISO Validate](#)

[Link Check \(slow\)](#)

[NCEI Landing Page](#)

[ISO to Rubric V2](#)

[ISO to Rubric V1](#)

[NCML to Rubric V1](#)

[NCML to ISO](#)

[FGDC To ISO](#)

Note: If errors in XML of files submitted to other services, error message appears

```
RecordServices EXCEPTION...Error on line 661: Element type "gmd:MD_LegalConstraints" must be followed by either attribute specifications, ">" or ">".
```

- Correct XML content and resubmit

Resolve

Resolve URL references to components. Input: 19139 schema valid XML file. Resolving records with Docucomp Components (Xlinks) allows users to see how the record will look published. This feature will

not resolve a component with errors, so this feature is a method to allow users to check that components are correct.

- XML opens in new tab

Note: Six highlighted ‘resourceConstraint’ tags are populated with XML

```

<gmd:resourceConstraints>
  <gmd:MD_LegalConstraints>
    <gmd:useLimitation>
      <gco:CharacterString>otherRestrictions</gco:CharacterString>
    </gmd:useLimitation>
    <gmd:otherConstraints>
      <gco:CharacterString>Cite as: {{Author(s)}}. {{Publication year}}: {{Title}}. {{Version}}. [indicate subset used]. NOAA National Centers for Environmental Information. https://doi.org/{{DOI}}. Accessed [date].</gco:CharacterString>
    </gmd:otherConstraints>
    <gmd:otherConstraints>
      <gco:CharacterString>{{cite as guidance}}: {{Last, First M.; Last, First M.; Last, First M. YYYY. Title. Version. [indicate subset used]. Publisher. volume, page https://doi.org/DOI}}</gco:CharacterString>
    </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints xlink:title="Distribution Liability">
  <gmd:MD_LegalConstraints uuid="dadd4ac3-2b9f-4db5-8603-71285b94c3d7">
    <gmd:accessConstraints>
      <gmd:MD_RestrictionCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_RestrictionCode" codeListValue="otherRestrictions">otherRestrictions</gmd:MD_RestrictionCode>
    </gmd:accessConstraints>
    <gmd:otherConstraints>
      <gco:CharacterString>Distribution liability: NOAA and NCEI make no warranty, expressed or implied, regarding these data, nor does the fact of distribution constitute such a warranty. NOAA and NCEI cannot assume liability for any damages caused by any errors or omissions in these data. If appropriate, NCEI can only certify that the data it distributes are an authentic copy of the records that were accepted for inclusion in the NCEI archives.</gco:CharacterString>
    </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints xlink:title="Use Liability">
  <gmd:MD_LegalConstraints uuid="e8163b1b-fb5a-4f4e-8d5c-ed06da10e21b">
    <gmd:useConstraints>
      <gmd:MD_RestrictionCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_RestrictionCode" codeListValue="otherRestrictions">otherRestrictions</gmd:MD_RestrictionCode>
    </gmd:useConstraints>
    <gmd:otherConstraints>
      <gco:CharacterString>Use liability: NOAA and NCEI cannot provide any warranty as to the accuracy, reliability, or completeness of furnished data. Users assume responsibility to determine the usability of these data. The user is responsible for the results of any application of this data for other than its intended purpose.</gco:CharacterString>
    </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
</gmd:aggregationInfo>

```

- Same XML file, but unresolved

Note: Four highlighted ‘resourceConstraint’ tags are populated with Xlinks

```

<gmd:resourceConstraints>
  <gmd:MD_LegalConstraints>
    <gmd:useLimitation>
      <gco:CharacterString>otherRestrictions</gco:CharacterString>
    </gmd:useLimitation>
    <gmd:otherConstraints>
      <gco:CharacterString>Cite as: {{Author(s)}}. {{Publication year}}: {{Title}}. {{Version}}. [indicate subset used]. NOAA National Centers for Environmental Information https://doi.org/{{DOI}}. Accessed [date].</gco:CharacterString>
    </gmd:otherConstraints>
    <gmd:otherConstraints>
      <gco:CharacterString>{{cite as guidance}}: {{Last, First M.; Last, First M.; Last, First M. YYYY. Title. Version. [indicate subset used]. Publisher. volume, page https://doi.org/DOI}}</gco:CharacterString>
    </gmd:otherConstraints>
  </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints xlink:href="https://data.noaa.gov/docucomp/dadd4ac3-2b9f-4db5-8603-71285b94c3d7" xlink:title="Distribution Liability"/>
<gmd:resourceConstraints xlink:href="https://data.noaa.gov/docucomp/e8163b1b-fb5a-4f4e-8d5c-ed06da10e21b" xlink:title="Use Liability"/>
</gmd:aggregationInfo>

```

ISO Validate

Validate metadata with 19139 Schema. Input: 19139 XML file

- 19139 Schema-valid ISO

Validation Report

Invalid Records for Collection

Date measured: Mon Apr 15 14:52:40 EDT 2024

Metric	Value
Invalid Record count	0
Non-ISO Records Count	

No errors found :-)

Link Check (slow)

Verify CI_OnlineResource URLs are valid. Input: 19139 schema valid XML file. This service is noted as slow as it does not run as fast as the others.


- Checks for broken [CI_OnlineResource](#) links
 - No broken links


```
Number of Unique Bad OnlineResource URLs = 0   Total URL hits = 0
```

NCEI Landing Page

Generate the NCEI Landing page view

- Input: 19139 schema valid XML file


NOAA NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

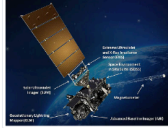


Home | Climate Information | Data Access | Customer Support | Contact | About

Home > Catalog > Dataset Overview

NOAA GOES-R Series Geostationary Lightning Mapper (GLM) Instrument Calibration Data

GLM-INST-CAL-ENG



The Geostationary Lightning Mapper is a single-channel, near-infrared optical transient detector that detects the momentary changes in an optical scene, indicating the presence of lightning. GLM measures total lightning activity continuously over the Americas and adjacent ocean regions with near uniform spatial resolution of approximately 10 km. GLM provides early predictions of intensifying storms and severe weather events. It also provides data for long-term climate studies. The instrument aids forecasting of weather events that could affect aviation safety and efficiency. GLM is unique both in how it operates and in the information it collects. While ground-based sensors only provide cloud-to-ground lightning coverage, GLM provides total lightning activity detection with both cloud-to-ground and cloud-to-cloud coverage. Also, ground-based systems can only provide coverage over land. GLM identifies growing, active and potentially destructive lightning.

[Show more...](#)

Dataset Citation

Dataset Identifiers


ISO 19115-2 Metadata

GOES-R satellite illustration

Access
Time & Location
Documentation
Description
Credit
Keywords
Constraints
Lineage

Order Data	NOAA Comprehensive Large Array-data Stewardship System (CLASS) Data Search and Order (order) Search the data archive and submit an order for the dataset via the interface
Distribution Formats	<ul style="list-style-type: none"> • netCDF (Version:4)
Distributor	Customer Engagement Branch <i>DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce</i> 1-828-271-4800 ncei.orders@noaa.gov
Dataset Point of Contact	Customer Engagement Branch <i>DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce</i> 1-828-271-4800 ncei.orders@noaa.gov

Last Modified: 2021-02-04
For questions about the information on this page, please email ncei.orders@noaa.gov



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ISO to Rubric V2

Generate V2 completeness assessment report

- Input: 19139 schema valid XML file

Completeness Rubric for: NOAA GOES-R Series Geostationary Lightning Mapper (GLM) Instrument Calibration Data

Completeness Score: 81% + 18

Resource Hierarchy Level: 'dataset' — Status: 'onGoing'

Category	Score + Extra Credit	Rubric Requirements
Identification	100% + 3 Required	
Access	100% + 0 Conditional - not required when Resource Hierarchy Level = 'FileSet' or Status = 'stalled'	
Coverage	100% + 2 Required	
Content	0% + 0 Conditional - not required when Resource Hierarchy Level = 'TextSet'	
History	75% + 5 Required	
Quality	0% + 0 Conditional - not required when Resource Hierarchy Level = 'TextSet'	
Connections	100% + 1.0 Required	
Metadata	100% + 1 Required	
Associated Resource	+ 2 Highly Recommended	
Attribution	+ 4 Highly Recommended	

ABOUT COMPLETENESS RUBRIC
MORE INFORMATION
CONTACT

Identification Access Coverage Content History Quality Connection Metadata Resources Attribution

Identification Category 9/9 - 3 The Identification Category provides content needed for basic discovery of the resource. It includes the title, an abstract, theme keywords, point of contact, status and Resource Hierarchy Level.

Label (count)	Rule	Score	Metadata Content	Guidance XPath and ISO Explorer Links
Resource Hierarchy Level (1)	Required	1	dataset	//gmi:MI_Metadata/gmd:hierarchyLevel/gmd:MD_ScopeCode/@codeListValue
Resource Title (1)	Required	1	NOAA GOES-R Series Geostationary Lightning Mapper (GLM) Instrument Calibration Data	//gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:title
Resource ID (2)	Recommended	EC	gov.noaa.data.GLMINVCAL gov.noaa.nodc.CD1529	//gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/gmd:code
Abstract (1)	Required	1	The Geostationary Lightning Mapper is a single-channel, near-infrared optical transient detector that detects the momentary changes in an optical scene, indicating the presence of lightning. GLM measures total lightning activity continuously over the L460.	//gmd:MD_DataIdentification/gmd:abstract
Purpose (1)	Required	1	These instrument calibration data can be used to evaluate, monitor, and trend sensor performance.	//gmd:MD_DataIdentification/gmd:purpose
Resource Date (1)	Required	1	2015-01-01 - publication	//gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:date/gmd:CI_Date or gmd:CI_Date/gmd:date/@gco:nilReason
Status (1)	Required	1	onGoing	//gmd:MD_DataIdentification/gmd:status/gmd:MD_ProgressCode/@codeListValue
Browse Graphic (1)	Recommended	EC	https://www1.nodc.noaa.gov/pub/data/metadata/images/SEIS-INST-CAL-ENG.jpg	//gmd:MD_DataIdentification/gmd:graphicOverview/gmd:MD_BrowseGraphic/gmd:fileName
Topic Category (1)	Required	1	climatology/Meteorology/Atmosphere	//gmd:MD_DataIdentification/gmd:topicCategory/gmd:MD_TopicCategoryCode
Theme Keywords (2)	Required	1	Earth Science > Spectral/Engineering > Infrared Wavelengths > Sensor Counts Earth Science > Spectral/Engineering > Visible Wavelengths > Sensor Counts	//gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode/@codeListValue=theme/gmd:keyword
Theme Keyword Thesaurus (1)	Recommended	EC	Global Change Master Directory (GCMD) Science Keywords	//gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode/@codeListValue=theme/gmd:thesaurusName/gmd:CI_Citation/gmd:title
Resource Contact (1)	Required	1	DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce - Customer Engagement Branch - pointOfContact	//gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:citedResponsibleParty/gmd:CI_ResponsibleParty/gmd:role/gmd:CI_RoleCode/@codeListValue=pointOfContact //gmd:MD_DataIdentification/gmd:pointOfContact

ISO to Rubric V1

Generate a V1 completeness assessment report

- Input: 19139 schema valid XML file

[Back to Collection](#)
[View Metadata As: HTML - 19115 XML](#)
[Assess Metadata For: Components](#)

ISO 19115 SpiralTracker Report

This report identifies ISO metadata elements described in spirals of documentation development described in [Creating Good Documentation](#). Together these spirals build a strong foundation for high-quality documentation. The ISO Standard includes a number of options for building on that foundation by addressing specific scientific needs. See [Link Cases to CRUD](#) for some examples.

The elements are listed by name and are followed by M, C, or O if they are Mandatory, Conditional or Optional. They are followed by UDD (attribute name) if they are included in the [NetCDF Attribute Convention for Dataset Discovery](#).

The ISO 19115 Standard recommends [Core Elements](#) for inclusion in metadata. This tool tests also conformance with those recommendations.

The Rubric at the top of the report summarizes the results. Each spiral is represented by a row in the rubric. The columns show the % of the elements in that spiral that exist in the record. Click the spiral name for more details.

This report is produced using this [script](#). Please contact [metadata support](#) if you have questions or suggestions.

The tables included below include a [Path](#) that give the locations of the elements included in the rubric in the ISO XML schema.

Title: NOAA GOES-R Series Geostationary Lightning Mapper (GLM) Instrument Calibration Data

Total Spiral Score: 30/41

Spiral	None ☆☆☆☆☆	1-33% ☆☆☆☆☆	34-66% ☆☆☆☆☆	67-99% ☆☆☆☆☆	All ☆☆☆☆☆
Total Spiral					
Identification					
Connection					
Extent					
Distribution					
Description					
Content	☆☆☆☆☆				
Lineage					
Acquisition Information					

Total ISO Core Score: 19/23

Note: The Total ISO Core Score does not count toward the Total Spiral Score

Spiral	None ☆☆☆☆☆	1-33% ☆☆☆☆☆	34-66% ☆☆☆☆☆	67-99% ☆☆☆☆☆	All ☆☆☆☆☆
Total Core Score					
ISO Core Mandatory					
ISO Core Conditional					
ISO Core Optional					

[Identification](#) | [Extent](#) | [Connection](#) | [Distribution](#) | [Description](#) | [Content](#) | [Lineage](#) | [Acquisition Information](#)

Identification Score: 9/9

The Identification Spiral sets the stage for discovery using text search engines. It includes a unique identifier for the metadata, a title, an abstract, theme keywords and contact information for the metadata and the dataset.

Score	Attribute (Count)	Description	Recommended Practice	Path
9	Metadata Identifier (1)	A unique phrase or string which uniquely identifies the metadata file.	Each metadata record shall include a character string as a unique identifier. There are two general approaches to ensuring uniqueness for these:	/gnd:fileIdentifier

NCML to Rubric V1

Generate a completeness assessment report

- Input: NetCDF XML

NetCDF Attribute Convention for Dataset Discovery Report

The [NetCDF Attribute Convention for Data Discovery](#) provides recommendations for netCDF attributes that can be added to netCDF files to facilitate discovery of those files using structured metadata searches. This tool tests conformance with those recommendations using this [script](#). [New Information on Conventions and Tools](#).

Title: AF EDR

Total Score: 22/46

General File Characteristics

Number of Global Attributes: 29
 Number of Variables: 0
 Number of Variable Attributes: 0
 Number of Standard Names: 0
 Number of Services: 0

Spiral	None ☆☆☆☆☆	1-33% ☆☆☆☆☆	34-66% ☆☆☆☆☆	67-99% ☆☆☆☆☆	All ☆☆☆☆☆
Title			X		
Text Search			X		X
Index Search		X			
Other Search Information		X			
Contributor Search	X			X	
Publisher Search					X
Other Attributes			X		

Identification / Metadata Reference Score: 4/4

An metadata should have one or more mandatory and recommended practices in it because it is important to be able to unambiguously identify and refer to specific records. This is facilitated by including an identifier in the metadata. Some individuals may not realize that these identifiers are unique. This is accomplished by specifying the naming authority or namespace for the identifier. It is the responsibility of the creator of the namespace to ensure that the identifiers in that namespace are unique. Identifying the Metadata Convention, format used in the file and providing a link to more complete metadata, possibly using a different convention, are also important.

Score	Attribute	Description	THRESHOLD	ISO 19115-2
4	id	The combination of the "naming authority" and the "id" should be a globally unique identifier for the dataset.	datasetId	gnd:MI_Metadata/gnd:fileIdentifier gnd:CharacterString
4	id/unique_authority			gnd:MI_Metadata/gnd:fileIdentifier gnd:CharacterString
4	Metadata Conventions	This attribute should be set to "Userdata Dataset Discovery v1.0" for NetCDF files that follow this convention.		
4	Metadata Link or Metadata Link	This attribute provides a link to a complete metadata record for this dataset or the collection that contains this dataset. The attribute is not included in Section 3.1 of the Userdata Dataset Discovery to recommend new metadata a complete metadata convention, for inclusion will likely contain more information than can be included in previous formats. This attribute contains a link to that information.		

[Identification](#) | [Text Search](#) | [Index Search](#) | [Other Search Information](#) | [Contributor Search](#) | [Publisher Search](#) | [Other Attributes](#)

Text Search Score: 4/7

Text searches are a very important mechanism for data discovery. This group includes attributes that contain descriptive data that could be the target of these searches. Some of these attributes, for example title and summary, might also be displayed in the results of text searches.

Score	Attribute	Description	THRESHOLD	ISO 19115-2
4	Title	A short description of the dataset.	datasetName	gnd:MI_Metadata/gnd:fileIdentifier gnd:MD_ThumbnailFrom gnd:datasetName gnd:C1_Citation/gnd:fileIdentifier gnd:CharacterString
4	Summary	A paragraph describing the dataset.	summary	gnd:MI_Metadata/gnd:fileIdentifier gnd:MD_ThumbnailFrom gnd:summary gnd:CharacterString
4	Keywords	A comma separated list of key words and phrases.	metadata:keywords	gnd:MI_Metadata/gnd:fileIdentifier gnd:MD_ThumbnailFrom gnd:keywords gnd:MD_Keywords/gnd:keyword gnd:CharacterString
4	id/unique_authority	If you are providing a URL for the keywords in your "key words" attribute, put the name of that website here.	metadata:keywords:uniqueAuthority	gnd:MI_Metadata/gnd:fileIdentifier gnd:MD_ThumbnailFrom gnd:keywords gnd:MD_Keywords/gnd:keyword gnd:C1_Citation/gnd:fileIdentifier gnd:CharacterString
4	Metadata Name: variable	The name of the controlled vocabulary, from which variable standard names are taken.	metadata:variable:uniqueAuthority	gnd:MI_Metadata/gnd:fileIdentifier gnd:MD_ThumbnailFrom gnd:variable:uniqueAuthority gnd:MD_Keywords/gnd:keyword gnd:C1_Citation/gnd:fileIdentifier gnd:CharacterString
4	History	Provides an ordered list for modifications to the original data.	history	gnd:MI_Metadata/gnd:fileIdentifier gnd:MD_ThumbnailFrom gnd:history gnd:MD_Lineage/gnd:version gnd:CharacterString
4	Documentation	Discipline-specific information about the data.	metadata:documentation	gnd:MI_Metadata/gnd:fileIdentifier gnd:MD_ThumbnailFrom gnd:documentation

[Identification](#) | [Text Search](#) | [Index Search](#) | [Other Search Information](#) | [Contributor Search](#) | [Publisher Search](#) | [Other Attributes](#)

NCML to ISO

Translate from NCML to ISO 19115-2

- Input: ACDD compliant NetCDF XML

```

This XML file does not appear to have any style information associated with it. The document tree is shown below.
<gmi:MI_Metadata xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd"
xmlns:gml="http://www.isotc211.org/2005/gml" xmlns:gsr="http://www.isotc211.org/2005/srv" xmlns:gmx="http://www.isotc211.org/2005/gmx"
xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:gml="http://www.opengis.net/gml/3.2"
xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xs="http://www.w3.org/2001/XMLSchema" xsi:schemaLocation="http://www.isotc211.org/2005/gml
https://data.noaa.gov/resources/iso19139/schema.xsd">
  <gmd:fileIdentifier gco:nilReason="missing"/>
  <gmd:language>
    <gmd:LanguageCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#LanguageCode" codeListValue="eng">eng</gmd:LanguageCode>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_CharacterSetCode"
codeListValue="UTF8">UTF8</gmd:MD_CharacterSetCode>
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_ScopeCode"
codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:hierarchyLevel>
  <gmd:contact gco:nilReason="missing"/>
  <gmd:dateStamp>
    <gco:Date/>
  </gmd:dateStamp>
  <gmd:metadataStandardName>
    <gco:CharacterString>ISO 19115-2 Geographic Information - Metadata Part 2 Extensions for imagery and gridded data</gco:CharacterString>
  </gmd:metadataStandardName>
  <gmd:metadataStandardVersion>
    <gco:CharacterString>ISO 19115-2:2009(E)</gco:CharacterString>
  </gmd:metadataStandardVersion>
  <gmd:spatialRepresentationInfo gco:nilReason="missing"/>
  <gmd:identificationInfo>
    <gmd:MD_DataIdentification id="DataIdentification">
      <gmd:citation>
        <gmd:CI_Citation>
          <gmd:title gco:nilReason="missing"/>
          <gmd:date gco:nilReason="missing"/>
          <gmd:identifier gco:nilReason="missing"/>
        </gmd:CI_Citation>
        <gmd:citation>
          <gmd:abstract gco:nilReason="missing"/>
          <gmd:pointOfContact gco:nilReason="missing"/>
        </gmd:citation>
        <gmd:language>
          <gco:CharacterString>eng</gco:CharacterString>
        </gmd:language>
        <gmd:topicCategory>
          <gmd:MD_TopicCategoryCode>climatologyMeteorologyAtmosphere</gmd:MD_TopicCategoryCode>
        </gmd:topicCategory>
        <gmd:extent gco:nilReason="missing"/>
      </gmd:MD_DataIdentification>
    </gmd:identificationInfo>
    <gmd:MD_MaintenanceInformation>
      <gmd:maintenanceAndUpdateFrequency gco:nilReason="unknown"/>
      <gmd:maintenanceNote>
        <gco:CharacterString>This record was translated from NetCDF using UnidataOD2MI.xsl Version 2.3.4. (2024-04-15T15:56:36-0800)</gco:CharacterString>
      </gmd:maintenanceNote>
    </gmd:MD_MaintenanceInformation>
  </gmd:metadataStandardName>
</gmi:MI_Metadata>

```

FGDC To ISO

Translate from FGDC to ISO 19115-2

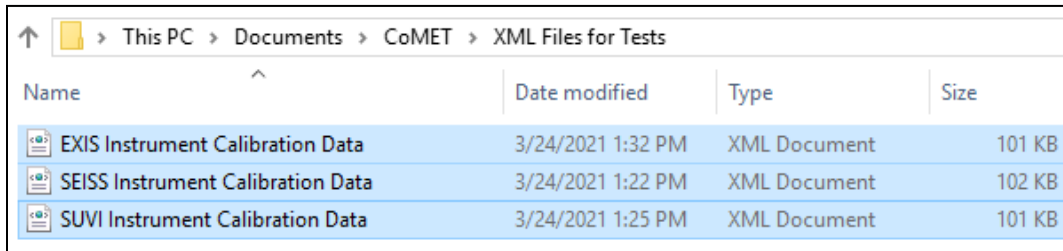
```

This XML file does not appear to have any style information associated with it. The document tree is shown below.
<gmi:MI_Metadata xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gml="http://www.isotc211.org/2005/gml"
xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.isotc211.org/2005/gml https://data.noaa.gov/resources/iso19139/schema.xsd">
  <gmd:fileIdentifier/>
  <gmd:language>
    <gco:CharacterString>eng; USA</gco:CharacterString>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodeLists.xml#MD_CharacterSetCode" codeListValue="utf8">utf8</gmd:MD_CharacterSetCode>
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodeLists.xml#MD_ScopeCode" codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:hierarchyLevel>
  <gmd:dateStamp>
    <!-- -->
    <gco:Date>9999-01-01</gco:Date>
  </gmd:dateStamp>
  <gmd:metadataStandardName>
    <gco:CharacterString>ISO 19115-2 Geographic Information - Metadata - Part 2: Extensions for Imagery and Gridded Data</gco:CharacterString>
  </gmd:metadataStandardName>
  <gmd:metadataStandardVersion>
    <gco:CharacterString>ISO 19115-2:2009(E)</gco:CharacterString>
  </gmd:metadataStandardVersion>
  <gmd:metadataMaintenance>
    <gmd:maintenanceAndUpdateFrequency>
      <gmd:MD_MaintenanceFrequencyCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_MaintenanceFrequencyCode"
codeListValue="annually">annually</gmd:MD_MaintenanceFrequencyCode>
    </gmd:maintenanceAndUpdateFrequency>
    <gmd:maintenanceNote>
      <gco:CharacterString>This metadata was automatically generated from the standard (version ) using the 2016-10-18 version of the FGDC RSE to ISO 19115-2 transform.
</gco:CharacterString>
    </gmd:maintenanceNote>
    <gmd:maintenanceNote>
      <gco:CharacterString>Translated from FGDC 2024-04-15T15:58:10.05-04:00</gco:CharacterString>
    </gmd:maintenanceNote>
  </gmd:MD_MaintenanceInformation>
</gmd:metadataMaintenance>
</gmi:MI_Metadata>

```

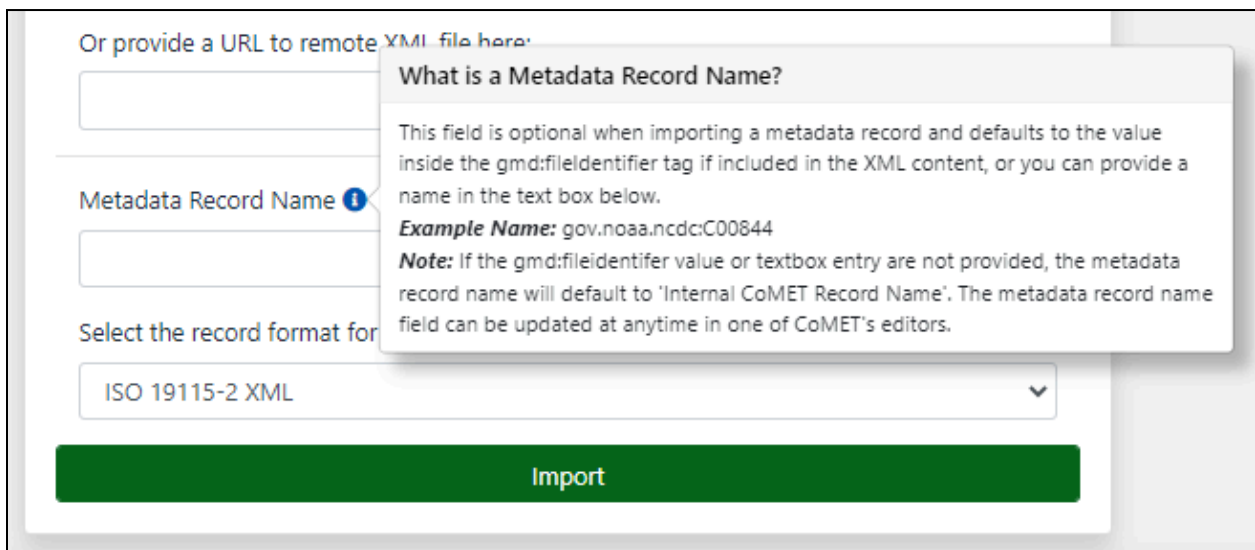
Upload Multiple/Bulk XML Files

- Click 'Choose Files'
 - Select XML files from computer



Name	Date modified	Type	Size
EXIS Instrument Calibration Data	3/24/2021 1:32 PM	XML Document	101 KB
SEISS Instrument Calibration Data	3/24/2021 1:22 PM	XML Document	102 KB
SUVI Instrument Calibration Data	3/24/2021 1:25 PM	XML Document	101 KB

- Hover over blue and white 'i' for information about 'What is a Metadata Record Name?'



Or provide a URL to remote XML file here:

Metadata Record Name ⓘ

Select the record format for import

ISO 19115-2 XML

Import

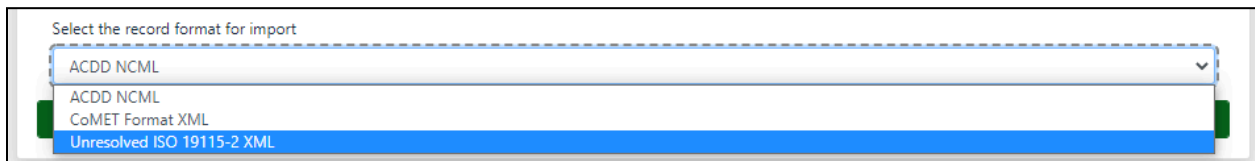
What is a Metadata Record Name?

This field is optional when importing a metadata record and defaults to the value inside the gmd:fileIdentifier tag if included in the XML content, or you can provide a name in the text box below.

Example Name: gov.noaa.ncdc:C00844

Note: If the gmd:fileIdentifier value or textbox entry are not provided, the metadata record name will default to 'Internal CoMET Record Name'. The metadata record name field can be updated at anytime in one of CoMET's editors.

- Select Record Format from drop-down



Select the record format for import

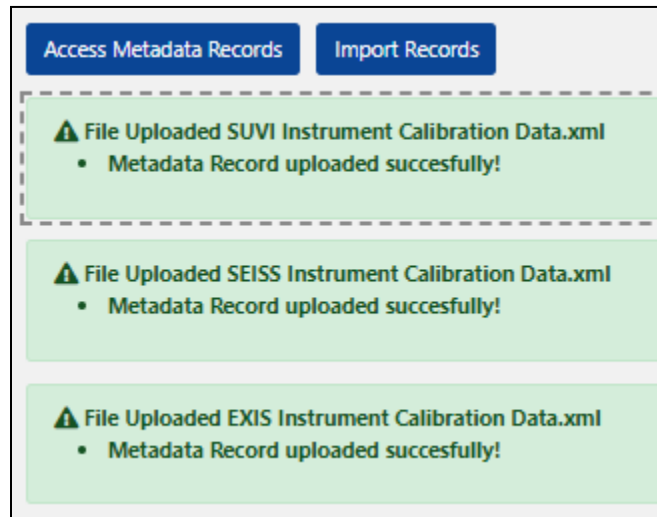
- ACDD NCML
- ACDD NCML
- CoMET Format XML
- Unresolved ISO 19115-2 XML

- Click 'Import'



Import

- Receive message for each record: ‘Metadata Record uploaded successfully!’



URL To Remote XML File

- Type or paste URL into ‘Or provide a URL . . .’ field

The screenshot shows the 'Import Record' form. It has a title 'Import Record' and a subtitle 'Upload your XML File Here'. There are two options for uploading: 'Choose Files' (with 'No file chosen' text) and 'Clear Files'. Below this is a text input field for a URL, containing 'https://www.ncei.noaa.gov/metadata/geoportals/rest/metadata/item/gov.noaa.nodc%3AGHRSST-AHI_H08-STAR-L2P/html'. There is a 'Metadata Record Name' field with a help icon. Below that is a dropdown menu for 'Select the record format for import', currently set to 'ISO 19115-2 XML'. At the bottom is a large green 'Import' button.

- Hover over blue and white 'i' for information about 'What is a Metadata Record Name?'

Import Record

Upload your XML File Here
 No file chosen

Or provide a URL to remote XML file here:

Metadata Record Name ⓘ

Select the record format for import:

What is a Metadata Record Name?
 This field is optional when importing a metadata record and defaults to the value inside the gmd:fileIdentifier tag if included in the XML content, or you can provide a name in the text box below.
Example Name: gov.noaa.ncdc:C00844
Note: If the gmd:fileIdentifier value or textbox entry are not provided, the metadata record name will default to 'Internal CoMET Record Name'. The metadata record name field can be updated at anytime in one of CoMET's editors.

- Select Record Format from drop-down

Select the record format for import

- ISO 19115-2 XML
- ACDD NCML
- CoMET Format XML
- ISO 19115-2 XML

- Click 'Import'

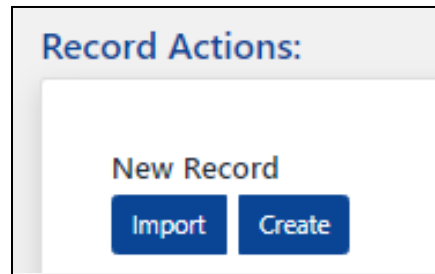
- Get message 'Metadata Record uploaded successfully!'

File Uploaded <https://www.ncei.noaa.gov/metadata/geoportal/rest/metadata/item/gov.noaa.ncdc:C00803/xml>

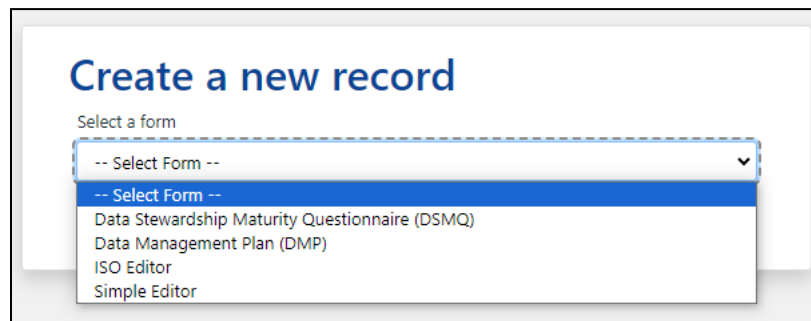
- Metadata Record uploaded successfully!

Create

- In Record Actions panel, click 'Create'



- From 'Create a new record' drop-down menu, select a form



Data Stewardship Maturity Questionnaire (DSMQ)

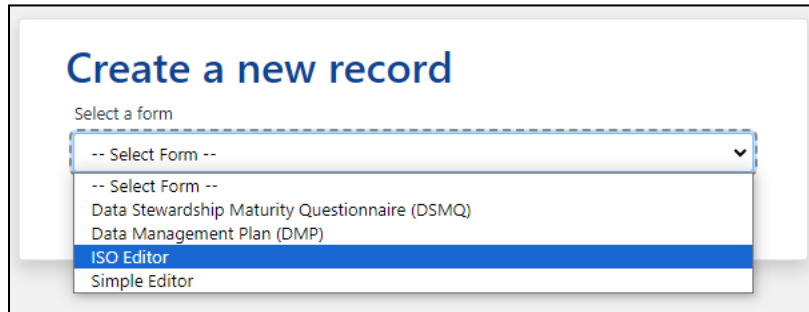
- DSMQ is an easy to use tool for assessing stewardship quality of digital environmental datasets
 - Based on Data Stewardship Maturity Matrix (DSMM)
- If metadata record will be published in OSIM (OneStop Inventory Manager), completing a DSMQ allows user to take advantage of OSIM's unique relevancy ranking feature
 - It may help metadata appear higher in search results
- Future functionality will allow user to generate a Data Stewardship Maturity Report (DSMR) based on answers provided in DSMQ
 - Report may be published under DSMR Technical Information Series with NOAA Central Library's Institutional Repository (IR)
 - Reports submitted to IR receive a Digital Object Identifier (DOI) that can be used for citability and tracking purposes by author
- See [DSMQ](#) instructions

Data Management Plan (DMP)

- In development

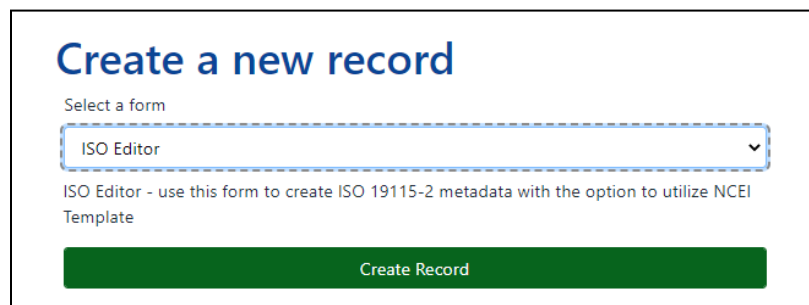
ISO Editor

- From 'Select a form' drop-down, select 'ISO Editor'



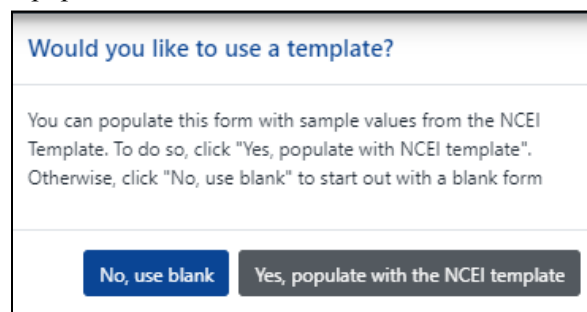
The screenshot shows a web form titled "Create a new record". Below the title is a label "Select a form" and a dropdown menu. The dropdown menu is open, showing a list of options: "-- Select Form --", "-- Select Form --", "Data Stewardship Maturity Questionnaire (DSMQ)", "Data Management Plan (DMP)", "ISO Editor", and "Simple Editor". The "ISO Editor" option is highlighted in blue.

- Click 'Create Record'



The screenshot shows the same "Create a new record" form. The dropdown menu now shows "ISO Editor" as the selected option. Below the dropdown, there is a text description: "ISO Editor - use this form to create ISO 19115-2 metadata with the option to utilize NCEI Template". At the bottom of the form, a green button labeled "Create Record" is highlighted.

- At 'Would you like to use a template?' prompt
 - Select 'No, use blank' if record will not be submitted to NCEI
 - OR select 'Yes, populate with the NCEI template' if data will be submitted to NCEI
 - Contains pre-populated fields for standard NCEI data



The screenshot shows a dialog box titled "Would you like to use a template?". The text inside reads: "You can populate this form with sample values from the NCEI Template. To do so, click 'Yes, populate with NCEI template'. Otherwise, click 'No, use blank' to start out with a blank form". At the bottom, there are two buttons: "No, use blank" (blue) and "Yes, populate with the NCEI template" (grey).

Note: Instructions are same for 'Yes, populate with the NCEI template' as with 'No, use blank' except if NCEI template is used, there is an additional field on Identification tab titled 'Supplemental Information'

'Supplemental Information' is not a required field

Content Evaluator

- CoMET defaults to ‘Content Evaluator On’
 - Hover over blue and white ‘i’ for information about ‘Content Evaluator’
 - Orange badges identify content to be reviewed
 - Contains blank data or data from templates meant to be replaced or removed
- Required fields are identified by a vertical red bar next to field name, as well as text ‘(required)’ after field name
- Enter ‘Internal COMET Record Name’ in pink field

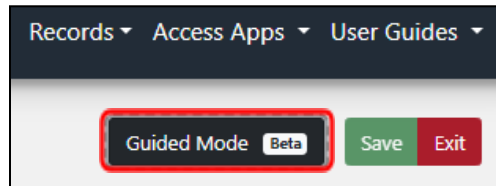
The screenshot displays the CoMET Collection Metadata Editing Tool interface. At the top, the user is logged in as 'lori.hager' and the 'Dark Mode' is turned off. The navigation menu includes 'Records', 'Administration', 'Access Apps', and 'User Guides'. The main navigation bar shows '19 Identification', '24 Keywords', '42 Access', '13 Coverage', 'Content', 'History', and 'Quality'. Below this, there are '1 Metadata' and '32 Resources' tabs. A 'Guided Mode Beta' button is visible, along with 'Save' and 'Exit' buttons. A pink error message at the top states 'CoMET Record Name is required!'. The 'Content Evaluator On' toggle is highlighted with a red box. The 'Internal COMET Record Name (required)' field is highlighted with a pink border and contains the text 'Enter a name for this metadata record in the COMET database.' Below this, the '19 Identification' section is active, showing '2 Description:' and '13 Data Citation' tabs. The 'Collection Description (required)' field is highlighted with a yellow background and contains the text '((Describe the content of this data collection. Good practice: Start with ... This data collection contains (measured or calculated variables, model outputs, or other kinds of data) from (a project, program or field campaign)))'. A blue note below the field states 'This is not a journal/scientific paper abstract or description of your project, program, or field campaign.' The 'Purpose (required)' field is highlighted with a light blue background and contains the text 'This data is available to the public for a wide variety of uses including scientific research and analysis.'

Guided Mode

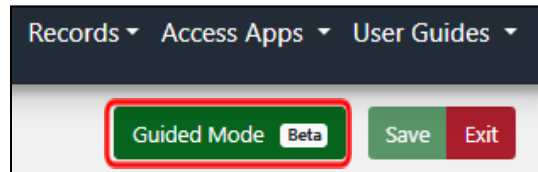
- Helps user work through metadata for completeness, thereby increasing Rubric V2 score
 - Works in conjunction with Content Evaluator (orange badges)

Note: User has option to use Guided Mode when first creating a record OR user may wait to consult Guided Mode to review what fields may be missing metadata

- To turn on 'Guided Mode', click black 'Guided Mode' button



- To turn off 'Guided Mode', click green 'Guided Mode' button



- Right column is 'Total Completeness Score' for each Rubric category
 - Total Completeness Score percentages are calculated from Required fields
 - Total Completeness Score Extra Credits are calculated from Recommended fields
- Left column is 'Guided ISO Editor' and displays points scored for each sub-category

Guided ISO Editor

Select a section to review completeness

Identification ▾

- ✓ Resource Hierarchy Level
100% : 1/1 : Required
- ✗ Resource Title
0% : 0/1 : Required
- ✗ Resource ID
0% : 0/5 : Recommended
- ✗ Abstract
0% : 0/1 : Required
- ✓ Purpose
100% : 1/1 : Required
- ✗ Resource Date
0% : 0/1 : Required
- ✓ Status
100% : 1/1 : Required
- ✓ Browse Graphic
100% : 1/1 : Recommended
- ✓ Topic Category
100% : 1/1 : Required
- ✗ Theme Keywords
0% : 0/4 : Required
- ✓ Theme Keyword Thesaurus
100% : 3/3 : Recommended
- ✗ Resource Contact
50% : 1/2 : Required

Guided Mode Beta Save Exit

CoMET Record Name is required!

131 Editing Record: Content Evaluator On

Internal COMET Record Name (required)

Enter a name for this metadata record in the COMET database.

Completeness Rubric for: {{Collection Title}}

Total Completeness Score: 39% + 9.42 (extra credit)

Identification 50% (4.50/9) Extra Credit 2	Access 42% (1.67/4) Extra Credit 0.75	Coverage 0% (0/2) Extra Credit 1	Content 0% (0/3) Extra Credit 0	History 25% (1/4) Extra Credit 2
Quality 0% (0/2) Extra Credit 0	Connections 0% (0/2) Extra Credit 0	Metadata 100% (5/5) Extra Credit 0	Resources Extra Credit Only Extra Credit 2.67	Attribution Extra Credit Only Extra Credit 1

- Below 'Total Completeness Score', hover over blue and white 'i' for a description of a Rubric category

- **Identification Description**

- To see scores for other categories, click drop-down menu in 'Guided ISO Editor' below 'Select a section to review completeness'
 - Select category

- **Access Description**

- **Coverage Description**

Coverage Description
<p>The Coverage Category provides information about regarding the extent of the resource, such as temporal range of content, geographic bounds of content, and general place names. This information can be displayed on maps and timelines and used in spatial searches.</p>
<p>Coverage ⓘ</p>
<p>0% (0/2) Extra Credit 1</p>
<p>Spatial Extent is not required when the Resource Hierarchy Level = nonGeographicDataset.</p>

- **Content Description**

Content Description
<p>The Content Category identifies the parameters, variables or features of the resource and can be documented with at least one of the two subcategories: Attributes or Features.</p>
<p>Content ⓘ</p>
<p>0% (0/3) Extra Credit 0</p>
<p>Not Required when Resource Hierarchy Level = 'fieldSession'.</p>

- **History Description**

History Description
<p>The History Category provides information about how the resource was collected, processed or other steps associated with the resource, such as archival activity.</p> <p>The Acquisition subcategory is recommended for raw or near-raw observations, for example Level 0 satellite data. Lineage subcategory is recommended for resources that have been processed.</p>
<p>History ⓘ</p>
<p>25% (1/4) Extra Credit 2</p>
<p>Required</p> <p>The subcategory with the highest score is used as the Required segment. The lower score will become extra credit. If the Required Score for Lineage is > 1, Acquisition = 0, and Statement = 1; you will score 100%</p>

- **Quality Description**

	Quality Description
	The Quality Category provides reports on how complete or accurate a resource is.
Quality ⓘ	Not required when Resource Hierarchy Level = 'fieldSession'.
0% (0/2) Extra Credit 0	Only Quality sections that include 'Reports' are counted.

- **Connections Description**

	Connections Description
	The Metadata Category provides information about this metadata record such as metadata ID, standard name, metadata contact and notes.
Connections ⓘ	Required
0% (0/2) Extra Credit 0	Extra Credit 0 Extra Credit 2.67

- **Metadata Description**

	Metadata Description
	The Metadata Category provides information about this metadata record such as metadata ID, standard name, metadata contact and notes.
Metadata ⓘ	Required
100% (5/5) Extra Credit 0	Extra Credit 2.67 Extra Credit 1

- **Resources Description**

	Resources Description
	The Associated Resource Category provides citations or identifiers to related papers, sister resources, parents, or programs that the resource is associated with.
Resources ⓘ	Highly Recommended
Extra Credit Only Extra Credit 2.67	

- **Attribution Description**

	Attribution Description
Attribution ⓘ	The Attribution Category provides information that can be used to cite the resource and provide proper credit, such as creator names, publisher names and a Digital Object Identifier (DOI).
Extra Credit Only Extra Credit 1	Highly Recommended

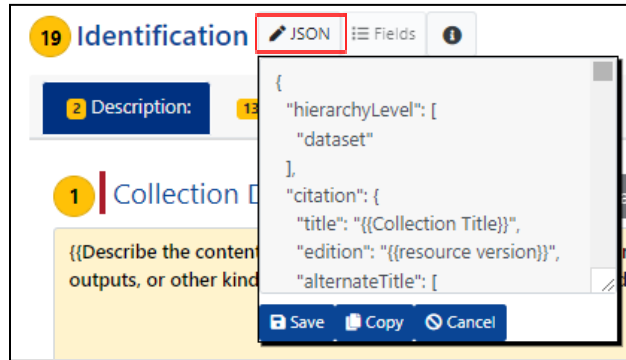
- For each sub-category, click on link next to an ‘X’
 - Find orange badge(s) on right for what is missing or wrong
 - ‘Resource Title’ equals ‘Title (required)’
 - Enter a title
- Repeat for each link next to an ‘X’

The screenshot displays the COMET Collection Metadata Editing Tool interface. On the left, a sidebar titled "Guided ISO Editor" lists various metadata sections with their completion status. The "Resource Title" section is highlighted with a dashed box, indicating it is 0% complete (0/1) and required. The main editing area shows a form for the "Title (required)" field, which contains a placeholder "({Collection Title})" and a descriptive note: "Descriptive title of the dataset being documented. Spell out any acronyms." The top navigation bar includes "Records", "Administration", "Access Apps", and "User Guides". The bottom footer contains version information (Version 1.11.0) and contact details (ncei.collection-manager.support@noaa.gov).

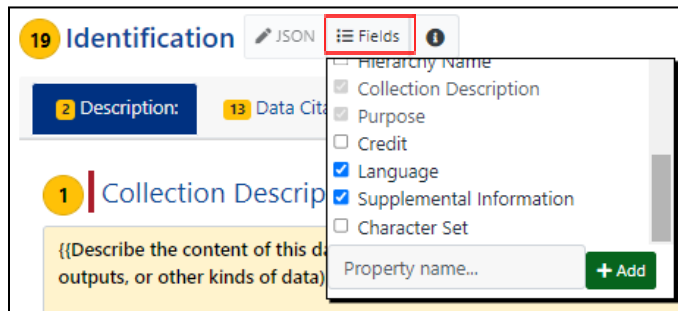
- Enter data into fields

The screenshot displays the COMET Collection Metadata Editing Tool interface. At the top, the header includes the COMET logo, the text 'Collection Metadata Editing Tool' and 'NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION', and user information for 'lorlhager' with options for 'Log Out' and 'Dark Mode Off'. Navigation tabs include 'Records', 'Administration', 'Access Apps', and 'User Guides'. A secondary navigation bar contains tabs for '19 Identification', '24 Keywords', '42 Access', '33 Coverage', 'Content', 'History', and 'Quality'. Below this, there are buttons for 'Guided Mode', 'Beta', 'Save', and 'Exit'. A pink error message at the top states 'CoMET Record Name is required!'. The main section is titled '131 Editing Record:' and features a 'Content Evaluator On' toggle. A red-bordered box prompts the user to 'Enter a name for this metadata record in the COMET database.' Below this, the '19 Identification' section is active, with sub-tabs for 'Description', 'Data Citation', 'Resource Hierarchy', 'Point of Contact', 'Status', 'Topic Category', and 'Browse Graphic'. The 'Description' sub-tab is selected, showing a '1 Collection Description (required)' field with a placeholder text: '[[Describe the content of this data collection. Good practice: Start with ... This data collection contains (measured or calculated variables, model outputs, or other kinds of data) from (a project, program or field campaign)]]'. A tooltip below the field reads: 'This is not a journal/scientific paper abstract or description of your project, program, or field campaign.' The 'Purpose (required)' field contains the text: 'This data is available to the public for a wide variety of uses including scientific research and analysis.' A tooltip below it says: 'Explain the intended use and benefits of the dataset (e.g., These data can be used for weather forecasting and snowpack analysis).' The 'Language' field is set to 'eng: USA'. The '1 Supplemental Information' field has a placeholder: '[[any other information]]'. A tooltip below it reads: 'Any additional information to complete the data description.' At the bottom, there are buttons for 'View/Edit Orphaned Data' and 'View @xml Fields', along with a lock icon and a refresh icon.

- JSON code can be directly modified or copied
 - Click JSON button

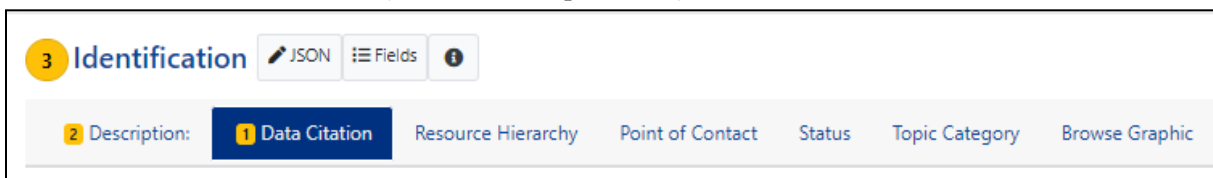


- Modify, as desired
- OR highlight text and click 'Copy'
- If any changes made, click 'Save' in JSON window
- Click 'JSON' button again to close window
- Additional fields may be included by clicking 'Fields' button
 - Place check in box next to field
 - If checkbox is gray, its field is already on page
 - Field is required and cannot be removed
 - Deleting a check removes field and its values
 - Language is checked by default



- After selecting fields, click 'Fields' button again to close window

- Click 'Data Citation' tab (next to 'Description' tab)



- Enter Dataset Title in ‘Title’ field

The screenshot shows the 'Data Citation' form. At the top, there is a header with '1 Data Citation', a 'JSON' icon, a 'Fields' icon, and an information icon. Below the header is a navigation bar with tabs: '1 Title:', 'Alternate Titles', 'Dates', 'Dataset Identifiers', 'Responsible Parties', and 'Presentation Form'. The 'Title' tab is selected. The main content area shows a '1' in a yellow circle, followed by 'Title (required)'. Below this is a yellow input field with the placeholder text 'Enter a Collection Title'. A light blue tooltip below the field contains the text: 'Descriptive title of the dataset being documented. Spell out any acronyms.'

- Use tabs to navigate through form

The screenshot shows a horizontal navigation bar with the following tabs: '3 Identification', 'Keywords', '2 Access', 'Coverage', 'Content', 'History', 'Quality', '1 Metadata', and 'Resources'. The 'Identification' tab is highlighted in blue, and the 'Access' tab has a yellow '2' next to it.

- Save periodically as form will not save automatically

**Note: If CoMET is left idle too long, session will time out and unsaved data will be lost
User will receive Timeout Warning message**

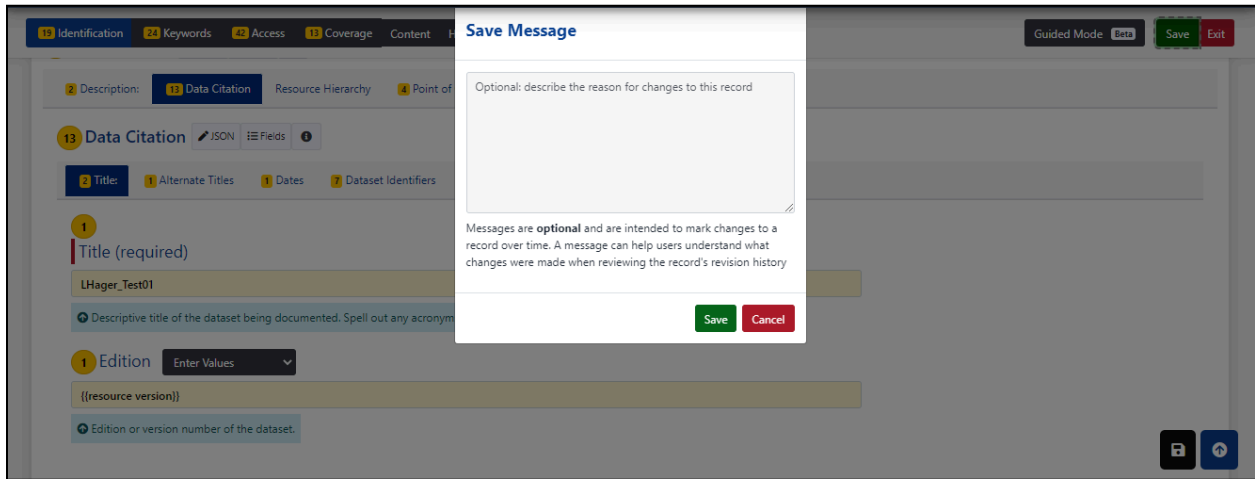
The screenshot shows a 'Session Timeout Warning' dialog box. The title is 'Session Timeout Warning' in red. The main text reads: 'Your session will be terminated in 10 minutes. Please click the "Stay connected" button to continue.' At the bottom right, there are two buttons: 'Log out now' (red) and 'Stay connected' (green).

mbi

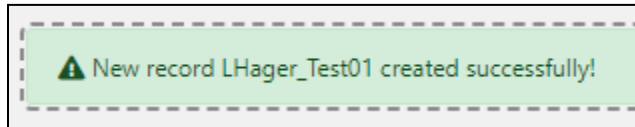
- Click ‘Save’ button at top right of page OR Save icon at bottom right of page



- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



- Message appears 'New record . . . created successfully'



Note: Even if one or more required fields are blank or not in the expected format, CoMET will ignore the validation errors and allow the record to be created

- Metadata Records List page reloads
 - New record at top of Metadata Records List

COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Records Administration Access Apps User Guides

Home / Metadata Records List

Filters:

Record Group: trainingCoMET/ View WAF

Edit State: -- Select a Value --

Record Name: Examples: AMSU, GOES, Grid

XML Content: Examples: OISST, gov.noaa.ncdc:C00011, Weather

Last Updater: Examples: user.name, bob, curly, moe

File Identifier: Example: gov.noaa.ncdc:C00844

UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Tags: Example: oceans, water vapor, heat, land surface, instrument

Search Records Reset All

Record Actions:

New Record

Import Create

Bulk Actions

Change Group Download

Publishing

Metadata Records List

Showing 1 to 4 of 4 records

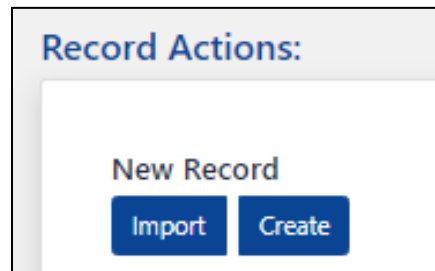
Show Columns: File Identifier UUID Description Edit State Last Updater Updated Created Group

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:373224862614429	Record Name: LHager_Test01 DOI: https://doi.org/[[DOI]] Tags:	DRAFT	lori.hager	2023-01-11 13:00:42 EST

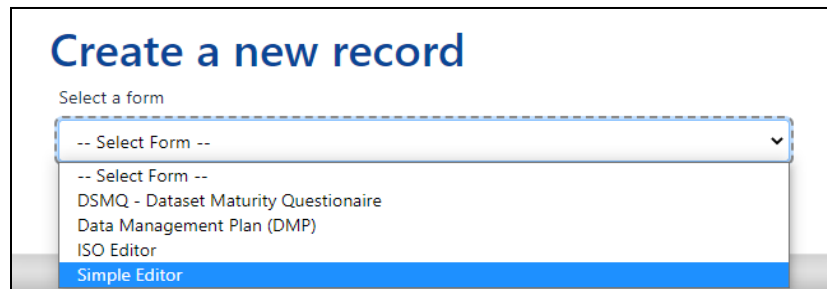
Simple Editor

Enables non-metadata experts to easily create metadata records within CoMET

- In Record Actions panel, click 'Create'



- From 'Select a form' drop-down, select 'ISO Editor'



- Click ‘Create Record’

Create a new record

Select a form

Simple Editor

Simple Editor - a lite version of ISO Editor, use this form to create a minimal ISO record. If you are copying a record from a full ISO record, use the ISO Editor instead.

Create Record

- CoMET defaults to Dataset Information tab
 - Enter data into fields
 - ‘Internal CoMET Record Name’ is a required field

Editing Record: Save Exit

Internal CoMET Record Name (required)
Enter a name for this metadata record in the CoMET database.
This value is displayed as "Name" under the Record Identification column on the Metadata Records List. It is not derived from any part of the XML. Its purpose is to provide an easy to search name and sorting mechanism for the Metadata Records List. Some groups will enter a unique identifier in this field such as the record's file identifier or accession number.

Dataset Information | People & Projects | Dates & Locations | Additional Keywords | Access / Distribution

Dataset Title
Your title should include one or two primary variables, not more than one or two platform/ship names, and the location and date range when the data were collected. Please enter your date in the format YYYY-MM-DD

Title
Enter a Collection Title
Descriptive title of the dataset being documented. Spell out any acronyms.

Collection Description
A brief narrative summary of the data set; a clear and concise statement that enables the reader to understand the content of the dataset. This is not a journal/scientific paper abstract or description of your project, program, or field campaign.

Collection Description
Guidance: Describe the content of this data collection. Good practice: Start with "This data collection contains (measured or calculated variables, model outputs, or other kinds of data) from (a project, program or field campaign)"

Purpose

Explain the intended use and benefits of the dataset (e.g., These data can be used for weather forecasting and snowpack analysis).

Purpose

Example: This data is available to the public for a wide variety of uses including scientific research and analysis.

Supplemental Information

Supplemental Information

Enter any other information

Any additional information to complete the data description.

Save Exit

Topic Categories

High-level thematic classification to assist in the grouping and searching of data. The most applicable topics in NOAA are usually Geoscientific Information, Climatology > Meteorology > Atmosphere, Oceans or Elevation.

Topic Category

Topic 1

+ Topic

Publish Dates

Use the date that this dataset was first published or released.

Date

+ Date

Theme/Science Keyword Descriptors

These theme/science keywords are from the Global Change Master Directory (GCMD) controlled vocabulary. To enter other values, please go to the Additional Keywords tab.

(GCMD) Science Keyword Values

Select theme values from Global Change Master Directory (GCMD) Science Keywords

Save Exit

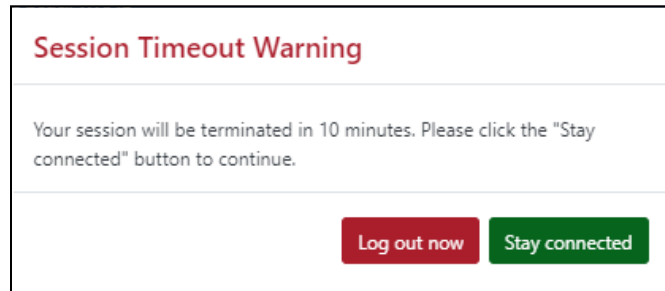
Home Help

- Use tabs to navigate through form

Dataset Information | People & Projects | Dates & Locations | Additional Keywords | Access / Distribution

- Save periodically as form will not save automatically

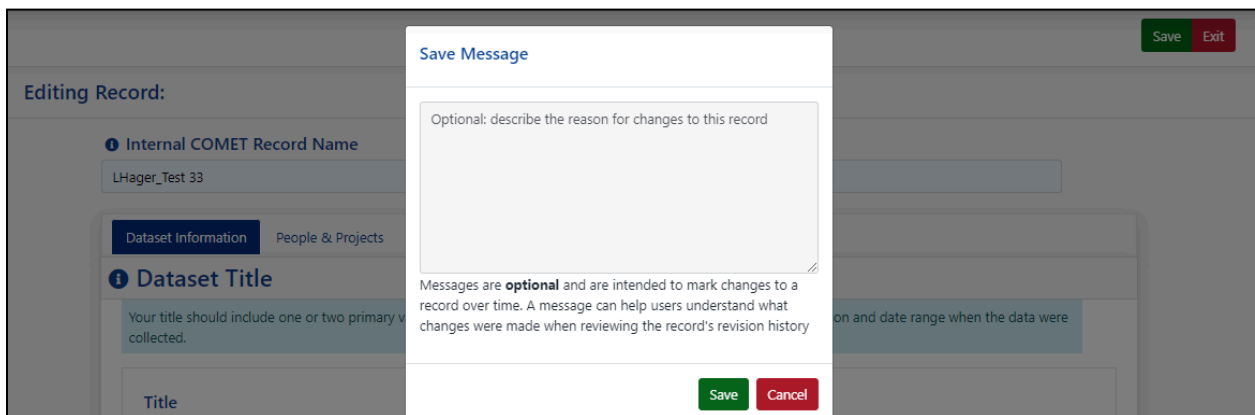
**Note: If CoMET is left idle too long, session will time out and unsaved data will be lost
User will receive Timeout Warning message**



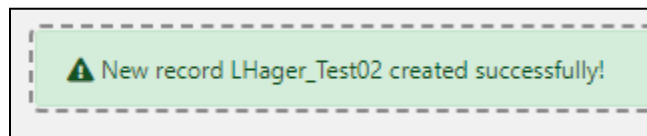
- Click 'Save' button at top right of page OR Save icon at bottom right of page



- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



- Message appears 'New record . . . created successfully'



- Metadata Records List page reloads
 - New record at top of Metadata Records List

The screenshot shows the 'Metadata Records List' interface. At the top, there is a navigation bar with 'Home / Metadata Records List' and a 'Close Filters & Actions' button. A green notification banner states 'New record LHager_Test02 created successfully!'. Below this, there are two main sections: 'Filters' and 'Record Actions'.

Filters: This section contains several input fields for filtering records:

- Record Group: trainingCoMET/ (with a 'View WAF' button)
- Edit State: -- Select a Value --
- Record Name: Examples: AMSU, GOES, Grid
- XML Content: Examples: OISST, gov.noaa.ncdc:C00011, Weather
- Last Updater: Examples: user.name, bob, curly, moe
- File Identifier: Example: gov.noaa.ncdc:C00844
- UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da
- Tags: Example: oceans, water vapor, heat, land surface, instrument

 At the bottom of the filters are 'Search Records' and 'Reset All' buttons.

Record Actions: This section contains:

- New Record:** 'Import' and 'Create' buttons.
- Bulk Actions:** 'Change Group' and 'Download' buttons, and a 'Publishing' dropdown menu.

Metadata Records List: Below the filters and actions is a table showing records. The table has columns for 'Tasks', 'File Identifier', 'Description', 'Edit State', 'Last Editor', and 'Updated'. There are 4 records shown, with the first two visible in the screenshot:

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:508925708348805	Record Name: LHager_Test02 Tags:	DRAFT	lori.hager	2023-01-18 10:16:32 EST
	gov.noaa.ncei:373224862614429	Record Name: LHager_Test01 DOI: https://doi.org/[[DOI]] Tags:	DRAFT	lori.hager	2023-01-11 13:00:42 EST

Bulk Actions

- Hover over blue and white 'i' for information about Bulk Actions

Change Group

Note: Action available only to Group Manager user role

User with Editor role will not see 'Change Group' in 'Record Actions' box

Move one or more record(s) from current Record Group to another managed by same Group Manager

- In Record Actions panel, click 'Change Group'

This is a close-up of the 'Record Actions' panel. It shows the 'New Record' section with 'Import' and 'Create' buttons. Below that is the 'Bulk Actions' section, which contains the 'Change Group' button, the 'Download' button, and the 'Publishing' dropdown menu. A red box highlights the 'Change Group' button.

- 'Filter records by record name' is optional
- Select target Record Group from 'Move to record group' drop-down

Move Records to a Different Record Group

Filter records by record name:

Examples: AMSU, GOES, Grid

Filter **Reset All**

Current record group: LHager_Test Group

Move to record group: -- Select a Value --

Record List

LHager_Test Revision History

LHager_Test 33

Move Records

CoMET
CoMET Sandbox
Comet training
NOAA/NESDIS/star/
templates/

- Check box(es) next to file(s) to be moved
- Click 'Move Records' at bottom of list

Move Records to a Different Record Group

Filter records by record name:

Examples: AMSU, GOES, Grid

Filter **Reset All**

Current record group: LHager_Test Group

Move to record group: Comet training

Record List **Unselect All** **Select All**

LHager_Test Revision History

LHager_Test 33

Move Records

- ‘Metadata Records List’ of target page reloads
- Message appears ‘Records moved successfully!’
- Moved record is at top of list

Records moved successfully!

Filters:

Record Group: Comet training

Edit State: -- Select a Value --

Record Name: Examples: AMSU, GOES, Grid

XML Content: Examples: OISST, gov.noaa.ncdc:C00011, Weather

Last Updater: Examples: user.name, bob, curly, moe

File Identifier: Example: gov.noaa.ncdc:C00844

UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Tags: Example: oceans, water vapor, heat, land surface, instrument

Search Records Reset All

Record Actions:

New Record

Import Create

Bulk Actions

Change Group Download

Metadata Records List

Showing 1 to 3 of 3 records

Show Columns: File Identifier UUID Description Edit State Last Updater Updated Created

Tasks	File Identifier	UUID	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:281741066323803	98b86675-7b83-40bf-8407-85ee01129628	Record Name: LHager_Test 33	DRAFT	lori.hager	2021-08-12 15:53:33 EDT

Download

Download one or more XML files from current Record Group to user’s records

- In Record Actions panel, click ‘Download’

Record Actions:

New Record

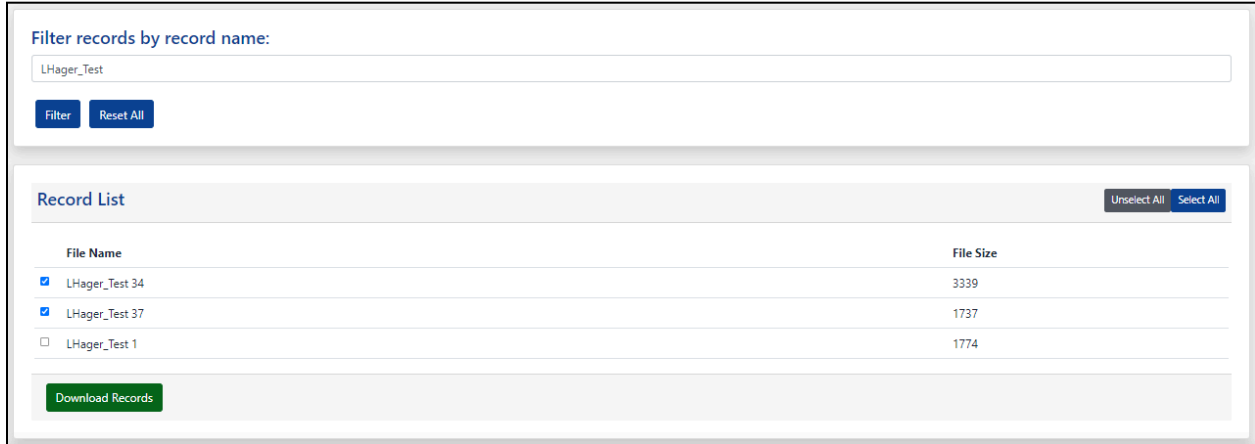
Import Create

Bulk Actions

Change Group Download

Publishing

- From 'Download Records in Bulk' page, select record(s) to be downloaded
 - May filter records by record name
 - May 'Select All' with button to right of 'Record List'
- Check box(es) next to file(s) to be downloaded
- Click Download Records



- Save to computer
 - Records saved in Zip file

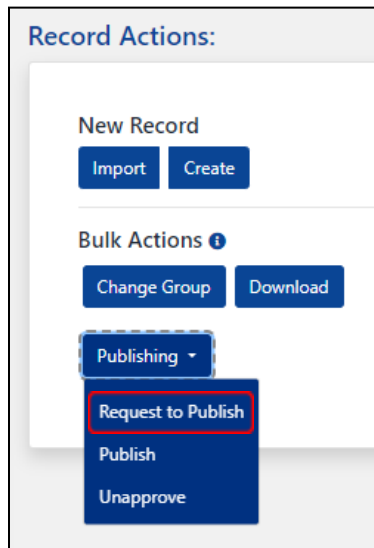
Publishing

Note: 'Publishing' drop-down menu displays only if record group has associated WAF
 User with Editor role will only see 'Request to Publish' in 'Publishing' drop-down

Request to Publish

Once record is complete, submit a request to have it published

- Select 'Request to Publish' from Publishing drop-down



- Below ‘Request to Publish’ is a list of records eligible to be published
 - User may search for records by Content

**Note: Publishers are not automatically notified when a ‘Request to Publish’ has been made
User must notify publisher**

- To see overview of ‘Request to Publish’ function, click ‘View Request to Publish Overview’ button at top right of page

Home / Metadata Records List / Request to Publish

Publishers are not automatically notified when you make a request to publish. You will need to contact the publisher personally to make them aware there are records awaiting approval.

Select a Record Group: trainingCoMET/ Search content: Search

Request to Publish

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input type="checkbox"/> View	LHager_Test01	DRAFT	lori.hager	2023-01-11 13:00:42 EST	2023-01-10 12:56:36 EST
<input type="checkbox"/> View	LHager_Test02	DRAFT	lori.hager	2023-01-10 12:57:26 EST	2023-01-10 12:57:26 EST

Select All Unselect All Request to Publish

View Request to Publish Overview

- To close message, click ‘Close Request to Publish Overview’ button

Request to Publish

Close Request to Publish Overview

Overview

This page displays records that are in the DRAFT state that editors can select and request to publish. A request to publish will change the record's edit state from DRAFT to IN_REVIEW. Records with the edit state of IN_REVIEW are reviewed by someone with the publisher role for final publishing approval.

Please review CoMET workflows here or contact us via email at ncei.collection-manager.support@noaa.gov if you have questions about publishing workflows.

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input type="checkbox"/> View	LHager_Test01	DRAFT	lori.hager	2023-01-11 13:00:42 EST	2023-01-10 12:56:36 EST
<input type="checkbox"/> View	LHager_Test02	DRAFT	lori.hager	2023-01-10 12:57:26 EST	2023-01-10 12:57:26 EST

Select All Unselect All Request to Publish

- Check box(es) next to record(s) to be published
- Click ‘Request to Publish’

Home / Metadata Records List / Request to Publish

Publishers are not automatically notified when you make a request to publish. You will need to contact the publisher personally to make them aware there are records awaiting approval.

Select a Record Group: trainingCoMET/ Search content: Search

Request to Publish

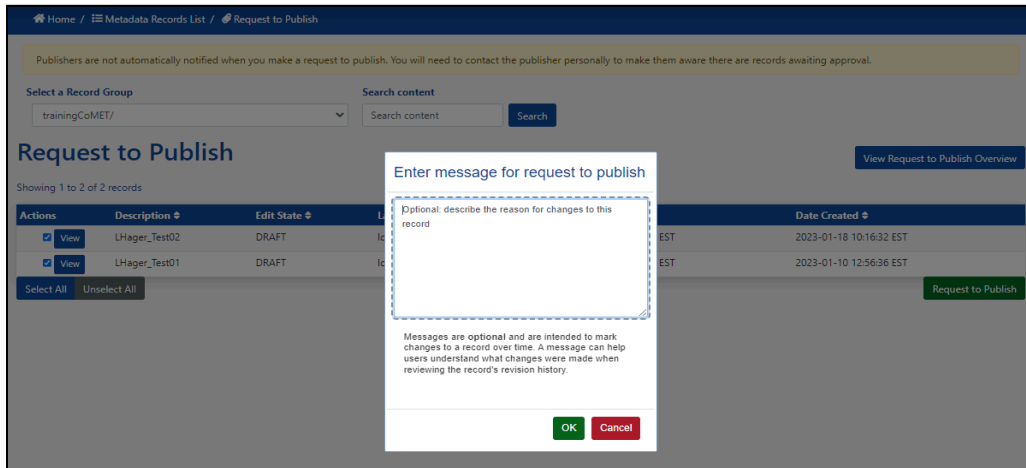
Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input checked="" type="checkbox"/> View	LHager_Test02	DRAFT	lori.hager	2023-01-18 10:16:32 EST	2023-01-18 10:16:32 EST
<input checked="" type="checkbox"/> View	LHager_Test01	DRAFT	lori.hager	2023-01-11 13:00:42 EST	2023-01-10 12:56:36 EST

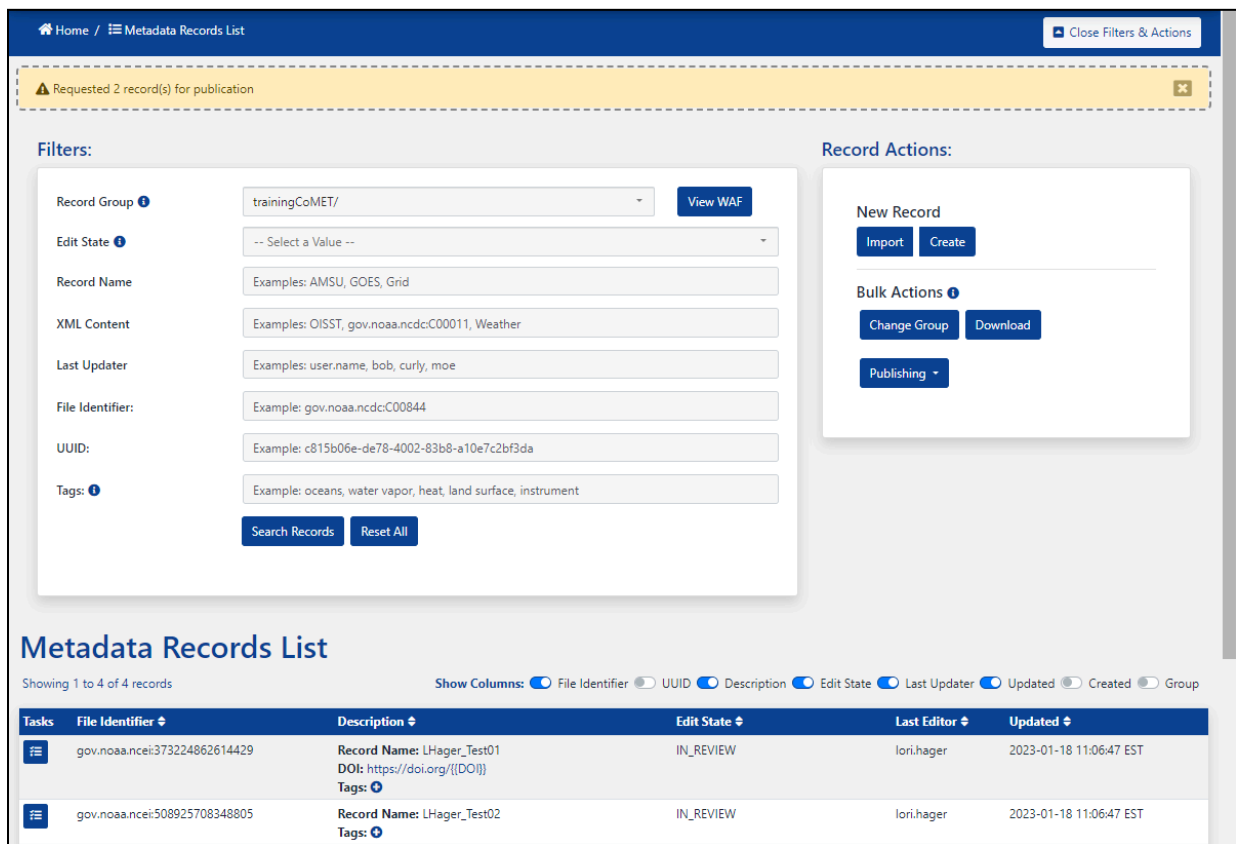
Select All Unselect All Request to Publish

View Request to Publish Overview

- Pop-up box requests ‘Enter message for request to publish’
 - Comment is optional but strongly recommended
- Click ‘OK’



- Message appears ‘Requested (#) record(s) for publication’
- Metadata Records page reloads
- Edit State changed from ‘DRAFT’ to ‘IN_REVIEW’



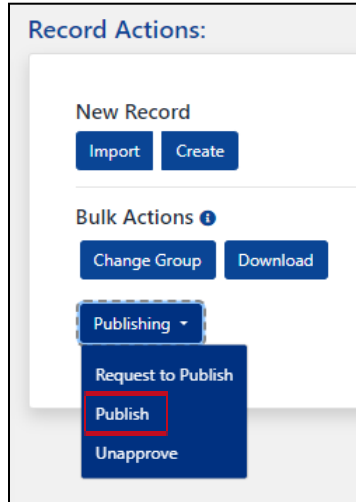
**Note: User must notify Publisher of record(s) awaiting approval
There are no automatic notifications from CoMET**

Publish

Note: Action available only to *Publisher and Group Manager* user roles

Publish record(s)

- Select 'Publish' from Publishing drop-down



- Records eligible to be published or republished are displayed

Note: Read warning in yellow message box about publishing from external sources

- For information about 'Redraft' and 'Approve', hover over their respective action buttons
 - At least one record box must be checked below 'Actions' heading (on left) for buttons to highlight and be clickable

The screenshot shows the 'Publishable Record List' interface. At the top, there is a warning message: "If you are using an external source of record such as an external file server or git workflow, publishing records from CoMET could result in metadata updates being lost! Publishing metadata out of CoMET means the metadata is written to a Web Accessible Folder. Please review CoMET workflows here or contact us via email with any questions ncei.collection-manager.support@noaa.gov."

Below the warning, there is a search bar with 'trainingCoMET/' selected and a 'Search' button. The main heading is 'Publishable Record List' with a 'View Publishing Overview' button.

The table shows 3 records:

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input type="checkbox"/> View	LHager_Test01	IN_REVIEW	lori.hager	2023-01-18 11:06:47 EST	2023-01-10 12:56:36 EST
<input type="checkbox"/> View	LHager_Test02	IN_REVIEW	lori.hager	2023-01-18 11:06:47 EST	2023-01-18 10:16:32 EST
<input type="checkbox"/> View	My special test	ONESTOP_PUBLISH_FAILED	jerri.reeves	2022-07-19 11:40:32 EDT	2022-07-19 11:38:34 EDT

Below the table are 'Select All' and 'Unselect All' buttons. On the right, there are 'Redraft' and 'Approve' buttons.

An 'Approve all' modal is open, showing the text: "Approve all. Approve all the records within this record group for publication regardless of the record's edit state." Below this is a red 'Approve All' button. A warning message at the bottom of the modal states: "This action ignores the records listed in the above table and approves all records within a group."

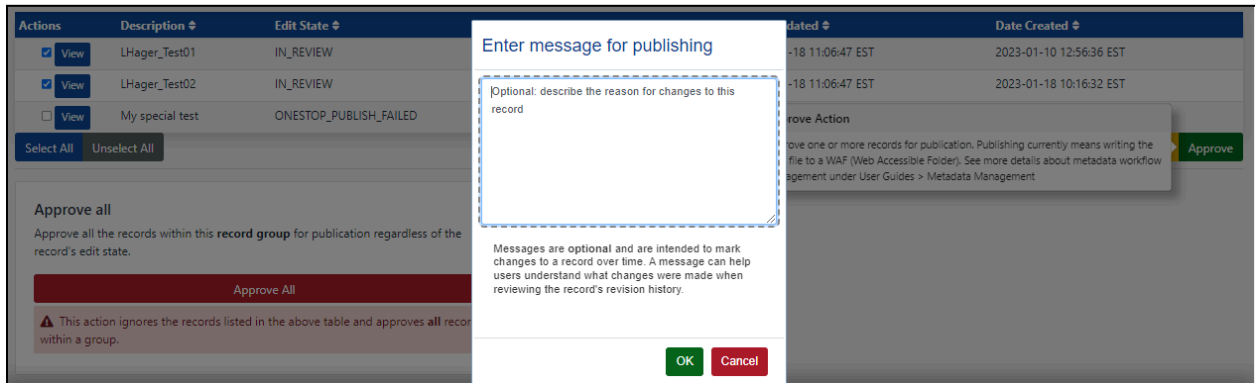
- To approve publishing one or more records in Publishable Record List, check box(es) next to record(s)
 - Click green ‘Approve’ button

The screenshot shows the 'Publishable Record List' interface. At the top, there is a navigation bar with 'Home / Metadata Records List / Publishable'. Below this is a warning banner: 'If you are using an external source of record such as an external file server or git workflow, publishing records from CoMET could result in metadata updates being lost! Publishing metadata out of CoMET means the metadata is written to a Web Accessible Folder. Please review CoMET workflows here or contact us via email with any questions ncei.collection-manager.support@noaa.gov .'. The main area has a search bar with 'trainingCoMET/' selected and a 'Search' button. Below the search bar is the title 'Publishable Record List' and a 'View Publishing Overview' button. A message indicates 'Showing 1 to 3 of 3 records'. A table with columns 'Actions', 'Description', 'Edit State', 'Last Updated by', 'Last Updated', and 'Date Created' contains three rows of records. At the bottom of the table are 'Select All' and 'Unselect All' buttons, and a red 'Redraft' button and a green 'Approve' button. A modal dialog titled 'Approve all' is open, containing the text 'Approve all the records within this record group for publication regardless of the record's edit state.', a red 'Approve All' button, and a warning: 'This action ignores the records listed in the above table and approves all records within a group.'

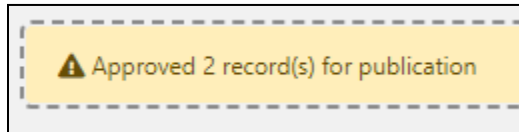
- To approve publishing all records in a record group, **regardless of record’s edit state**, click red ‘Approve All’ button

This is a close-up of the 'Approve all' modal dialog. It features the title 'Approve all', the instruction 'Approve all the records within this record group for publication regardless of the record's edit state.', a prominent red 'Approve All' button, and a warning message: 'This action ignores the records listed in the above table and approves all records within a group.'

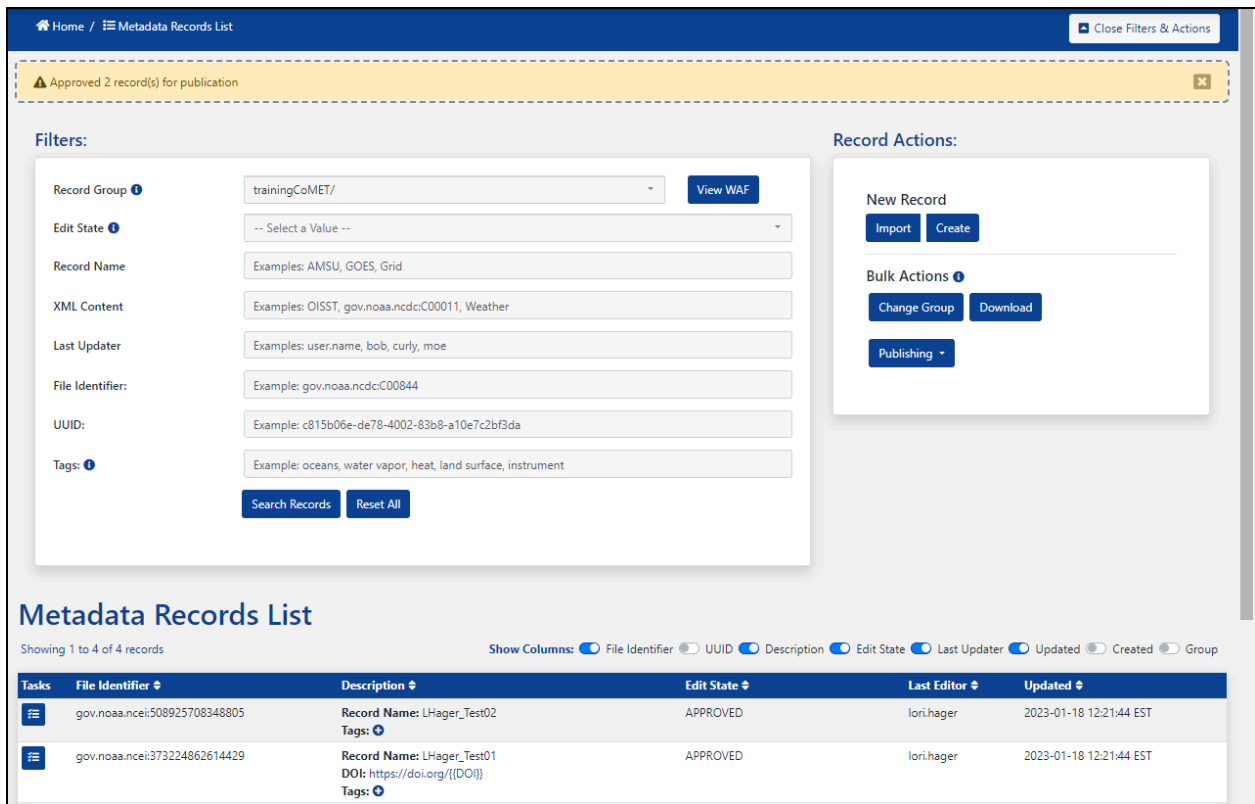
- Pop-up box requests ‘Enter message for publishing’
 - Comment is optional but strongly recommended
- Click ‘OK’



- Message appears ‘Approved (#) record(s) for publication’



- Metadata Records page reloads
- Edit State changed to ‘APPROVED’



- After a few minutes page refreshes
 - If ISO data is valid, Edit State changes from ‘APPROVED’ to ‘PUBLISH_PROCESSING’

Metadata Records List

Showing 1 to 5 of 5 records

Show Columns: File Identifier UUID Description Edit State Last Updater Updated Created Group

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:9292821138392275	Record Name: gov.noaa.ncdc:C01606_LH_Test01 DOI: https://doi.org/10.25921/RE9P-PT57 Tags:	PUBLISH_PROCESSING	lori.hager	2023-01-19 11:42:34 EST

- If ISO data is not valid, Edit State changes from ‘APPROVED’ to ‘INVALID’

Metadata Records List

Showing 1 to 4 of 4 records

Show Columns: File Identifier UUID Description Edit State Last Updater Updated Created Group

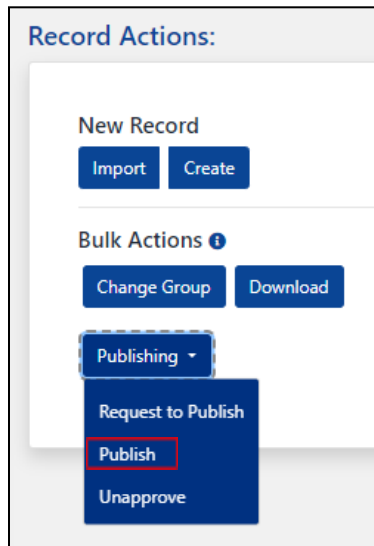
Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:8362008327104595	Record Name: LHager_Test02 Tags:	INVALID	lori.hager	2023-01-18 12:58:19 EST

- Once data is corrected, record may be resubmitted for publishing

Redraft

Change Edit Status from ‘IN_REVIEW’ back to ‘DRAFT’

- Select ‘Publish’ from Publishing drop-down



- Records eligible to be published or republished are displayed

Publishable Record List View Publishing Overview

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input type="checkbox"/> View	LHager_Test 3	IN_REVIEW	lori.hager	2023-01-19 13:05:21 EST	2022-07-27 12:42:29 EDT
<input type="checkbox"/> View	My special test	ONESTOP_PUBLISH_FAILED	jerri.reeves	2022-07-19 11:40:32 EDT	2022-07-19 11:38:34 EDT

Select All Unselect All Redraft Approve

Approve all

Approve all the records within this **record group** for publication regardless of the record's edit state.

Approve All

⚠ This action ignores the records listed in the above table and approves all records within a group.

- Check box(es) next to record(s) to whose Edit Status is to be changed back to 'DRAFT'
- Click 'Redraft'

Publishable Record List View Publishing Overview

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input checked="" type="checkbox"/> View	LHager_Test 3	IN_REVIEW	lori.hager	2023-01-19 13:05:21 EST	2022-07-27 12:42:29 EDT
<input type="checkbox"/> View	My special test	ONESTOP_PUBLISH_FAILED	jerri.reeves	2022-07-19 11:40:32 EDT	2022-07-19 11:38:34 EDT

Select All Unselect All Redraft Approve

- Pop-up box requests 'Enter message for publishing'
 - Comment is optional but strongly recommended
- Click 'OK'

Publishable Record List View Publishing Overview

Showing 1 to 2 of 2 records

Actions	Description	Edit State	Last Updated by	Last Updated	Date Created
<input checked="" type="checkbox"/> View	LHager_Test 3	IN_REVIEW	lori.hager	2023-01-19 13:05:21 EST	2022-07-27 12:42:29 EDT
<input type="checkbox"/> View	My special test	ONESTOP_PUBLISH_FAILED	jerri.reeves	2022-07-19 11:40:32 EDT	2022-07-19 11:38:34 EDT

Select All Unselect All Redraft Approve

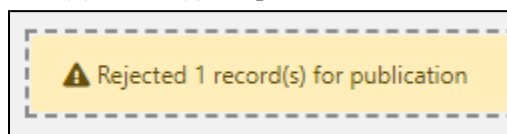
Enter message for publishing

Optional: describe the reason for changes to this record

Messages are optional and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history.

OK **Cancel**

- Message appears 'Rejected (#) record(s) for publication'



- Metadata Records page reloads
- Edit State changed from 'IN_REVIEW' back to 'DRAFT'

Metadata Records List					
Showing 1 to 6 of 6 records		Show Columns: <input checked="" type="checkbox"/> File Identifier <input type="checkbox"/> UUID <input checked="" type="checkbox"/> Description <input checked="" type="checkbox"/> Edit State <input checked="" type="checkbox"/> Last Updater <input checked="" type="checkbox"/> Updated <input type="checkbox"/> Created <input type="checkbox"/> Group			
Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:047413392927399	Record Name: LHager_Test 3 Tags:	DRAFT	lori.hager	2023-01-19 13:12:18 EST

Note: Publisher must notify Editor that record was rejected for publication

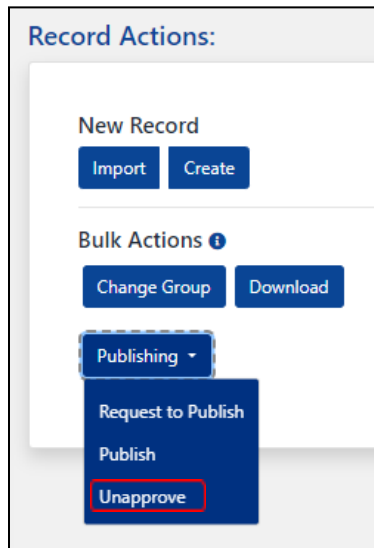
Unapprove

Note: Action available only to Publisher and Group Manager user roles

If, within a few minutes of approving a record to be published, publisher decides it should not be published, they may 'Unapprove' a record

Unapprove record(s)

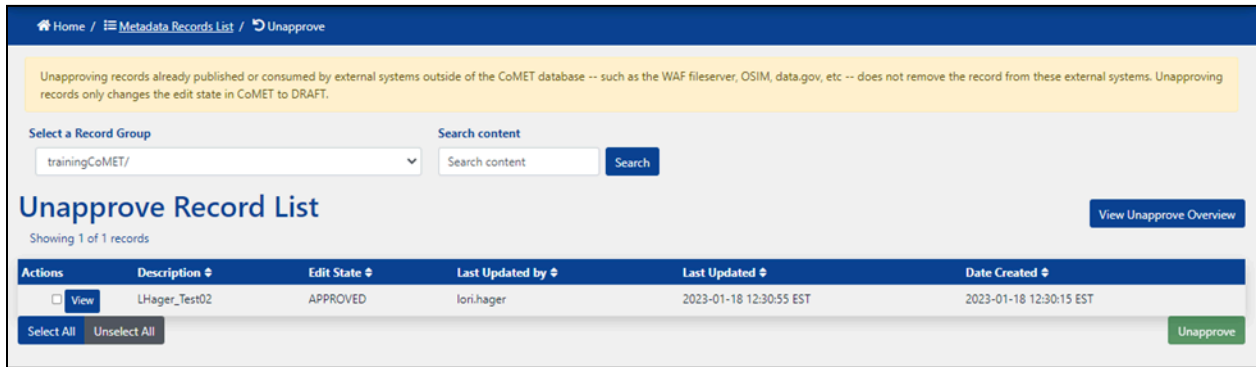
- Select 'Unapprove' from Publishing drop-down



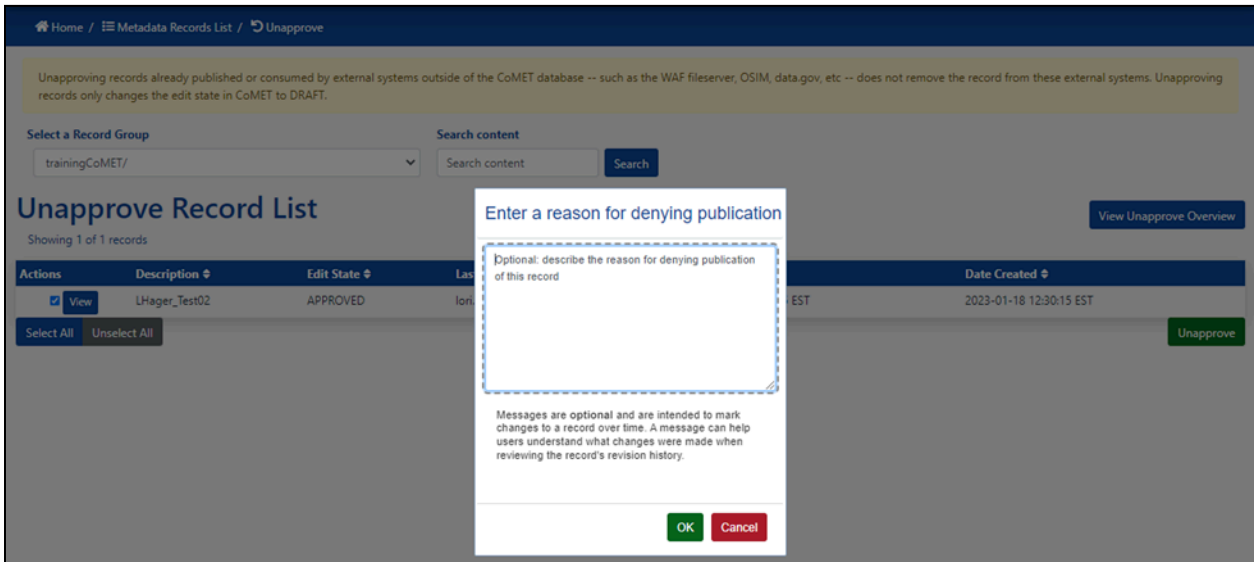
- Only records with Edit State of 'APPROVED' will display on 'Unapprove Record List'

Note: For information about Unapprove function, read message in yellow box

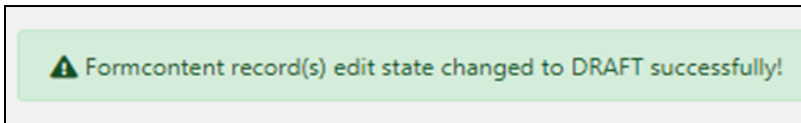
- Check box(es) next to record(s) to be unapproved
- Click ‘Unapprove’



- Pop-up box requests ‘Enter a reason for denying publication’
 - Comment is optional but strongly recommended
- Click ‘OK’



- Message appears ‘Formcontent record(s) edit state changed to DRAFT successfully!’



- Metadata Records page reloads
 - Edit State changed to 'DRAFT'

Home / Metadata Records List Close Filters & Actions

▲ Form content record(s) edit state changed to DRAFT successfully!

Filters:

Record Group: trainingCoMET/ View WAF

Edit State: -- Select a Value --

Record Name: Examples: AMSU, GOES, Grid

XML Content: Examples: OISST, gov.noaa.ncdc:C00011, Weather

Last Updater: Examples: user.name, bob, curly, moe

File Identifier: Example: gov.noaa.ncdc:C00844

UUID: Example: c815b06e-de78-4002-83b8-a10e7c2bf3da

Tags: Example: oceans, water vapor, heat, land surface, instrument

Search Records Reset All

Record Actions:

New Record

Import Create

Bulk Actions

Change Group Download

Publishing

Metadata Records List

Showing 1 to 4 of 4 records

Show Columns: File Identifier UUID Description Edit State Last Updater Updated Created Group

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncel:8362008327104595	Record Name: LHager_Test02 Tags:	DRAFT	lori.hager	2023-01-18 12:32:20 EST

Metadata Records List

- Metadata Records List is a table that meets all filtered requirements and allows various actions to be performed on each record
- User may select which columns to display
 - Column titles list is to right of 'Show Columns'
 - Titles with blue buttons are displayed and titles with gray buttons are not
 - User clicks buttons to change columns to be displayed
 - 'Tasks' is always displayed

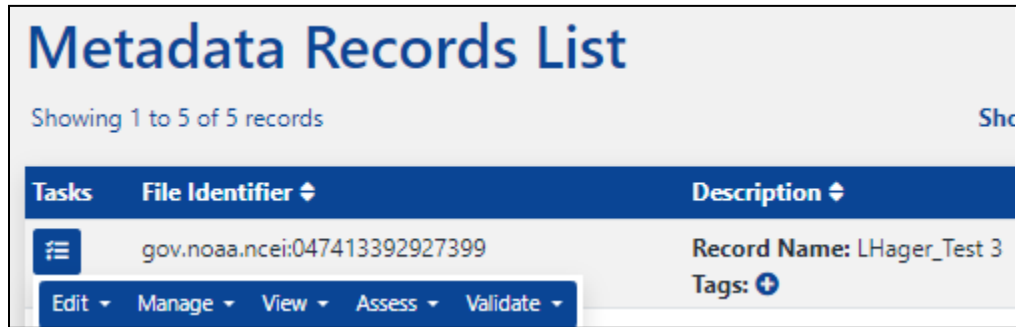
Metadata Records List

Showing 1 to 5 of 5 records

Show Columns: File Identifier UUID Description Edit State Last Updater Updated Created Group

Tasks	File Identifier	Description	Edit State	Last Editor	Updated
-------	-----------------	-------------	------------	-------------	---------

- To perform actions on a record, click task icon in ‘Tasks’ column for appropriate record
 - To close Tasks list, click on task icon



- [Edit](#)
 - Make changes to record data
- [Manage](#)
 - Replace File, create copies of records, review a record’s revision history, make templates, and delete records
- [View](#)
 - Displays data in various formats
- [Assess](#)
 - Confirms ISO and NOAA compliance
- [Validate](#)
 - Validates data against ISO standard

Edit

Data Management Plan (DMP)

- In development

Data Stewardship Maturity Questionnaire (DSMQ)

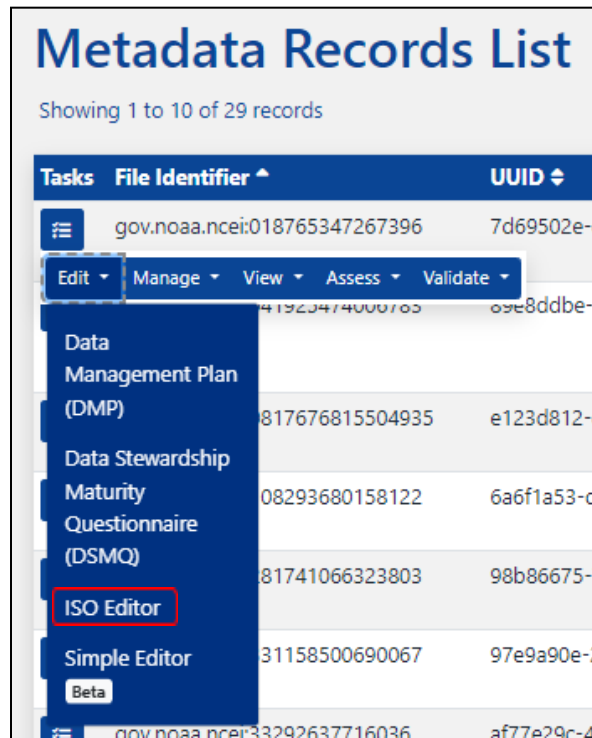
- See [DSMQ](#) Edit instructions

ISO Editor

Note: *When Editing a record, if ‘No, use blank’ was selected when the record was initially created, and user did not enter data into all of Required fields, user receives a ‘Validation Failure’ message and cannot Save record again until missing required data is entered*

If ‘Yes, populate with the NCEI template’ was selected when record was initially created, user does not receive a ‘Validation Failure’ message, at all. User must still add missing data but they are not reminded of that by program

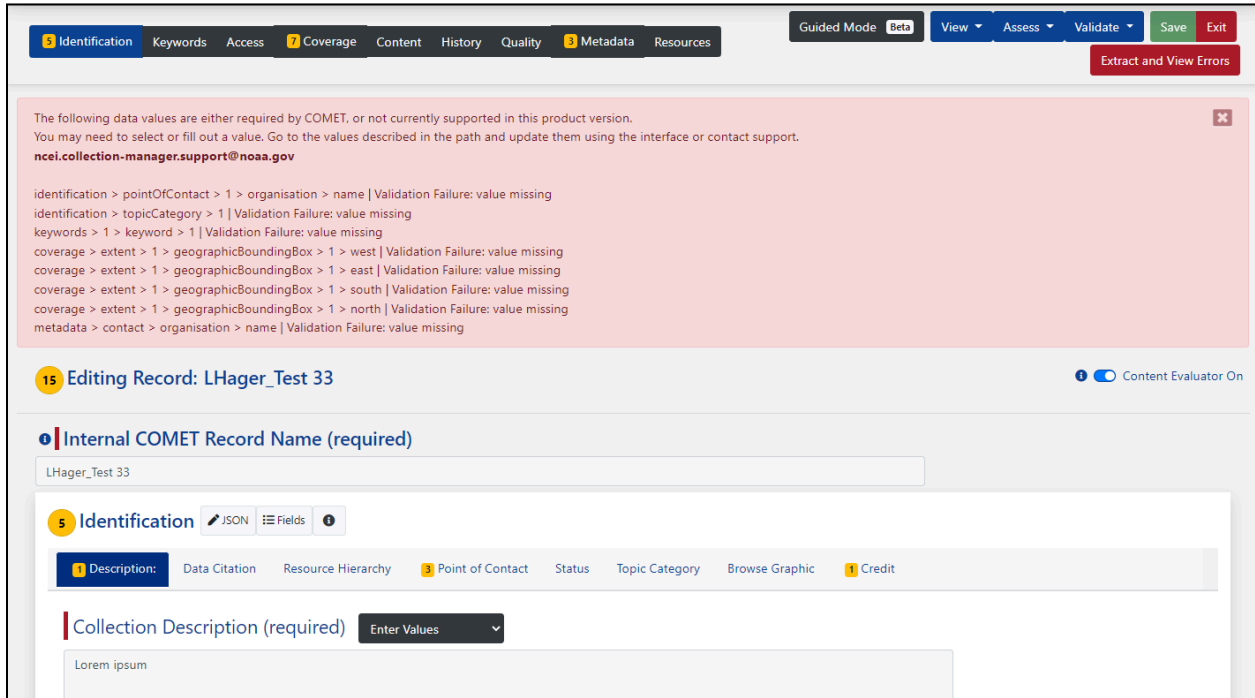
- On Metadata Records List panel, locate record to be edited and select ‘Edit’ drop-down from Tasks column
 - Select ‘ISO Editor’



- Record opens in new tab
- Edit metadata, as desired
 - [Insert Docucomp components](#), as needed

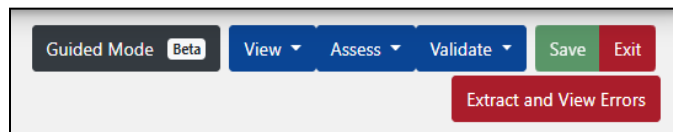
If 'No, use blank' was selected when record initially created, and data is missing from Description tab, 'Collection Description' or 'Purpose' OR data is missing from Data Citation tab, 'Title'

- Receive 'Validation Failure: value missing' message
- 'Extract and View Errors' button will appear in top right corner



Extract and View Errors

- Click 'Extract and View Errors' in top right corner



- Fields with errors are displayed
- First error is in Identification category (identification), Point of Contact sub-category (pointOfContant), 1 error (1), Organization field (organisation), Organization Name (name), and what is wrong - value is missing

The following data values are either required by COMET, or not currently supported in this product version. You may need to select or fill out a value. Go to the values described in the path and update them using the interface or contact support. ncei.collection-manager.support@noaa.gov

identification > pointOfContact > 1 > organisation > name | Validation Failure: value missing
 identification > topicCategory > 1 | Validation Failure: value missing
 keywords > 1 > keyword > 1 | Validation Failure: value missing
 coverage > extent > 1 > geographicBoundingBox > 1 > west | Validation Failure: value missing
 coverage > extent > 1 > geographicBoundingBox > 1 > east | Validation Failure: value missing
 coverage > extent > 1 > geographicBoundingBox > 1 > south | Validation Failure: value missing
 coverage > extent > 1 > geographicBoundingBox > 1 > north | Validation Failure: value missing
 metadata > contact > organisation > name | Validation Failure: value missing

15 Editing Record: LHager_Test 33 Content Evaluator On

Internal COMET Record Name (required)
 LHager_Test 33

5 Identification JSON Fields 0

1 Description: Data Citation Resource Hierarchy **1 Point of Contact** Status Topic Category Browse Graphic 1 Credit

1 Point of Contact +Contact

1 Contact 1 Enter Values

JSON Fields 0

Role Select Value

pointOfContact

2 Individual JSON Fields 0

1 Name Enter Values

1 Position Enter Values

1 Organization JSON Fields 0

1 Organization Name Enter Values

Contact Contact

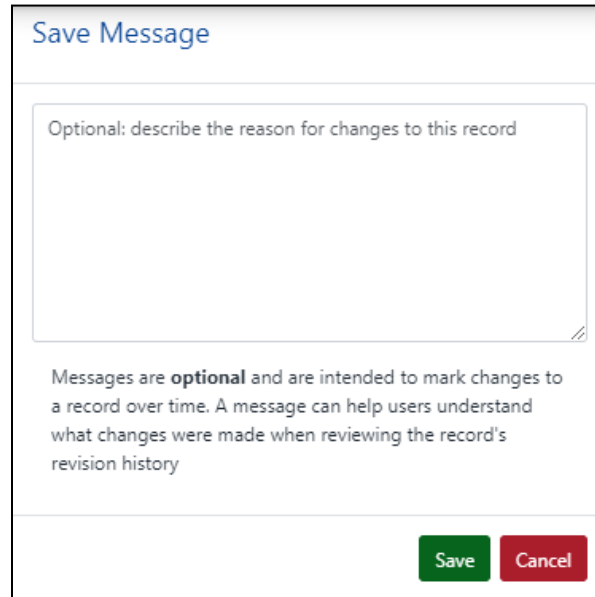
View/Edit Orphaned Data View @xml* Fields Warning Lock Refresh

- Enter missing data
- Once all errors are fixed, click 'Close Errors'

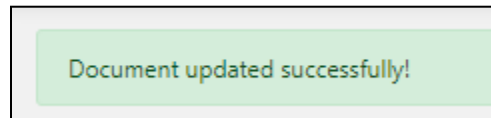
Guided Mode Beta View Assess Validate Save Exit

Close Errors

- Editing Record page reloads
 - Make further edits, as necessary
- Click ‘Save’
 - Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



- Message appears ‘Document updated successfully’



- Editing Record page reloads
- **If ‘Yes, populate with the NCEI template’ was selected when record initially created, and data is missing from Description tab, ‘Collection Description’ or ‘Purpose’ OR data is missing from Data Citation tab, ‘Title’**
 - Will not receive ‘Validation Failure: value missing’ message and ‘Extract and View Errors’ button will not appear

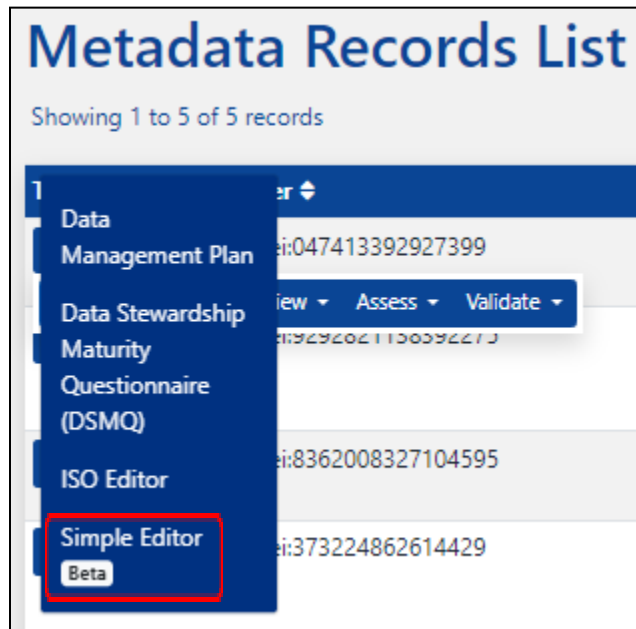
*Note: No error messages or alerts are given if required data is not present in record
User must confirm all data has been entered*

Collaborative Editing

- Editors can edit only records within Record Groups to which they belong
- Records cannot be accessed by more than one editor at a time
- For 30 minutes after a record is saved, it becomes locked and cannot be accessed by another user
 - User who saved record may access it again without having to wait 30 minute time limit

Simple Editor (Beta)

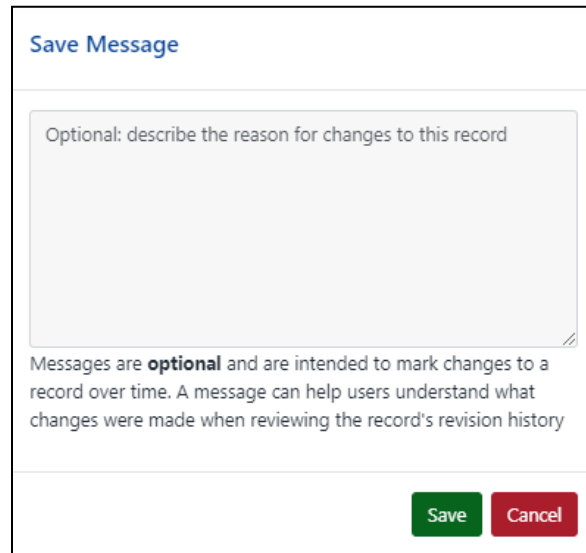
- On Metadata Records List panel, locate record to be edited and select 'Edit' drop-down from Tasks column
 - Select 'Simple Editor'



- Record opens in new tab
- Edit metadata as desired
- Click 'Save' button at top right of page OR Save icon at bottom right of page

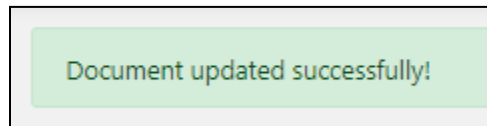


- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



The screenshot shows a dialog box titled "Save Message". Inside the dialog, there is a text area with the placeholder text "Optional: describe the reason for changes to this record". Below the text area, there is a paragraph of explanatory text: "Messages are **optional** and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history". At the bottom right of the dialog, there are two buttons: a green "Save" button and a red "Cancel" button.

- Message appears 'Document updated successfully'



- Editing Record page reloads

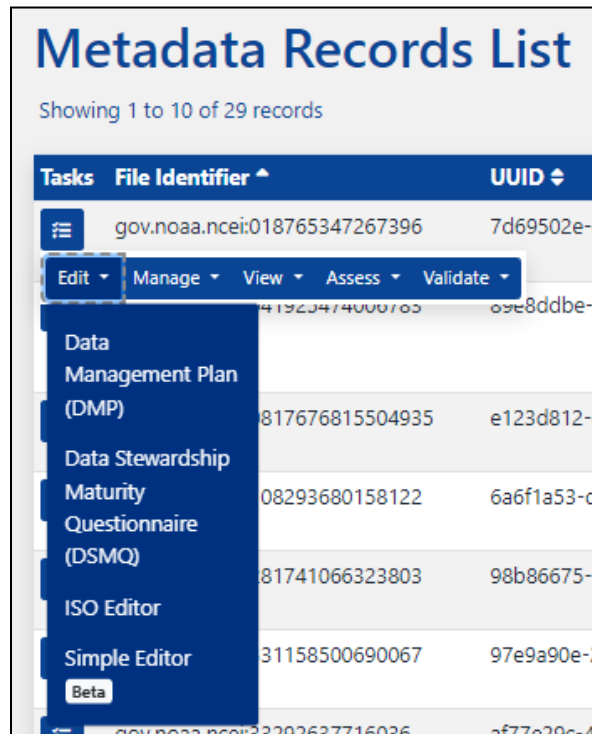
Docucomp Components

Docucomp manages reusable components (pieces of ISO XML) referenced by URLs within collection records, enabling many collections to use the same component, thereby increasing consistency and decreasing maintenance effort; also supports vocabulary services

Insert Components into CoMET's ISO Editor

Note:

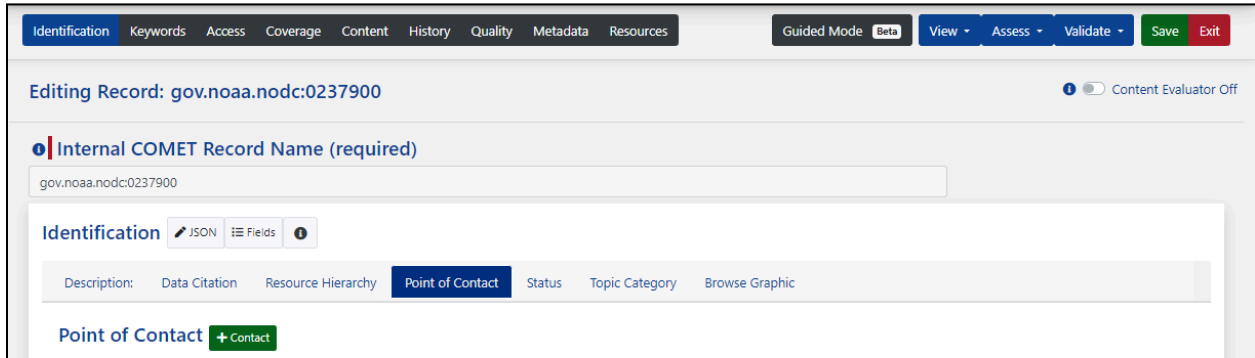
- *There are many areas in CoMET's records where Docucomp Xlinks can be used*
 - *CoMET does not resolve Xlinks*
 - *ISO Editor cannot tell if component is inserted into appropriate field, user must verify*
 - *Xlink will not resolve in published record if incorrect component is inserted or incorrect field is selected*
-
- On Metadata Records List panel, locate record to be edited and select 'Edit' drop-down from its row
 - Components can be inserted via 'ISO Editor' and 'Simple Editor'



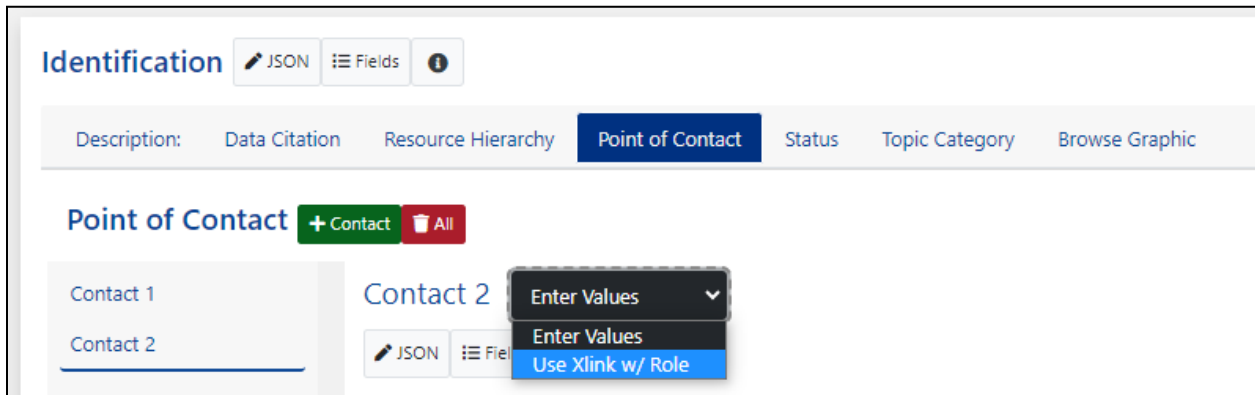
- Record opens in new tab
- Navigate to tab and field that corresponds to component

Note: Example shows how to insert a Point of Contact Xlink

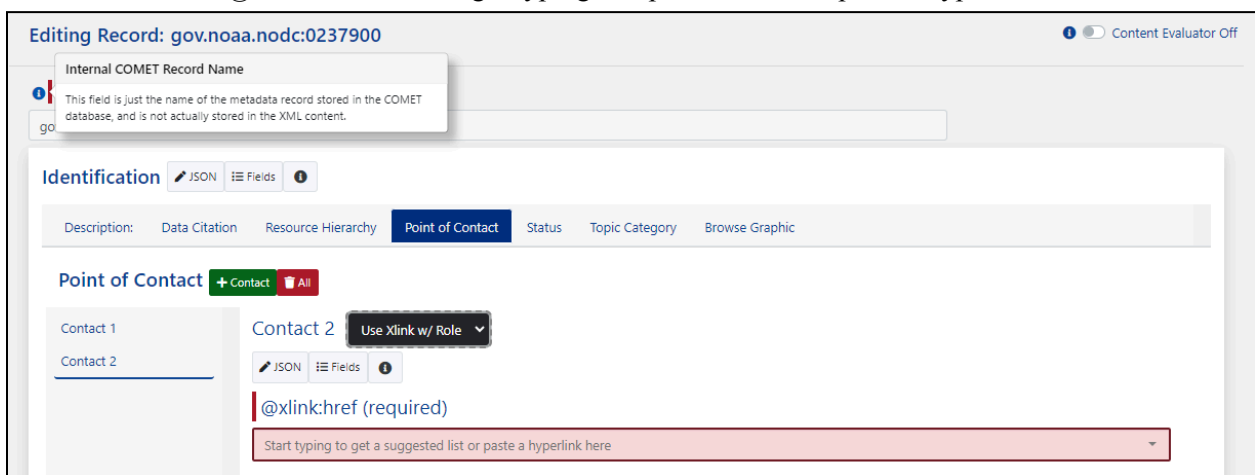
- Click ‘Point of Contact’ tab
 - Click ‘+Contact’



- In the drop-down box next to ‘Contact 2’ select ‘Use Xlink w/ Role’



- In @xlink:href field, begin typing component name or paste a hyperlink in field



- Select correct component from autocomplete drop-down list

Editing Record: gov.noaa.nodc:0237900 Content Evaluator Off

Internal COMET Record Name (required)

gov.noaa.nodc:0237900

Identification JSON Fields Info

Description Data Citation Resource Hierarchy **Point of Contact** Status Topic Category Browse Graphic

Point of Contact + Contact All

Contact 1
Contact 2

Contact 2 Use Xlink w/ Role

JSON Fields Info

@xlink:href (required)

Start typing to get a suggested list or paste a hyperlink here

- Anchor Test
<https://data.noaa.gov/docucomp/7f17924c-398f-4f26-a14a-4579687d78e4>
- Andreas Teske - principal investigator
<https://data.noaa.gov/docucomp/475de1d0-83a8-43fa-a348-bdcb68477871>
- BRIEF test d2b1daef-703a-4cd4-a0e5-39245fff299d
<https://data.noaa.gov/docucomp/d2b1daef-703a-4cd4-a0e5-39245fff299d>
- Calibration Procedures and Instrumental Accuracy Estimates of ATLAS Air Temperature and Relative Humidity Measurements MD_AggregateInformation
<https://data.noaa.gov/docucomp/9B664A7E-5141-C0E3-E040-0AC8C5BB43AD>

- In @xlink:title field, enter Component Name

Point of Contact + Contact All

Contact 1
Contact 2

Contact 2 Use Xlink w/ Role

JSON Fields Info

@xlink:href (required)

<https://data.noaa.gov/docucomp/7f17924c-398f-4f26-a14a-4579687d78e4>

@xlink:title

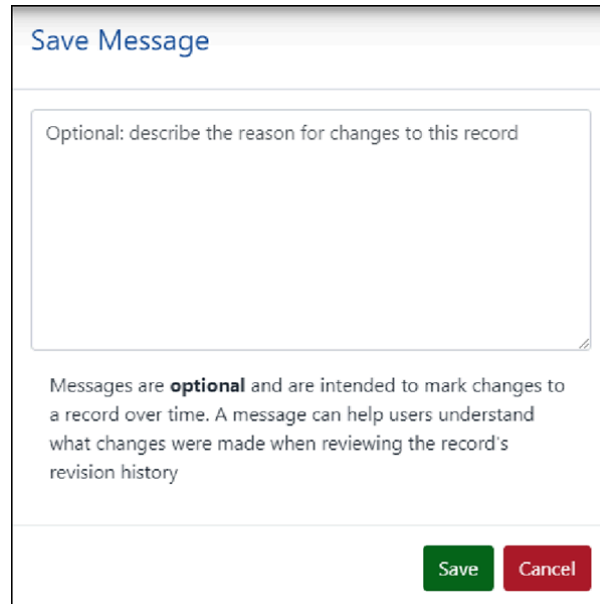
test 1

Contact Contact ↑

- Click 'Save' button at top right of page



- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History
- Click 'Save'



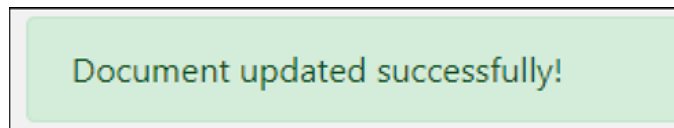
Save Message

Optional: describe the reason for changes to this record

Messages are **optional** and are intended to mark changes to a record over time. A message can help users understand what changes were made when reviewing the record's revision history

Save Cancel

- Message appears 'Document updated successfully!'



Note: User may [View Components in XML](#)

Manage

Replace with File

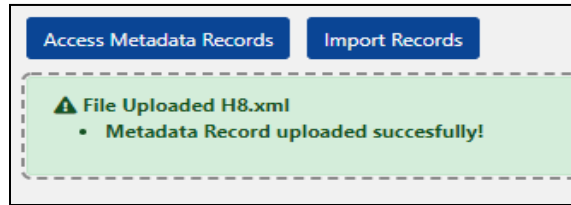
- To push changes to an already existing record
- On Metadata Records List panel, locate record to be replaced and select ‘Manage’ drop-down from Tasks column
 - Select ‘Replace with File’



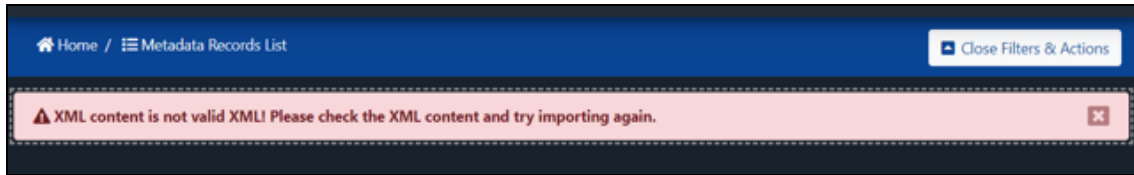
- Either click ‘Choose Files’ or enter a URL to select replacement file
- Click ‘Import’

The screenshot shows the 'Update Record' form. It has a title 'Update Record' and a subtitle 'Upload your XML File Here'. There are two options for uploading: 'Choose Files' (with a file named 'H8.xml' selected) and 'Or provide a URL to remote XML file here:'. Below this is a text input field for the 'Internal CoMET Record Name' (containing 'LHager_Test 34') and a dropdown menu for 'Select the record format for import' (set to 'ISO 19115-2 XML'). At the bottom is a green 'Import' button.

- Get message ‘Metadata Record uploaded successfully!’



- If XML is not valid, receive error message
 - Check XML and try importing again

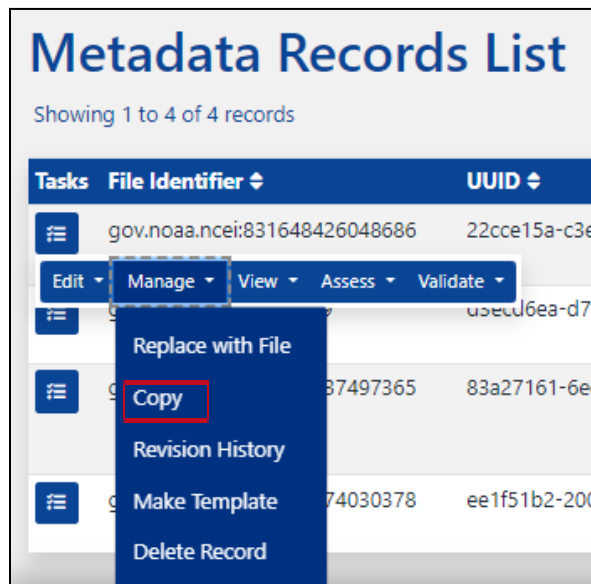


Copy

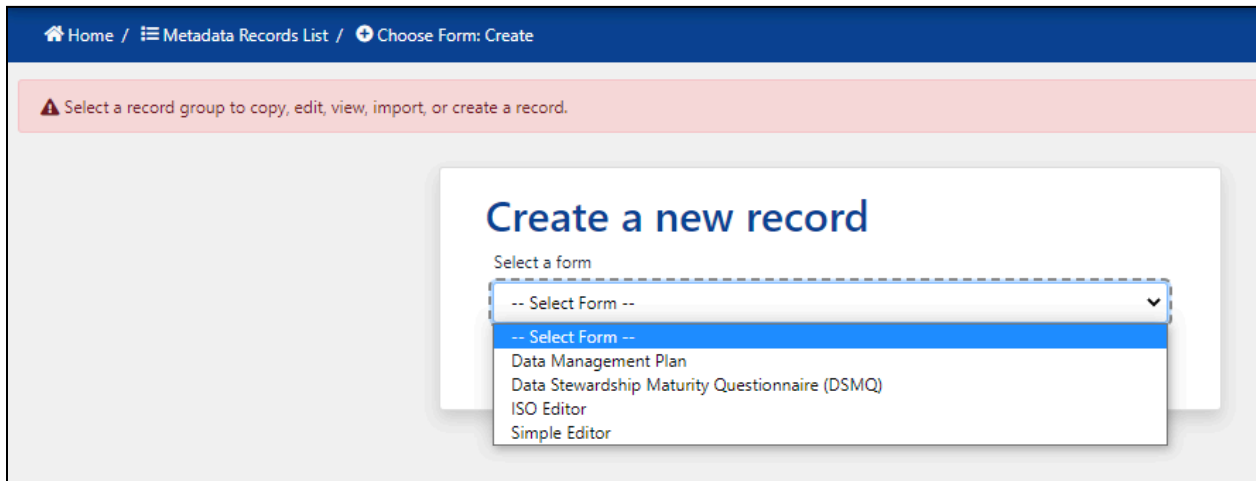
- If a new record is similar to an existing record, it may be more efficient to make a few changes to a copy
- Users can create templates for records with consistently similar information and copy them for each new record creation

Note: User may prefer to use ‘[Make Template](#)’ function instead

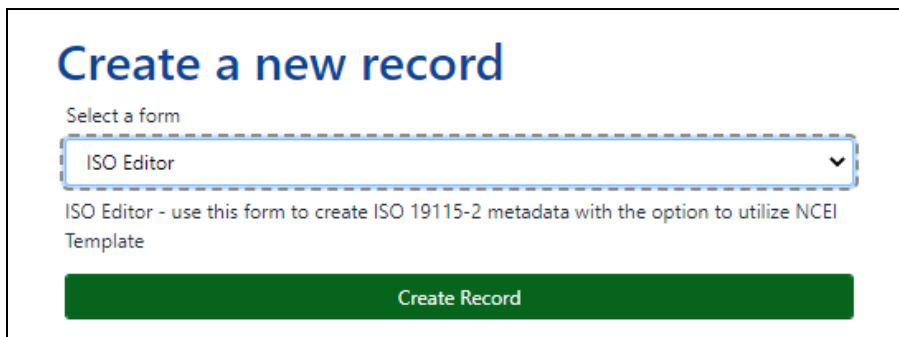
- Can use record in any Edit State - DRAFT, IN_REVIEW, or PUBLISH
- Edit State for copy will be DRAFT, regardless of original’s Edit State
- On Metadata Records List panel, locate record to be copied and select ‘Manage’ drop-down from Tasks column
 - Select ‘Copy’



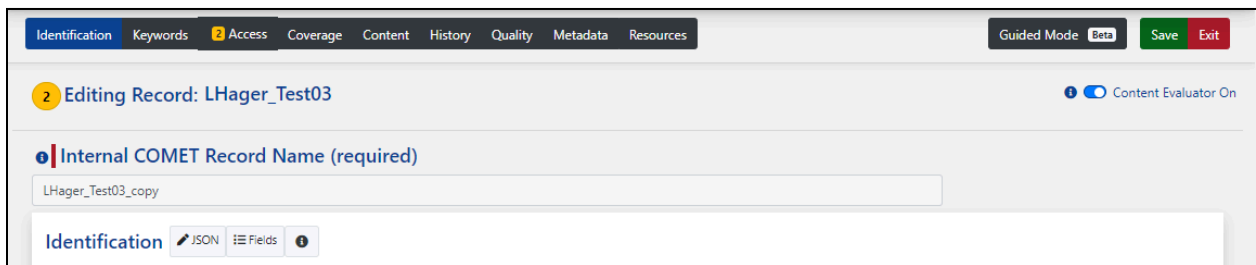
- New tab opens
- From ‘Select Form’ drop-down, select ‘ISO Editor’ OR ‘Simple Editor’



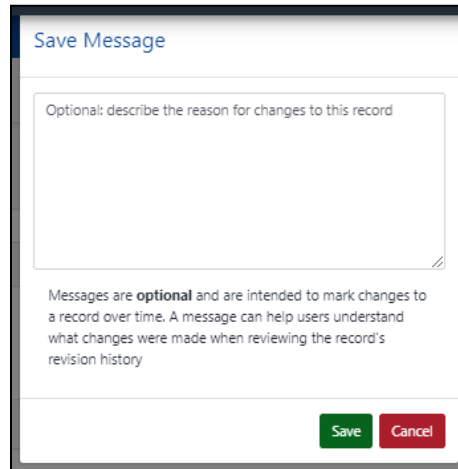
- Click ‘Create Record’



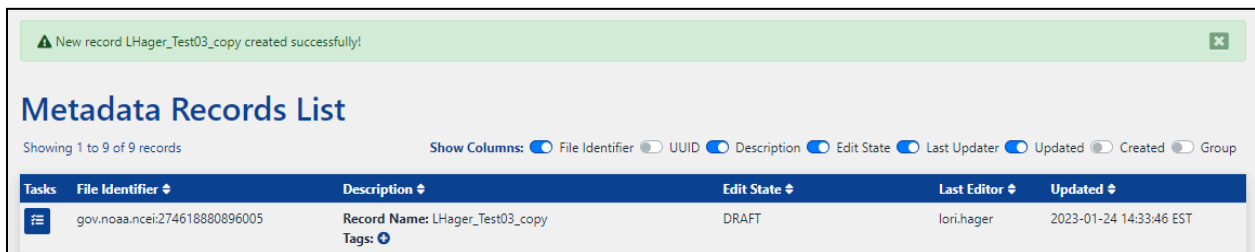
- Identical record created
- Editing page for copy opens
- If form is to have a different title, change it in ‘Internal COMET Record Name’ field
- Once changes to record are complete, click ‘Save’



- Save Message appears
 - User has option to add reason for changes made to record
 - Comment is optional but strongly recommended
 - Save Messages are included in Revision History



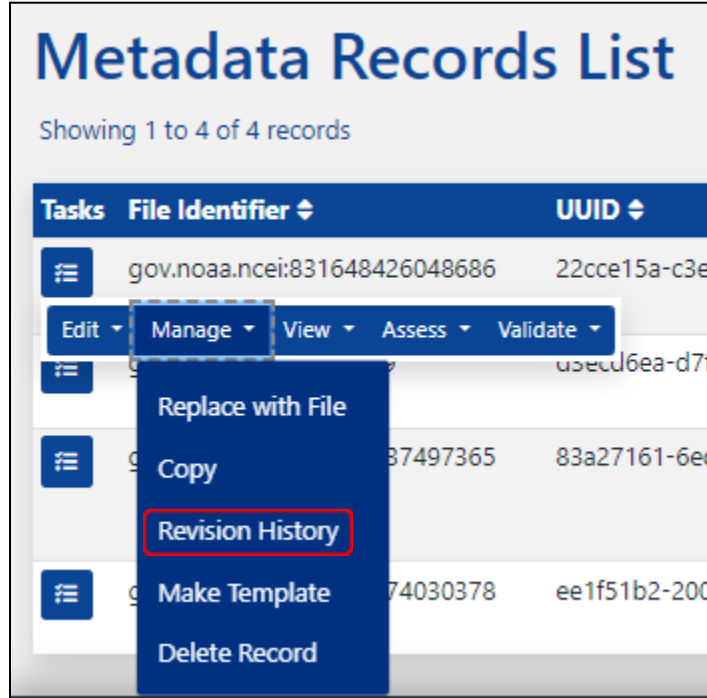
- Message appears 'New record . . . created successfully!'
- Metadata Records List page reloads



Tasks	File Identifier	Description	Edit State	Last Editor	Updated
	gov.noaa.ncei:274618880896005	Record Name: LHager_Test03_copy Tags:	DRAFT	lori.hager	2023-01-24 14:33:46 EST

Revision History

- On Metadata Records List panel, locate record and select ‘Manage’ drop-down from Tasks column
 - Select ‘Revision History’



- Each time a record is saved, Date and Updater are noted
 - If a Message was saved, message is also displayed

LHager_Test Revision History

Compare Versions Showing 1 to 5 of 5 records

Version	Date	Updater	Message	Action
<input type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
<input type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

Compare Versions

- Check Version boxes of records to be compared
 - Clicking red 'X' in bottom right corner will deselect Version box(s)
- Click 'Compare Versions'

LHager_Test Revision History

Compare Versions
Showing 1 to 5 of 5 records

Version	Date	Updater	Message	Action
<input checked="" type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
<input type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML ↶ Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML ↶ Revert
<input checked="" type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML ↶ Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML ↶ Revert

✕

- Below 'Version', numbers in left column refer to more recent version and numbers in right column refer to older version

Compare Versions

LHager_Test Revision History

Number of differences: 20 differences from 5 lines of code.

Version (1422623) vs. (1422620)		
- 1	1	<?xml version="1.0" encoding="utf-8"?>
2	2	<formDef1
3	2	xmlns:gms="http://www.isoto211.org/2005/gms"
4	2	xmlns:geo="http://www.isoto211.org/2005/geo"
- 5	4	xmlns:src="http://www.isoto211.org/2005/src"
6	5	xmlns:wlink="http://www.w3.org/1999/wlink"
7	6	xmlns:gml="http://www.opengis.net/gml/3.2"
8	7	xmlns:gsa="http://www.isoto211.org/2005/gsa"
9	7	xmlns:gsz="http://www.isoto211.org/2005/gsz"
10	8	xmlns:ges="http://www.isoto211.org/2005/ges"
11	8	xmlns:gsd="http://www.isoto211.org/2005/gsd"
12	9	xmlns:gtr="http://www.isoto211.org/2005/gtr"
13	10	xmlns:gmi="http://www.isoto211.org/2005/gmi"
14	11	xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
15	11	xmlns:gsa="http://www.isoto211.org/2005/gsa"
- 16	12	xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
17	13	xmlns:geo="http://www.isoto211.org/2005/geo">
- 18	14	</content></content>
19	15	<orphan>
20	16	<import
21	17	<standard>ISO 19115-2</standard>

- XML may be viewed from Revision History page
 - Below Action, click 'View XML'

LHager_Test Revision History

Compare Versions Showing 1 to 5 of 5 records

Version	Date	Updater	Message	Action
<input type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
<input type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

- XML for selected version opens in new tab

This XML file does not appear to have any style information associated with it. The document tree is shown below:

```
<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
<formModel xmlns:gmX="http://www.isotc211.org/2005/gmX" xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:gts="http://www.isotc211.org/2005/gts"
xmlns:gSR="http://www.isotc211.org/2005/gSR" xmlns:gSS="http://www.isotc211.org/2005/gSS" xmlns:gMD="http://www.isotc211.org/2005/gMD"
xmlns:xSI="http://www.w3.org/2001/XMLSchema-instance" xmlns:gco="http://www.isotc211.org/2005/gco">
  <content/>
  <orphan/>
  <import href="http://www.iso.org/iso/19115-2/standard" namespace="http://www.iso.org/iso/19115-2/standard"/>
  </import>
  <gmi:MI_Metadata xSI:schemaLocation="http://www.isotc211.org/2005/gmi https://data.noaa.gov/resources/iso19139/schema.xsd">
    <gmd:identificationInfo>
      <gmd:MD_DataIdentification/>
    </gmd:identificationInfo>
  </gmi:MI_Metadata>
</formModel>
```


Undo a Change By Reverting To Prior Version

- Recall an earlier version and make it current version
 - On Revision History page, check appropriate Version box
 - Clicking red 'X' in bottom right corner will deselect Version box
 - Click its 'Revert' button

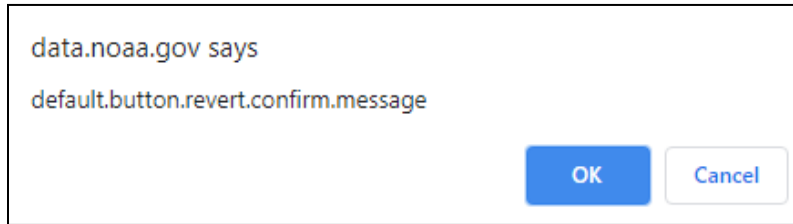
LHager_Test Revision History

Compare Versions Showing 1 to 5 of 5 records

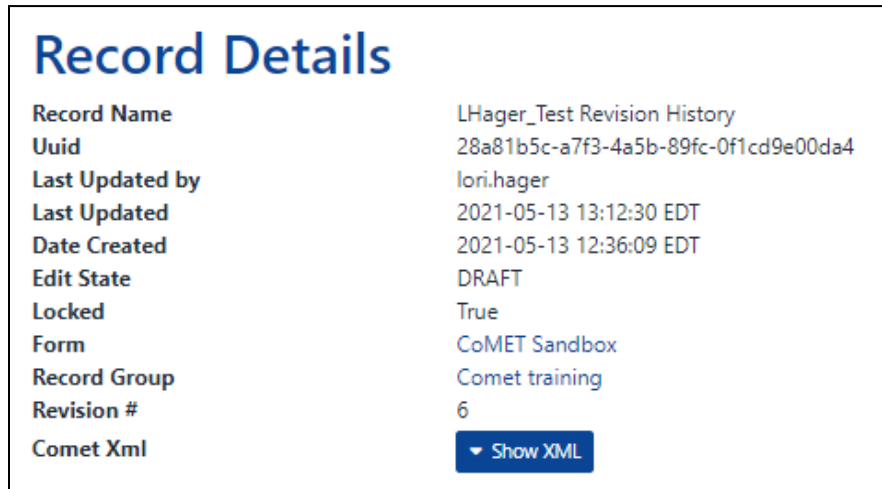
Version	Date	Updater	Message	Action
<input type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML
<input checked="" type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert



- Click 'OK'



- Page opens with Record Details



Record Details

Record Name	LHager_Test Revision History
Uuid	28a81b5c-a7f3-4a5b-89fc-0f1cd9e00da4
Last Updated by	lori.hager
Last Updated	2021-05-13 13:12:30 EDT
Date Created	2021-05-13 12:36:09 EDT
Edit State	DRAFT
Locked	True
Form	CoMET Sandbox
Record Group	Comet training
Revision #	6
Comet Xml	▼ Show XML

- Revision # is 6
 - Record had 5 versions
 - Version numbers were 1 through 5, with 5 being most recent (counting from bottom up)
 - Version 4 was recalled
 - Copy of version 4 became version 6
 - Next time record is edited, version 6 will be used

LHager_Test Revision History

Compare Versions Showing 1 to 6 of 6 records

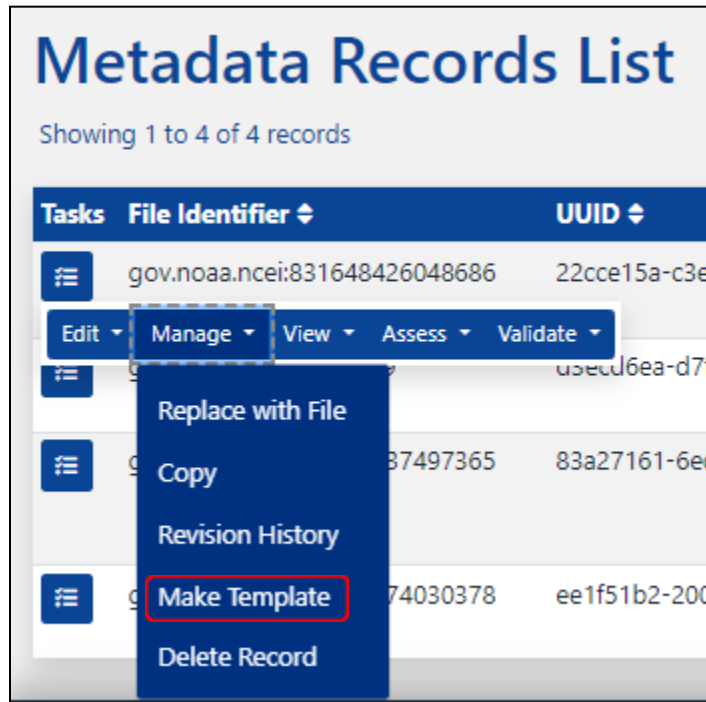
Version	Date	Updater	Message	Action
<input type="checkbox"/>	2021-05-13 13:12:30.871	lori.hager		View XML
<input type="checkbox"/>	2021-05-13 12:39:04.425	lori.hager	Added text to create Version 5	View XML Revert
<input type="checkbox"/>	2021-05-13 12:38:37.414	lori.hager	Added text to create Version 4	View XML Revert
<input type="checkbox"/>	2021-05-13 12:37:33.246	lori.hager	Added text to create Version 3	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:59.577	lori.hager	Added text to create Version 2	View XML Revert
<input type="checkbox"/>	2021-05-13 12:36:09.255	lori.hager	To Test Revision History	View XML Revert

Make Template

- If users are going to create records with consistently similar information, they can create a Template
 - ‘Make Template’ function is different from ‘Copy’ function
 - If template created from Make Template, Edit State will be TEMPLATE
 - If template created from Copy, Edit State will be DRAFT
 - Only records with Edit State of TEMPLATE will be ignored by Publish function APPROVE ALL

Note: ‘Make Template’ can be used on records with any Edit State

- On Metadata Records List panel, locate record to be changed to template and select ‘Manage’ drop-down from Tasks column
 - Select ‘Make Template’



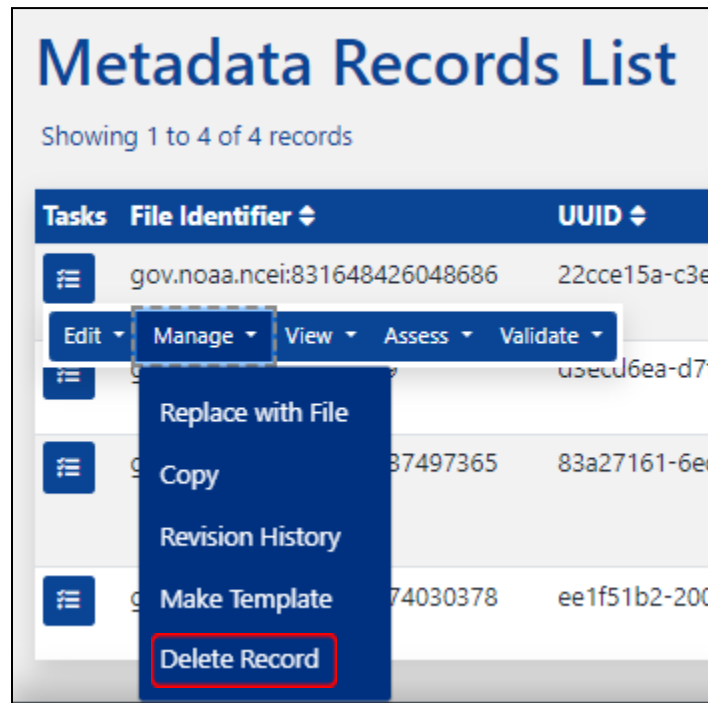
- Record’s Edit State is changed to ‘TEMPLATE’

Tasks	File Identifier	UUID	Description	Edit State	Last Editor	Updated
☰	gov.noaa.ncei:4403637149406405	59097ab9-6209-4822-8aac-a291cebc2655	Record Name: gov.noaa.nodc:0237899_Make Template Tags: +	TEMPLATE	lori.hager	2023-06-29 15:03:33 EDT

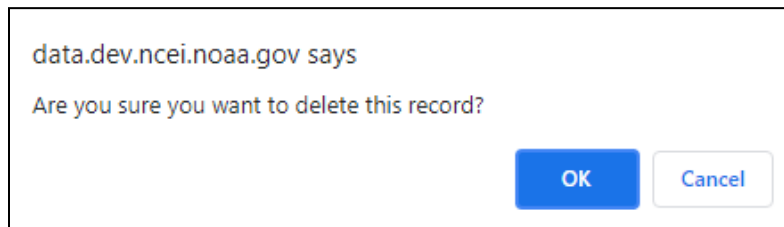
Delete Record

Note: *Delete Record option not available for records with an edit state of WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS*

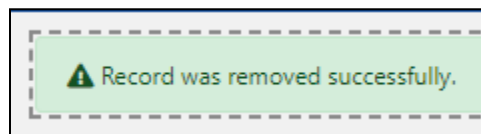
- On Metadata Records List panel, locate record to be deleted and select 'Manage' drop-down from Tasks column
 - Select 'Delete Record'



- Confirmation message appears
 - Click 'OK'



- Message appears 'Record was removed successfully'



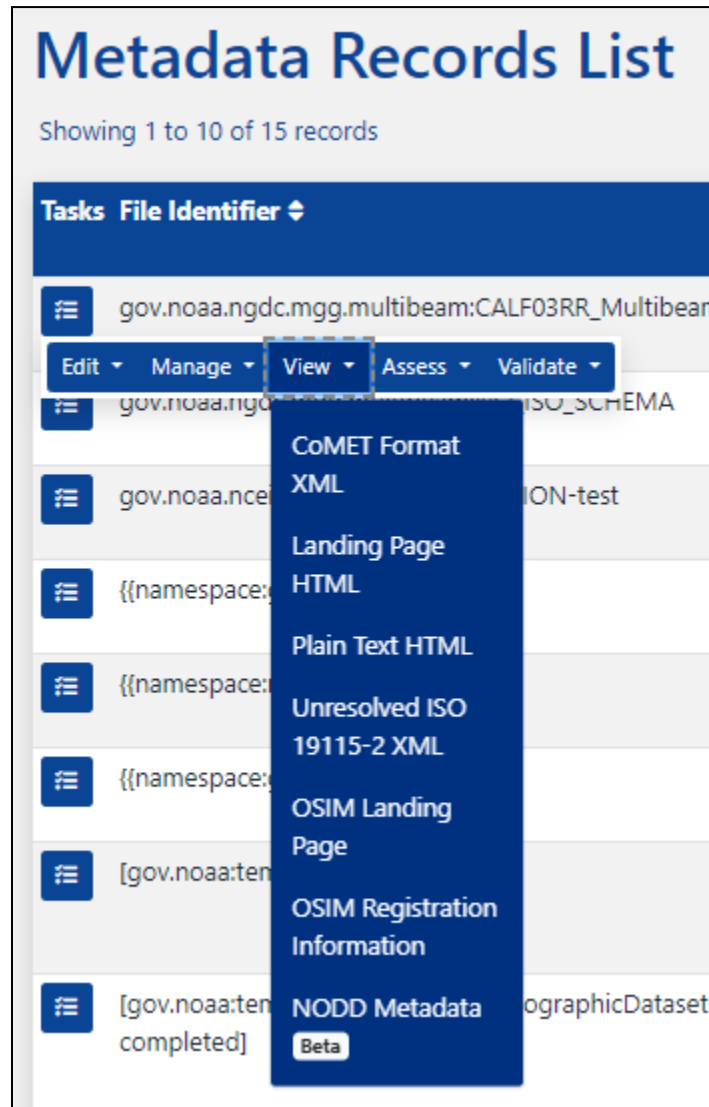
- Metadata Records List page reloads

View

Contents of record may be viewed in various ways

- On Metadata Records List panel, locate record to be viewed and select 'View' drop-down from Tasks column

Note: 'OSIM Landing Page' and 'OSIM Registration Information' on drop-down only if record's edit state is 'WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS'



CoMET Format XML

Internal format-neutral representation of descriptive information about the collection, includes related DMP and DSMQ information

Example:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml version="1.0" encoding="UTF-8" >
<formModel xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gml="http://www.opengis.net/gml/3.2"
xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <identification>
    <hierarchyLevel>dataset</hierarchyLevel>
  </identification>
  <citation>
    <title>NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover Environmental Data Record (EDR) from NDE</title>
    <edition>Validated</edition>
    <alternateTitle>JPSS-SC-NDE</alternateTitle>
    <date>
      <type>publication</type>
      <value>2017-07-06</value>
    </date>
    <identifier isoOrigin="gmd:MD_Identifier">
      <code xlink:href="https://doi.org/10.7289/V5M043MH" xlink:title="DOI" xlink:actuate="onRequest">doi:10.7289/V5M043MH</code>
    </identifier>
    <identifier isoOrigin="gmd:MD_Identifier">
      <code>gov.noaa.ncdc:C01436</code>
    </identifier>
    <identifier isoOrigin="gmd:MD_Identifier">
      <code>gov.noaa.class:VIIRS_SC</code>
    </identifier>
    <responsibleParty>
      <role>publisher</role>
      <organisation>
        <name>NOAA National Centers for Environmental Information</name>
      </organisation>
    </responsibleParty>
    <responsibleParty>
      <role>principalInvestigator</role>
      <individual>
        <name>Romanov, Peter</name>
      </individual>
      <organisation>
        <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
      </organisation>
    </responsibleParty>
    <responsibleParty>
      <role>author</role>
      <individual>
        <name>Romanov, Peter</name>
      </individual>
      <organisation>
        <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
      </organisation>
    </responsibleParty>
    <responsibleParty>
      <role>principalInvestigator</role>
      <individual>
        <name>Key, Jeffrey</name>
      </individual>
      <organisation>
        <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
      </organisation>
    </responsibleParty>
    <responsibleParty>
      <role>author</role>
      <individual>
        <name>Key, Jeffrey</name>
      </individual>
      <organisation>
        <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
      </organisation>
    </responsibleParty>
    <responsibleParty>
      <role>principalInvestigator</role>
      <individual>
        <name>Heifrich, Sean</name>
      </individual>
      <organisation>
        <name>DOC/NOAA/NESDIS/STAR > Center for Satellite Applications and Research, NESDIS, NOAA, U.S. Department of Commerce</name>
      </organisation>
    </responsibleParty>
  </citation>
</formModel>
```

Landing Page HTML

HTML rendering of unresolved metadata content and how it will look on NCEI's Geoportal

- Xlinks are not resolved in this view

Example:

The screenshot shows the NOAA dataset landing page for "NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data". The page includes the NOAA logo, navigation menu, search bar, and breadcrumb trail. The main content area features a satellite illustration, a descriptive paragraph about the instrument, and three buttons for "Dataset Citation", "Dataset Identifiers", and "ISO 19115-2 Metadata". Below this is a tabbed interface with tabs for "Access", "Time & Location", "Documentation", "Description", "Credit", "Keywords", "Constraints", and "Lineage". The "Access" tab is active, displaying a table with rows for "Order Data", "Distribution Formats", "Distributor", and "Dataset Point of Contact".

NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data
SUVI-INST-CAL-ENG

 The Solar Ultraviolet Imager is a telescope that monitors the Sun in the extreme ultraviolet wavelength range. SUVI observes and characterizes complex active regions of the Sun, solar flares, and the eruptions of solar filaments which may give rise to coronal mass ejections. Depending on the size and the trajectory of solar eruptions, the possible effects to near-Earth space and Earth's magnetosphere, referred to as space weather, can cause geomagnetic storms which disrupt power utilities, communication and navigation systems, and may cause radiation damage to orbiting satellites and the International Space Station. SUVI observations of solar flares and solar eruptions provide an early warning of possible impacts to Earth's space.

[Dataset Citation](#)
[Dataset Identifiers](#)
[ISO 19115-2 Metadata](#)

Access | Time & Location | Documentation | Description | Credit | Keywords | Constraints | Lineage

Order Data	NOAA Comprehensive Large Array-data Stewardship System (CLASS) Data Search and Order (order) Search the data archive and submit an order for the dataset via the interface
Distribution Formats	<ul style="list-style-type: none">netCDF (Version: 4)
Distributor	Customer Engagement Branch DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce 1-828-271-4800 ncei.orders@noaa.gov
Dataset Point of Contact	Customer Engagement Branch DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce 1-828-271-4800 ncei.orders@noaa.gov

Last Modified: 2021-02-04
For questions about the information on this page, please email: ncei.orders@noaa.gov

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Department of Commerce > NOAA > NESDIS > NCEI

Plain Text HTML

Plain text rendering of unresolved metadata content, which may include elements not presented on Landing Page HTML

Example:

```
referenceSystemInfo
identificationInfo
contentInfo
distributionInfo
dataQualityInfo
dataQualityInfo
dataQualityInfo
metadataMaintenance
```

NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover Environmental Data Record (EDR) from NDE

(MI_Metadata)
fileIdentifier: gov.noaa.ncdc:C01436
language: eng: USA
characterSet: (MD_CharacterSetCode) utf8
hierarchyLevel: (MD_ScopeCode) dataset
contact: (CI_ResponsibleParty)
organisationName: DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce
positionName: ISO 19115 Metadata Contact
contactInfo: (CI_Contact)
phone: (CI_Telephone)
voice: 1-828-271-4800
facsimile: 1-828-271-4876
address: (CI_Address)
deliveryPoint: 151 Patton Avenue
deliveryPoint: Veach-Baley Federal Building, Room 468
city: Asheville
administrativeArea: NC
postalCode: 28801-5001
country: USA
electronicMailAddress: ncei.orders@noaa.gov
onlineResource: (CI_OnlineResource)
linkage: <https://www.ncei.noaa.gov>
protocol: HTTPS
applicationProfile: Web Browser
name: NOAA National Centers for Environmental Information (NCEI)
description: NCEI home page with information, data access and contact information.
function: (CI_OnlineFunctionCode) information
hoursOfService: 8:00 - 6:00 Eastern
role: (CI_RoleCode) pointOfContact
dateStamp: 2019-05-29
metadataStandardName: ISO 19115-2 Geographic Information - Metadata - Part 2: Extensions for Imagery and Gridded Data
metadataStandardVersion: ISO 19115-2:2009(E)
[return to top](#)

referenceSystemInfo: (MD_ReferenceSystem)
referenceSystemIdentifier: (RS_Identifier)
authority: (CI_Citation)
title: EPSG Geodetic Parameter Dataset Registry
date: (CI_Date)
date: 2008-11-12
dateType: (CI_DateTypeCode) publication
citedResponsibleParty: (CI_ResponsibleParty)
organisationName: International Association of Oil and Gas Producers (OGP) Geomatics Committee
contactInfo: (CI_Contact)
onlineResource: (CI_OnlineResource)
linkage: <http://www.epsg-registry.org/>
applicationProfile: Data Search Application
name: EPSG Geodetic Parameter Dataset Registry Application

Unresolved ISO 19115-2 XML

Representation of unresolved ISO 19115-2 metadata content represented in ISO 19139-2, which is XML implementation of ISO 19115-2 content standard

Example:

```
This XML file does not appear to have any style information associated with it. The document tree is shown below.
<gmi:MI_Metadata xmlns:gmi="http://www.isotc211.org/2005/gmi" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gml="http://www.opengis.net/gml/3.2"
xmlns:gx="http://www.isotc211.org/2005/gx" xmlns:gsr="http://www.isotc211.org/2005/gsr" xmlns:gss="http://www.isotc211.org/2005/gss" xmlns:gts="http://www.isotc211.org/2005/gts"
xmlns:srv="http://www.isotc211.org/2005/srv" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.isotc211.org/2005/gmi
https://data.noaa.gov/resources/iso19139/schema.xsd" uuid="5369c4a8-7edd-43be-8b21-1218f48d4be9">
  <gmd:fileIdentifier>
    <gco:CharacterString>gov.noaa.ncdc:C01528</gco:CharacterString>
  </gmd:fileIdentifier>
  <gmd:language>
    <gco:CharacterString>eng; USA</gco:CharacterString>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_CharacterSetCode" codeListValue="utf8">utf8</gmd:MD_CharacterSetCode>
  </gmd:characterSet>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_ScopeCode" codeListValue="dataset">dataset</gmd:MD_ScopeCode>
  </gmd:hierarchyLevel>
  <gmd:contact>
    <gmd:CI_ResponsibleParty>
      <gmd:organisationName>
        <gco:CharacterString>DOC/NOAA/NESDIS/WCEI > National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce</gco:CharacterString>
      </gmd:organisationName>
      <gmd:positionName>
        <gco:CharacterString>ISO 19115 Metadata Contact</gco:CharacterString>
      </gmd:positionName>
      <gmd:contactInfo>
        <gmd:CI_Contact>
          <gmd:phone>
            <gmd:CI_Telephone>
              <gmd:voice>
                <gco:CharacterString>1-828-271-4800</gco:CharacterString>
              </gmd:voice>
              <gmd:facsimile>
                <gco:CharacterString>1-828-271-4876</gco:CharacterString>
              </gmd:facsimile>
            </gmd:CI_Telephone>
          </gmd:phone>
          <gmd:address>
            <gmd:CI_Address>
              <gmd:deliveryPoint>
                <gco:CharacterString>151 Patton Avenue</gco:CharacterString>
              </gmd:deliveryPoint>
              <gmd:deliveryPoint>
                <gco:CharacterString>Veach-Baley Federal Building, Room 468</gco:CharacterString>
              </gmd:deliveryPoint>
              <gmd:city>
                <gco:CharacterString>Asheville</gco:CharacterString>
              </gmd:city>
              <gmd:administrativeArea>
                <gco:CharacterString>NC</gco:CharacterString>
              </gmd:administrativeArea>
              <gmd:postalCode>
                <gco:CharacterString>28801-5001</gco:CharacterString>
              </gmd:postalCode>
              <gmd:country>
                <gco:CharacterString>USA</gco:CharacterString>
              </gmd:country>
              <gmd:electronicMailAddress>
                <gco:CharacterString>ncei.orders@noaa.gov</gco:CharacterString>
              </gmd:electronicMailAddress>
            </gmd:CI_Address>
          </gmd:address>
          <gmd:onlineResource>
            <gmd:CI_OnlineResource>
              <gmd:linkage>

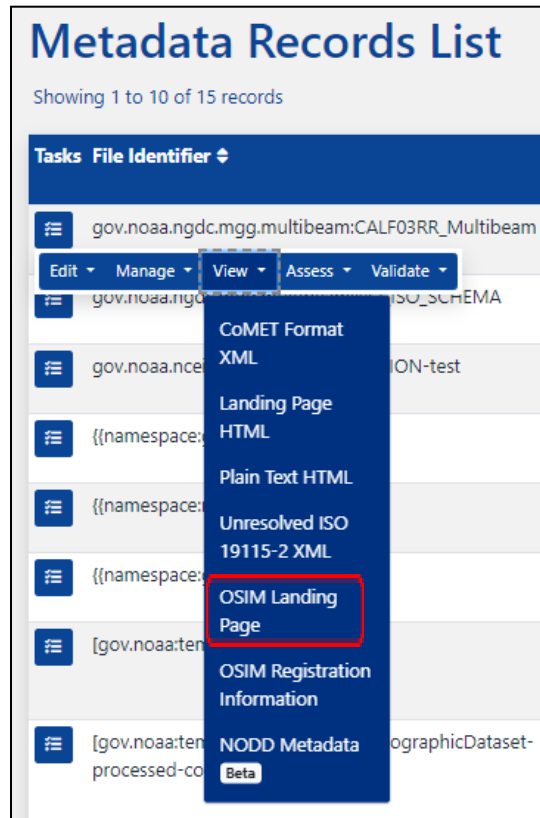
```

OSIM Landing Page

If record's Edit State is 'WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS', user may view its OneStop Landing Page

Metadata Records List						
Showing 1 to 10 of 15 records						
Show Columns: <input type="checkbox"/> File Identifier <input type="checkbox"/> UUID <input type="checkbox"/> Description <input type="checkbox"/> Edit State <input type="checkbox"/> Last Updater <input type="checkbox"/> Updated <input type="checkbox"/> Created						
Tasks	File Identifier	UUID	Description	Edit State	Last Editor	Updated
	gov.noaa.ngdc.mgg.multibeam:CALF03RR_Multibeam	fc04a13c-623d-45f0-a9ad-50e479365fba	Record Name: gov.noaa.ngdc.mgg.multibeam:CALF03RR_Multibeam Tags:	WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS	cedit.admin	2023-06-29 00:27:26 EDT

- On Metadata Records List panel, select 'View' drop-down from Tasks column
 - Select 'OSIM Landing Page'



- New tab opens to record's landing page in OneStop

The screenshot shows the NOAA OneStop interface for a specific data collection. At the top, the NOAA logo and 'OneStop NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION' are visible, along with a search bar and navigation links for 'About', 'Help', and a user icon.

The main heading reads: **Multibeam collection for CALF03RR: Multibeam data collected aboard Roger Revelle from 02-Nov-96 to 08-Nov-96, Port San Luis, California to San Diego, California**

Below the heading, a text block states: "This data set is part of a larger set of data called the Multibeam Bathymetry Database (M8808) where other similar data can be found". To the right of this text are four interactive buttons: 'Files', 'Metadata Access', 'Citation', and 'Identifier(s)', each with a dropdown arrow. A message below the 'Files' button says "Files in this collection are not currently searchable".

The page is divided into two main sections: 'Overview' and 'Access'. The 'Overview' section contains the following information:

- Time Period:** 1996-11-02 00:00:00 to 1996-11-08 23:59:59.999
- Map:** A map of the Pacific Ocean coastline from California to Mexico, with a red rectangle highlighting the data collection area.
- Bounding Coordinates:** Bounding Box covering 124.799878°, 13.959969°, 144.580663°, 2.03568001057° (W, N, E, S).
- DSMM Rating:** DSMM Rating Unavailable with a link to 'show info'.

The 'Access' section contains the following information:

- Themes:**
 - Oceans,
 - Bathymetry/Seafloor Topography,
 - Water Depth,[Show All](#)
- Instruments:**
 - Multibeam Mapping System,
 - Sound Navigation and Ranging,
 - Multibeam Swath Bathymetry System,[Show All](#)
- Platforms:**
 - Ships

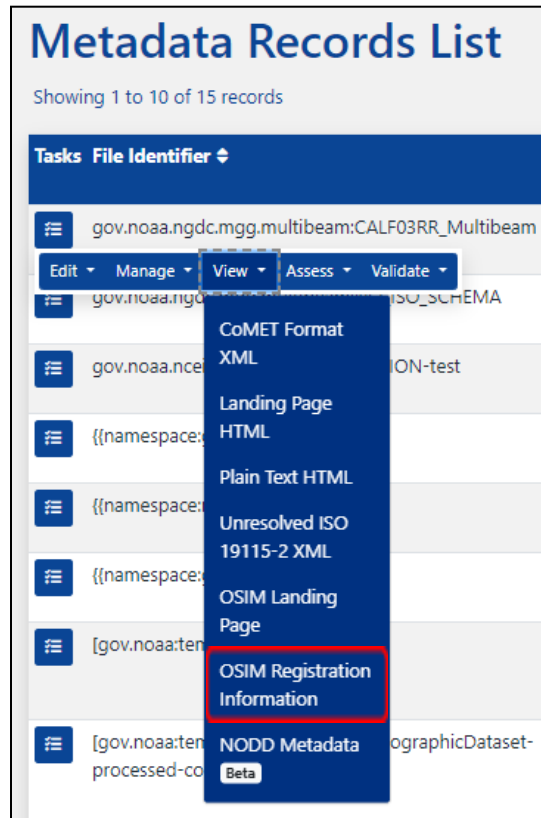
At the bottom of the page, there is a footer with links for 'Privacy Policy', 'Freedom of Information Act', 'Information Quality', 'Disclaimer', 'Take Our Survey', 'Contact Us', 'Department of Commerce', 'NOAA', and 'NEDIS'. Below this is a version and attribution notice: "Version 0 | Image Attribution ©".

OSIM Registration Information

If record's Edit State is 'WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS', user may view its OneStop Registration Information page

Metadata Records List						
Showing 1 to 10 of 15 records						
Show Columns: <input type="checkbox"/> File Identifier <input type="checkbox"/> UUID <input type="checkbox"/> Description <input type="checkbox"/> Edit State <input type="checkbox"/> Last Updater <input type="checkbox"/> Updated <input type="checkbox"/> Created						
Tasks	File Identifier	UUID	Description	Edit State	Last Editor	Updated
	gov.noaa.ngdc.mgg.multibeam:CALF03RR_Multibeam	fc04a13c-623d-45f0-a9ad-50e479365fba	Record Name: gov.noaa.ngdc.mgg.multibeam:CALF03RR_Multibeam Tags:	WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS	cedit.admin	2023-06-29 00:27:26 EDT

- On Metadata Records List panel, select 'View' drop-down from Tasks column
 - Select 'OSIM Registration Information'



- New tab opens to record's registration information page in OneStop

```

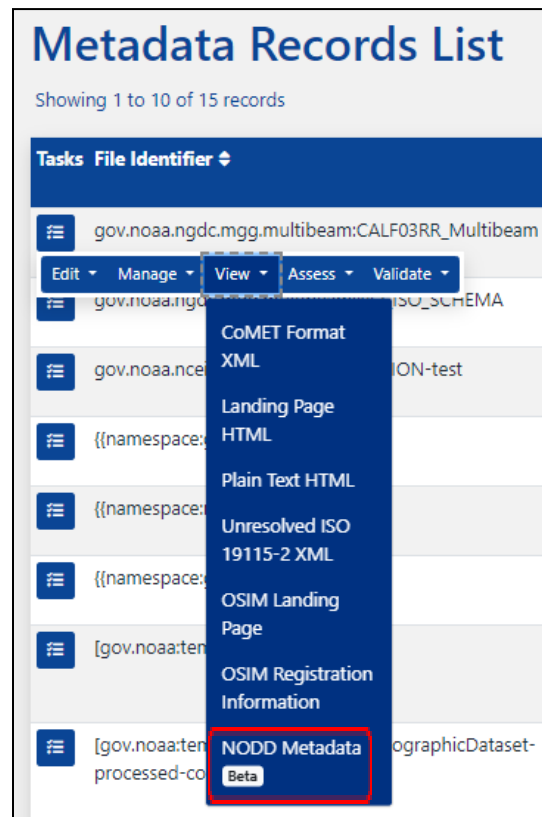
1 // 20230705105653
2 // https://data-prod.ncei.noaa.gov/onestop/api/registry/metadata/collection/comet/1b72bf4f-d446-4d37-9507-bc3dff3e0559
3
4 {
5   "links": {
6     "parsed": "http://data-prod.ncei.noaa.gov/onestop/api/registry/metadata/collection/comet/1b72bf4f-d446-4d37-9507-
bc3dff3e0559/parsed",
7     "xml": "http://data-prod.ncei.noaa.gov/onestop/api/registry/metadata/collection/comet/1b72bf4f-d446-4d37-9507-
bc3dff3e0559/raw/xml",
8     "self": "http://data-prod.ncei.noaa.gov/onestop/api/registry/metadata/collection/comet/1b72bf4f-d446-4d37-9507-
bc3dff3e0559"
9   },
10  "data": {
11    "id": "1b72bf4f-d446-4d37-9507-bc3dff3e0559",
12    "type": "collection",
13    "attributes": {
14      "rawJson": null,
15      "rawXml": "<gmi:MI_Metadata xmlns:gmi=\"http://www.isotc211.org/2005/gmi\"
xmlns:gco=\"http://www.isotc211.org/2005/gco\" xmlns:gmd=\"http://www.isotc211.org/2005/gmd\"
xmlns:gml=\"http://www.opengis.net/gml/3.2\" xmlns:gmw=\"http://www.isotc211.org/2005/gmw\"
xmlns:gssr=\"http://www.isotc211.org/2005/gssr\" xmlns:gss=\"http://www.isotc211.org/2005/gss\"
xmlns:gts=\"http://www.isotc211.org/2005/gts\" xmlns:xlink=\"http://www.w3.org/1999/xlink\"
xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance\" xsi:schemaLocation=\"http://www.isotc211.org/2005/gmi
https://data.noaa.gov/resources/iso19139/schema.xsd\" uuid=\"1b72bf4f-d446-4d37-9507-bc3dff3e0559\">\r\n
<gmd:fileIdentifier>\r\n  <gco:CharacterString>gov.noaa.ncdc:C01425</gco:CharacterString>\r\n  </gmd:fileIdentifier>\r\n
<gmd:language>\r\n  <gco:CharacterString>eng; USA</gco:CharacterString>\r\n  </gmd:language>\r\n  <gmd:characterSet>\r\n
<gmd:MD_CharacterSetCode
codeList=\"https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_CharacterSetCode\"
codeListValue=\"utf8\">utf8</gmd:MD_CharacterSetCode>\r\n  </gmd:characterSet>\r\n  <gmd:hierarchyLevel>\r\n
<gmd:MD_ScopeCode
codeList=\"https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#MD_ScopeCode\"
codeListValue=\"dataset\">dataset</gmd:MD_ScopeCode>\r\n  </gmd:hierarchyLevel>\r\n  <gmd:contact>\r\n
<gmd:CI_ResponsibleParty>\r\n    <gmd:organisationName>\r\n      <gco:CharacterString>DOC/NOAA/NESDIS/NCEI &gt; National
Centers for Environmental\r\n
Information, NESDIS, NOAA, U.S. Department of Commerce</gco:CharacterString>\r\n
</gmd:organisationName>\r\n    <gmd:positionName>\r\n      <gco:CharacterString>ISO 19115 Metadata
Contact</gco:CharacterString>\r\n    </gmd:positionName>\r\n    <gmd:contactInfo>\r\n      <gmd:CI_Contact>\r\n
<gmd:phone>\r\n      <gmd:CI_Telephone>\r\n      <gmd:voice>\r\n      <gco:CharacterString>1-828-271-

```

NODD Metadata (Beta)

The NODD Metadata view enables users to preview how their ISO metadata will translate into a YAML file, which is used by cloud service providers in the NODD Program. This view only applies to dataset collections that are included in the NODD Program.

- On Metadata Records List panel, select 'View' drop-down from Tasks column
 - Select 'NODD Metadata'



Example:

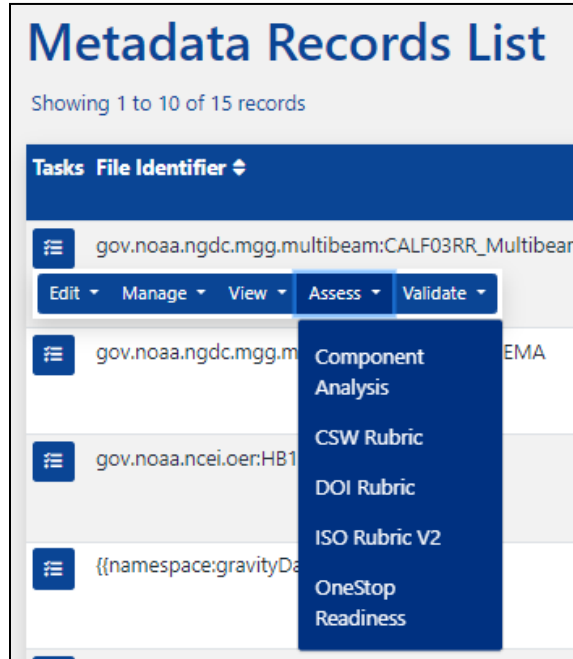
```
UpdateFrequency: asNeeded
Name: NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover Environmental
Data Record (EDR) from NDE
Description: This dataset contains a high quality operational Environmental Data Record
(EDR) of snow cover from the Visible Infrared Imaging Radiometer Suite (VIIRS) instrument
onboard the Suomi-NPP satellite and is produced by the NOAA Satellite and Information
Service (NESDIS). This product provides both binary (snow or no-snow) and fractional
snow cover for cloud-free areas during daytime. The product also includes quality
information which provides support information on the quality of snow retrievals.
The algorithm utilizes VIIRS visible bands I1 (0.640 micron), I2 (0.865 micron),
I3 (1.61 micron), I4 (3.74 micron), and I5 (11.5 micron) at a spatial resolution
of 375 meters. VIIRS Snow Cover products distributed by the NESDIS Data Exploitation
system (NDE) and obtained from the Comprehensive Large-Array Stewardship System
(CLASS) are distributed in single 86-second granules in NetCDF-4 format with metadata
attributes included.
Documentation: https://doi.org/10.7289/V5M043MH
Contact: 'Email ncei.orders@noaa.gov Phone 1-828-271-4800 Fax 1-828-271-4876 Online
Resource NOAA National Centers for Environmental Information (NCEI) https://www.ncei.noaa.gov '
ManagedBy: DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information,
NESDIS, NOAA, U.S. Department of Commerce
License: Open Data. There are no restrictions on the use of this data. Use of the
data should cite NOAA and NESDIS/NCEI as the dataset creator.
Tags:
- climate
- weather
Resources:
- Type: ''
  Description: ''
  Region: ''
  ARN: ''
DataAtWork:
  Publications:
    AuthorName: NOAA - NESDIS - NCEI
    Title: NOAA JPSS Visible Infrared Imaging Radiometer Suite (VIIRS) Snow Cover
    Environmental Data Record (EDR) from NDE
    URL: https://www.ncei.noaa.gov/
```

View schema in YAML preview [here](#)

Assess

Contents of record may be assessed against various rubrics

- On Metadata Records List panel, locate record to be assessed and select ‘Assess’ drop-down from its row



Component Analysis

Shows information based on ISO XML tag

- New tab opens
- Click link in top right corner to go to its data

Metadata Identifier: gov.noaa.ncdc:C01532

[About](#) | [Info](#) | [Brands](#) | [Citations](#) | [Constraints](#) | [Creators](#) | [Descriptions](#) | [Dimensions](#) | [Extents](#) | [Formats](#) | [Geographic](#) | [Boundaries](#) | [Risk](#)
[Geoscientific](#) | [Information](#) | [Georeferenceable](#) | [Information](#) | [Identifiers](#) | [Instruments](#) | [Media](#) | [Online](#) | [Resources](#) | [Operations](#)
[Platforms](#) | [Process](#) | [Steps](#) | [Range](#) | [Elements](#) | [Reference](#) | [Systems](#) | [Responsible](#) | [Parties](#) | [Series](#) | [Sources](#) | [Spatial](#) | [Grids](#) | [Temporal](#) | [Extents](#)

MD_DataIdentification

Count	Component	Title	Abstract
1		NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data	The Solar Ultraviolet Imager is a telescope that monitors the Sun in the extreme ultraviolet wavelength range. SUVI observes and characterizes complex active regions of the Sun, solar flares, and the eruptions of solar filaments which may give rise to coronal mass ejections. Depending on the size and the trajectory of solar eruptions, the possible effects to near-Earth space and Earth's magnetosphere, referred to as space weather, can cause geomagnetic storms which disrupt power utilities, communication and navigation systems, and may cause radiation damage to orbiting satellites and the International Space Station. SUVI observations of solar flares and solar eruptions provide an early warning of possible impacts to Earth's space environment and enable better forecasting of potentially disruptive events on the ground.

[Top](#)

SV_Identification

none found

[Top](#)

CI_Citation

Count	Component	Title	Date	Citation Identifier
1		GOES-R Calibration Working Group		
1		Global Change Master Directory (GCMD) Data Center Keywords	2018	
1		Global Change Master Directory (GCMD) Instrument Keywords	2018	
1		Global Change Master Directory (GCMD) Platform Keywords	2018	
1		Global Change Master Directory (GCMD) Project Keywords	2018	
1		Global Change Master Directory (GCMD) Science Keywords	2018	
1		NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data	2015-01-01	gov.noaa.class:SUVINCAL gov.noaa.ncdc:C01532

[Top](#)

CSW Rubric

Identifies ISO metadata elements that support the Open Geospatial Consortium Catalog Services for the Web (CSW) Specification

- New tab opens

ISO 19115 Catalog Services for the Web Report

This report identifies ISO metadata elements that support the Open Geospatial Consortium Catalog Services for the Web (CSW) Specification. The elements are listed in three groups: Core Queryables, Core Returnables, and Additional Queryables. The Rubric at the top of the report summarizes the results. Each spiral is represented by a row in the rubric. The columns show the % of the elements in that spiral that exist in the record. Click the spiral name for more details. This report is produced using this [stylesheet](#). Please contact [Ted Habermann](#) if you have questions or suggestions.

Title: NOAA GOES-R Series Extreme Ultraviolet and X-ray Irradiance Sensors (EXIS) Instrument Calibration Data

Total Spiral Score: 29/36

Spiral	None	1-33%	34-66%	67-99%	All
Core Queryables					
Core Returnables					
Additional Queryables					

Core Queryables Score: 10/12

The Open Geospatial Consortium Catalog Services for the Web (CSW) standard defines 12 "Core Queryables" that must be supported in any compliant implementation. Profiles of CSW map these queryables to concepts and xPaths for particular metadata dialects.

Score	Attribute (Count)	Description	Path
1	Subject	Keywords, usually from a shared vocabulary, that describe the topic or theme of the resource. More...	*/gmd:identificationInfo/*/gmd:descriptiveKeywords/gmd:MD_Keywords[gmd:type='theme']/gmd:keyword/gco:CharacterString
1	Subject Thesaurus	A citation to the source for the subject (theme) keywords. This field is not included in the CSW Specification but it is important when keywords from a shared vocabulary are used.	*/gmd:identificationInfo/*/gmd:descriptiveKeywords/gmd:MD_Keywords[gmd:type='theme']/gmd:thesaurusName/gmd:CI_Citation/gmd:title/gco:CharacterString
1	Title	A short description of the resource. The title should be descriptive enough so that when a user is presented with a list of titles the general content of the data set can be determined. More...	*/gmd:identificationInfo/*/gmd:citation/gmd:CI_Citation/gmd:title/gco:CharacterString
1	Abstract	A summary of the content of the resource.	*/gmd:identificationInfo/*/gmd:abstract/gco:CharacterString
1	AnyText	A target for full-text search of character data types in a catalogue.	Many text paths

DOI Rubric

- Mandatory for DOI Minting
 - This evaluation tests for the existence of a creator, title, publication date, and publisher in the metadata record and provides a preview of the content
- Mandatory for Citation
 - This evaluation tests for the existence of a creator, title, publication date, publisher and DOI in the metadata record and provides a preview of the content
- Mandatory for Landing Page
 - This evaluation tests for the existence of all the fields required to provide a useful and meaningful DOI landing page
- Recommended for Landing Page
 - This evaluation tests for the existence of all the fields recommended to provide an even more useful and meaningful landing page
- New tab opens

Rubric Assessments for Digital Object Identifier Readiness													
<p>Mandatory for DOI Minting</p> <p>This evaluation tests for the existence of a creator, title, publication date and publisher in the metadata record and provides a preview of the content. If these values already exist in the metadata then we can automatically mint a DOI from the metadata content. The content used to mint a DOI should be the same as the content in the metadata record.</p>													
<p>Mandatory for Citation</p> <p>This evaluation tests for the existence of a creator, title, publication date, publisher and DOI in the metadata record and provides a preview of the content. If these values exist in the metadata then we can automatically generate a recommended citation from the metadata content.</p> <p>Creator. (publicationYear). Title. Publisher. DOI.</p>													
<p>Mandatory for Landing Page</p> <p>This evaluation tests for the existence of all the fields required to provide a useful and meaningful DOI landing page.</p>													
<p>Recommended for Landing Page</p> <p>This evaluation tests for the existence of all the fields recommended to provide an even more useful and meaningful landing page.</p>													
	<table border="1"> <thead> <tr> <th>Assessment Results</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>Green</td> <td>Content exists in metadata record</td> </tr> <tr> <td>Yellow</td> <td>Content missing from metadata record</td> </tr> <tr> <td>Red</td> <td>Not used for assessment</td> </tr> </tbody> </table>	Assessment Results	Explanation	Green	Content exists in metadata record	Yellow	Content missing from metadata record	Red	Not used for assessment				
Assessment Results	Explanation												
Green	Content exists in metadata record												
Yellow	Content missing from metadata record												
Red	Not used for assessment												
Results Fields	4 out of 4 Mandatory for DOI Minting	4 out of 5 Mandatory for Citation	18 out of 19 Mandatory for Landing Page	7 out of 10 Recommended for Landing Page	ISO Metadata Content and Location	Xpath							
Basic Citation Fields	Creator(s) Note	Green	Green	Green	-- GOES-R Algorithm Working Group - principalInvestigator -- GOES-R Algorithm Working Group - author -- GOES-R Series Program - originator -- GOES-R Series Program - author	(/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:cite/RESPONSIBLEPARTY/gmd:CI_Responsibility/gmd:role/gmd:CI_RoleCode[text()='originator' or text()='principalInvestigator' or text()='author' or text()='collaborator' or text()='resourceProvider']) and (/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:cite/RESPONSIBLEPARTY/gmd:CI_Responsibility/gmd:organisationName *text()=*)							
	Publication Year Note	Green	Green	Green	2015	(/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:date/gmd:CI_Date/gmd:dateType/gmd:CI_DateTypeCode[text()='creator' or text()='publication']) and (/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:date/gmd:CI_Date/gmd:date(text)='')							
	Title Note	Green	Green	Green	NOAA GOES-R Series Extreme Ultraviolet and X-ray Irradiance Sensors (EXIS) Instrument Calibration Data	* /gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:title*							
	Publisher(s) Note	Green	Green	Green	-- NOAA NESDIS/NOCI - National Centers for Environmental Information, NESDIS, NOAA, U.S. Department of Commerce - publisher	(/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:cite/RESPONSIBLEPARTY/gmd:CI_Responsibility/gmd:role/gmd:CI_RoleCode[text()='publisher']) and (/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/gmd:code/gmx:Anchor[@xlink:href[contains('','doi')]])							
	DOI Note	Green	Green	Green		/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/gmd:code/gmx:Anchor[@xlink:href[contains('','doi')]])							
	Legal Constraints Code/Other	Green	Green	Green	otherRestrictions otherRestrictions	/gmd:resourceConstraints/gmd:MD_LegalConstraints/gmd:useConstraints/gmd:MD_RestrictionCode[@codeListValue='otherRestrictions']							
	Dataset Citation	Green	Green	Green	Cite this dataset when used as a source.	(/gmd:resourceConstraints/gmd:MD_LegalConstraints/gmd:otherConstraints[contains('','crl')]) or (/gmd:resourceConstraints/gmd:MD_LegalConstraints/gmd:otherConstraints[contains('','crl')])							
	Abstract	Green	Green	Green	The Extreme Ultraviolet and X-ray Irradiance Sensors detect solar soft X-ray irradiance and solar extreme ultraviolet spectral irradiance in the 5-127 nm range. The XRAY Sensor (XRS) monitors solar flares that can disrupt communications and degrade n...	/gmd:MD_DataIdentification/gmd:abstract(text)=''							
	Theme Keywords	Green	Green	Green	* Earth Science > Spectral Engineering > Infrared Wavelengths > Sensor Counts	/gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordsTypeCode[@codeListValue='theme'] and (/gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:keywords(text)='')							
	Descriptive Information	Place Keywords	Green	Green	Green		/gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordsTypeCode[@codeListValue='place'] and (/gmd:MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:keywords(text)='')						
Status		Green	Green	Green	ongoing	/gmd:MD_DataIdentification/gmd:status/gmd:MD_ProgressCode[@codeListValue='ongoing']							
Maintenance Frequency		Green	Green	Green	continual	/gmd:resourceMaintenance/gmd:MD_MaintenanceInformation/gmd:maintenanceAndUpdateFrequency/gmd:MD_MaintenanceFrequencyCode[@codeListValue='continual']							
Maintenance Notes		Green	Green	Green		/gmd:resourceMaintenance/gmd:MD_MaintenanceInformation/gmd:maintenanceNote(text)=''							

ISO Rubric V2

Tool to confirm if a record adheres to NOAA metadata best practices
 Displays ‘Completeness Score’, as well as scores for each category

- New tab opens

Completeness Rubric for: NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data

Completeness Score: 81% + 17

Resource Hierarchy Level: 'dataset' — Status: 'inGoing'

CATEGORY	SCORE + EXTRA CREDIT	RUBRIC REQUIREMENTS
Identification	100% + 3	Required
Access	100% + 0	Conditional - not required when Resource Hierarchy Level = 'fileSession' or Status = 'planned'
Coverage	100% + 1	Required
Content	0% + 0	Conditional - not required when Resource Hierarchy Level = 'fileSession'
History	75% + 5	Required
Quality	0% + 0	Conditional - not required when Resource Hierarchy Level = 'fileSession'
Connections	100% + 0	Required
Metadata	100% + 1	Required
Associated Resource	+ 2	Highly Recommended
Attribution	+ 4	Highly Recommended

About Completeness Rubric
 More Information
 Contact

Identification | Access | Coverage | Content | History | Quality | Connection | Metadata | Resources | Attribution

The Identification Category provides content needed for basic discovery of the resource. It includes the title, an abstract, theme keywords, point of contact, status and Resource Hierarchy Level.


Category: 9/9 + 3

LABEL (COUNT)	RULE	SCORE	METADATA CONTENT	GUIDANCE: XPATH AND ISO EXPLORER LINKS
Resource Hierarchy Level (1)	Required	1	dataset	/gmd/MD_Metadata/gmd:hierarchyLevel/gmd:MD_ScopeCode@code.listValue
Resource Title (1)	Required	1	NOAA GOES-R Series Solar Ultraviolet Imager (SUVI) Instrument Calibration Data	/gmd/MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:title
Resource ID (2)	Recommended	EC	gov.noaa.class.SUVI.NCAL gov.noaa.nodc.C01532	/gmd/MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/gmd:code
Abstract (1)	Required	1	The Solar Ultraviolet Imager is a telescope that monitors the Sun in the extreme ultraviolet wavelength range. SUVI observes and characterizes complex active regions of the Sun, solar flares, and the eruptions of solar filaments which may give rise to (i.e.)	/gmd/MD_DataIdentification/gmd:abstract
Purpose (1)	Required	1	These instrument calibration data can be used to evaluate, monitor, and trend sensor performance.	/gmd/MD_DataIdentification/gmd:purpose
Resource Date (1)	Required	1	2015-01-01 - publication	/gmd/MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:date/gmd:CI_Date/gmd:date[@gco:nilReason]
Status (1)	Required	1	onGoing	/gmd/MD_DataIdentification/gmd:status/gmd:MD_ProgressCode@code.listValue
Browse Graphic (1)	Recommended	EC	https://www1.nodc.noaa.gov/pub/data/metadata/images/SEIS-INST-CAL-ENV.jpg	/gmd/MD_DataIdentification/gmd:graphicOverview/gmd:BrowseGraphic/gmd:fileName
Topic Category (1)	Required	1	climatology/Meteorology/Atmosphere	/gmd/MD_DataIdentification/gmd:topicCategory/gmd:MD_TopicCategoryCode
Theme Keywords (2)	Required	1	Earth Science > Spectral/Engineering > Infrared Wavelengths > Sensor Counts Earth Science > Spectral/Engineering > Visible Wavelengths > Sensor Counts	/gmd/MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode@code.listValue+theme/gmd:keyword
Theme Keyword Thesaurus (1)	Recommended	EC	Global Change Master Directory (GCMD) Science Keywords	/gmd/MD_DataIdentification/gmd:descriptiveKeywords/gmd:MD_Keywords/gmd:type/gmd:MD_KeywordTypeCode@code.listValue+theme/gmd:thesaurusName/gmd:CI_Citation/gmd:title
Resource Contact (1)	Required	1	DOC/NOAA/NEEDS/NCEI > National Centers for Environmental Information, NEEDS, NOAA, U.S. Department of Commerce - Customer Engagement Branch - govNOCEContact	/gmd/MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:responsibleParty/gmd:CI_Responsibility/gmd:role/gmd:CI_RoleCode@code.listValue+pointOfContact/gmd:MD_DataIdentification/gmd:govNOCEContact

OneStop Readiness

User Guide for Data Managers: [OneStop Data and Metadata Improvement Tier Guidance v2.1](#)

- If ‘Rubric V2’ has not already been run for record, message appears ‘You need to run the rubric assessment for this record, please do that and refresh this page.’
 - Click ‘Run Rubric V2’ button in message

 You need to run the rubric assessment for this record, please do that and refresh this page. Run Rubric V2

- Record's Completeness Score page displays

Completeness Rubric for: NOAA Himawari 8 Advanced Himawari Imager (AHI) Level 2 Cloud Top Height from STAR

Completeness Score: 100% + 26.8

Resource Hierarchy Level: 'series' — Status: 'onGoing'

CATEGORY	SCORE + EXTRA CREDIT	RUBRIC REQUIREMENTS
Identification	100% + 3	Required
Access	100% + 1	Conditional - not required when Resource Hierarchy Level = 'fieldSession' or Status = 'planned'
Coverage	100% + 4	Required
Content	100% + 4	Conditional - not required when Resource Hierarchy Level = 'fieldSession'
History	100% + 5	Required
Quality	100% + 1	Conditional - not required when Resource Hierarchy Level = 'fieldSession'
Connections	100% + 8	Required
Metadata	100% + 1	Required
Associated Resource	+ 3	Highly Recommended
Attribution	+ 4	Highly Recommended

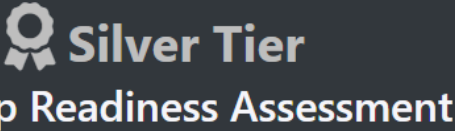
About Completeness Rubric
More Information
Contact

Identification | Access | Coverage | Content | History | Quality | Connection | Metadata | Resources | Attribution

Identification Category: The Identification Category provides content needed for basic discovery of the resource. It includes the title, an abstract, theme keywords, point of contact, status and Resource Hierarchy Level.
9/9 +3

LABEL (COUNT)	RULE	SCORE	METADATA CONTENT	GUIDANCE: XPATH AND ISO EXPLORER LINKS
Resource Hierarchy Level (1)	Required	1	series	/gmi:MI_Metadata/gmd:hierarchyLevel/gmd:MD_ScopeCode/@codeListValue
Resource Title (1)	Required	1	NOAA Himawari 8 Advanced Himawari Imager (AHI) Level 2 Cloud Top Height from STAR	/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:title
Resource ID (1)	Recommended	EG		/gmd:MD_DataIdentification/gmd:citation/gmd:CI_Citation/gmd:identifier/gmd:MD_Identifier/gmd:code
Abstract (1)	Required	1	This dataset contains a high quality level 2 cloud top height product from the Advanced Himawari Imager (AHI) instrument onboard the Himawari-8 satellite that is operated by the Japanese Meteorological Agency (JMA) and is produced operationally by th (. etc)	/gmd:MD_DataIdentification/gmd:abstract
Purpose (1)	Required	1	CTH is critical in determining the impact of clouds on the Earth's radiation budget. The dataset is also helpful in aviation for supplementing upper-level cloud information to the ground-based Automated Surface Observing System (ASOS), and military (. etc)	/gmd:MD_DataIdentification/gmd:purpose

- Close Completeness Score tab and on Metadata Records List panel, locate same record and select 'Assess' drop-down from its row
 - Select 'OneStop Readiness' to view assessment



Himawari 8 L2 Cloud Height from AHI

Rubric Score: 100%

- ✔ Rubric Score is above 90%
- ✔ URL to a browse graphic thumbnail ([view image](#))
- ✔ Cannot reference another collection in the gmd:parentIdentifier field
- ✔ GCMD Science Keywords
- ✔ GCMD Organisation Keywords
- ✔ GCMD Place Keywords
- ✔ GCMD Keyword thesaurus titles following NOAA's best practice

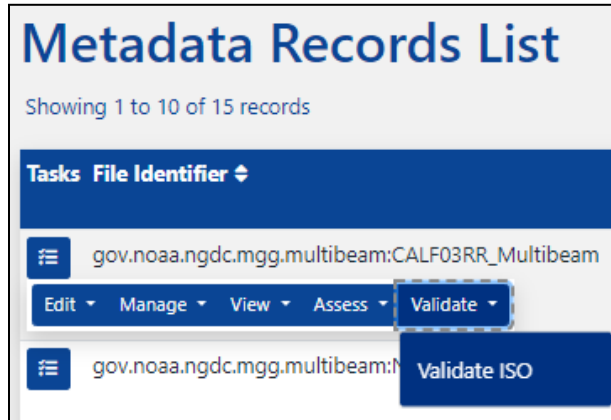
OneStop Readiness Assessment assumes this collection has associated granules that conform to ISO Lite guidance. Currently, granule association is being ignored when tier compliance checks are performed.

Validate

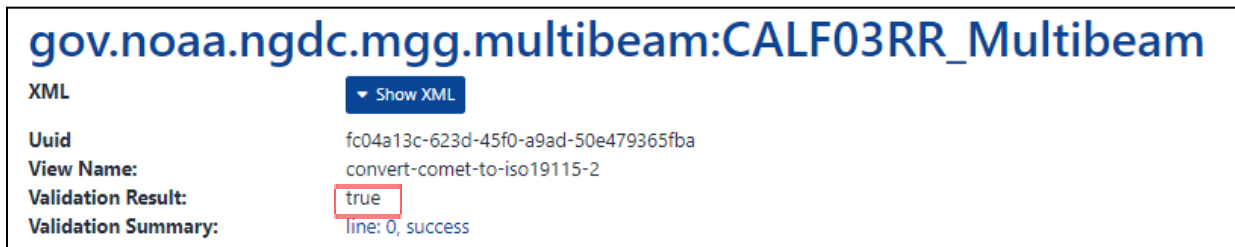
Validate ISO

A metadata record can be validated using XML Schema Definition (XSD)

- On Metadata Records List panel, locate record to be validated and select ‘Validate’ drop-down
 - Select ‘Validate ISO’



- When validation run finishes, ‘Validate ISO’ page opens in new tab
 - If record is compliant with ISO XSD schema (no issue is found) ‘Validation Result:’ field displays ‘true’



- If record is not compliant with ISO, error messages are shown with line numbers
 - Error message lines are links



- At 'XML', click 'Show XML' to view all XML code
- At 'Validation Summary', click line link to view XML code for error
 - XML code appears above text
- User must refer to ISO Editor form to correct listed errors

Validate: JPSS ATMS SDR for ref ALD

JPSS ATMS SDR for ref ALD

XML [Show XML](#)

```

    <gmd:CI_OnlineFunctionCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#C
  </gmd:function>
  </gmd:CI_OnlineResource>
</gmd:onlineResource>
3425. </gmd:CI_Contact>
      </gmd:contactInfo>
      <gmd:role gco:nilReason="missing" />
      </gmd:CI_ResponsibleParty>
      </gmd:citedResponsibleParty>
3430. </gmd:CI_Citation>
      </gmd:sourceCitation>
      <gmd:sourceExtent>
      <gmd:EX_Extent>
      <gmd:geographicElement>
3435. <gmd:EX_GeographicBoundingBox id="boundingGeographicBoundingBox">
      <gmd:extentTypeCode>
      <gco:Boolean>1</gco:Boolean>
      </gmd:extentTypeCode>
      <gmd:westBoundLongitude>
3440. <gco:Decimal>-180</gco:Decimal>
      </gmd:westBoundLongitude>
      <gmd:eastBoundLongitude>
      <gco:Decimal>180</gco:Decimal>
      </gmd:eastBoundLongitude>
3445. <gmd:southBoundLatitude>
      <gco:Decimal>-90</gco:Decimal>
      </gmd:southBoundLatitude>
      <gmd:northBoundLatitude>

```

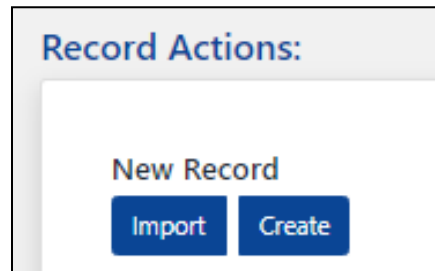
Uuid: 8bf93f83-4de0-493e-ae4d-d9730fe06730
View Name: convert-comet-to-iso19115-2
Validation Result: false
Validation Summary:

- line: 3435, cvc-id.2: There are multiple occurrences of ID value 'boundingGeographicBoundingBox'.
- line: 3435, cvc-attribute.3: The value 'boundingGeographicBoundingBox' of attribute 'id' on element 'gmd:EX_GeographicBoundingBox' is not valid with respect to its type, 'ID'.
- line: 3539, cvc-id.2: There are multiple occurrences of ID value 'boundingGeographicBoundingBox'.
- line: 3539, cvc-attribute.3: The value 'boundingGeographicBoundingBox' of attribute 'id' on element 'gmd:EX_GeographicBoundingBox' is not valid with respect to its type, 'ID'.

Data Stewardship Maturity Questionnaire (DSMQ)

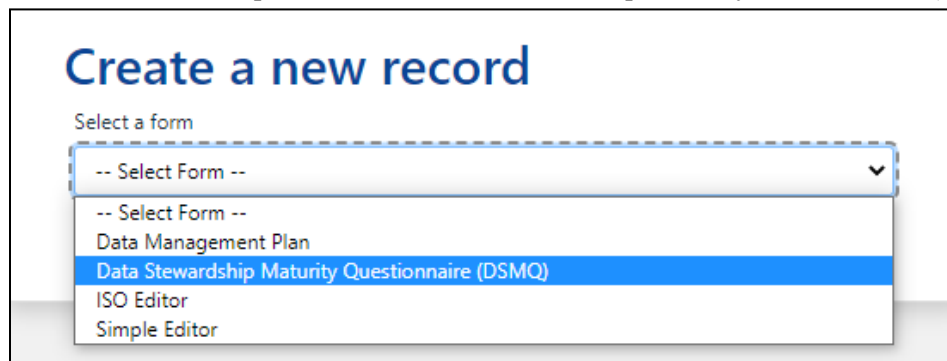
New Record

New DSMQ records are created one at a time using 'Create' button

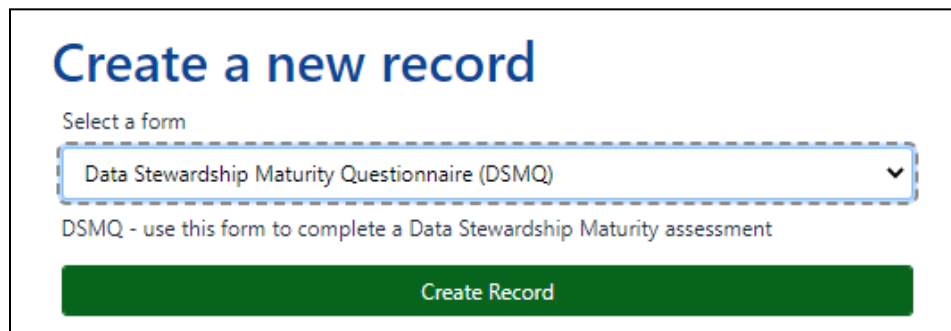


Create

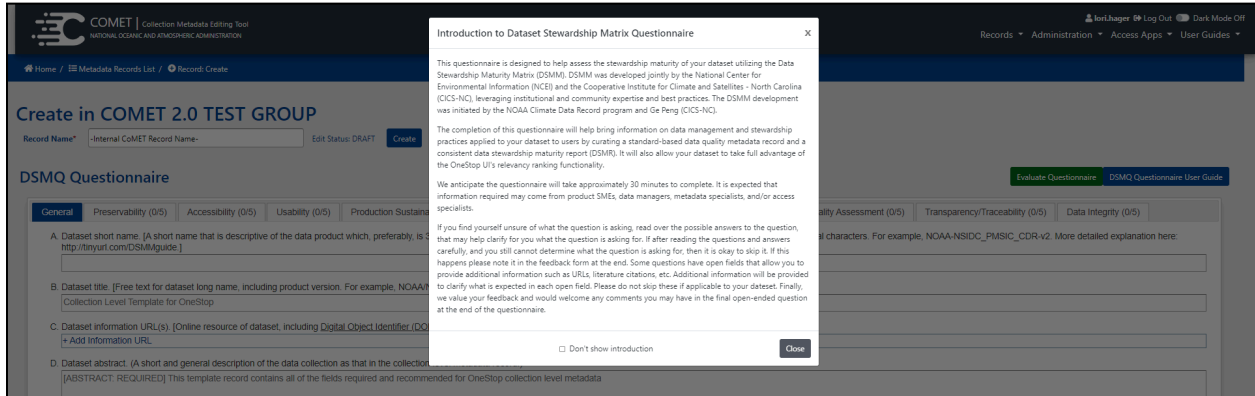
- In Record Actions panel, click 'Create'
- From 'Select a Form' dropdown, select 'Data Stewardship Maturity Questionnaire (DSMQ)'



- Click 'Create Record'



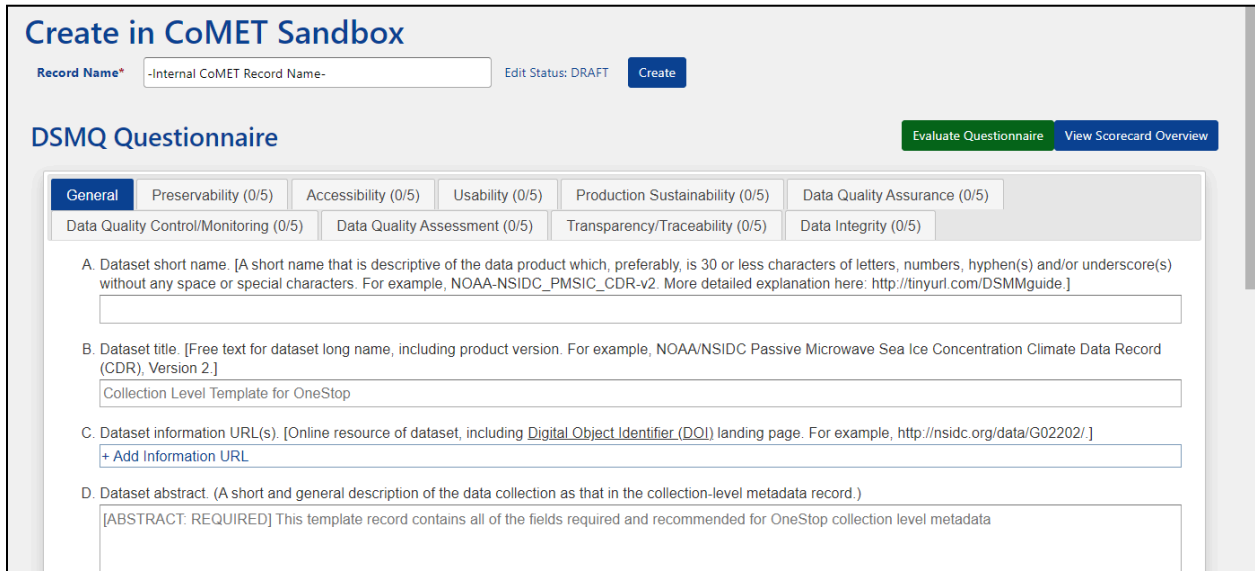
- Message box with ‘Introduction to Data Stewardship Matrix Questionnaire’ appears
 - To not have message box appear again, check ‘Don’t show introduction’ at bottom of box
- Close



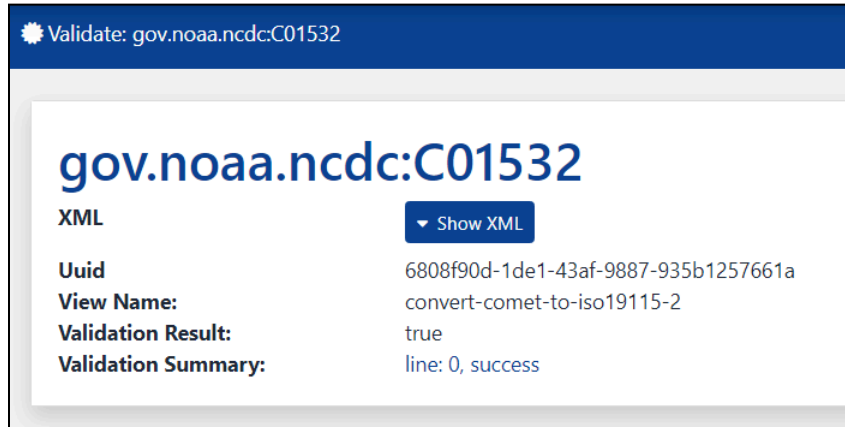
- CoMET/DSMQ defaults to General tab

Note: User may select blue ‘Create’ button at top center of page or bottom center of page at any point after entering a ‘Record Name’

- All fields in all tabs must be completed



- At C., click ‘Add Information URL’
 - Enter URL in field
 - Click red trash can to delete URL



Validate: gov.noaa.ncdc:C01532

gov.noaa.ncdc:C01532

XML Show XML

Uuid 6808f90d-1de1-43af-9887-935b1257661a

View Name: convert-comet-to-iso19115-2

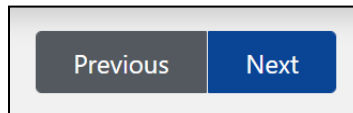
Validation Result: true

Validation Summary: line: 0, success

C. Dataset information URL(s). [Online resource of dataset, including [Digital Object Identifier \(DOI\)](#) landing page. For example, <http://nsidc.org/data/G02202/>]

+ Add Information URL 🗑️

- Click ‘Next’ at bottom of page to move to next tab



- OR go back to top of page and select desired tab

General	Preservability (0/5)	Accessibility (0/5)	Usability (0/5)	Production Sustainability (0/5)	Data Quality Assurance (0/5)
Data Quality Control/Monitoring (0/5)	Data Quality Assessment (0/5)	Transparency/Traceability (0/5)	Data Integrity (0/5)		

- Tooltips with additional information will appear when user hovers cursor over underlined text

C. Dataset information URL(s). [Online resource of dataset, including [Digital Object Identifier \(DOI\)](#) landing page. For example, <http://nsidc.org/data/G02202/>]

+ Add Information URL 🗑️

Persistent unique identifier assigned by an external organization and standardized by the International Organization for Standardization (ISO).

- Some responses open additional questions, e.g. at 4.1, selecting response ‘c’ opens question 4.1c

Product Sustainability: The state of data production being sustainable and extensible.

4.1 What best describes the level of commitment for continuously maintaining the dataset online and extending the dataset?

- a) The production of the dataset is Ad Hoc. (A dataset existed or maintained as a result of someones research interest.)
- b) The sustainability of the dataset is tied to the obligations of a grant.
- c) The production of the dataset is sustained by institution or international support. [e.g., OISST vs national or international support (e.g., USCRN, GHRSSST, etc.)]

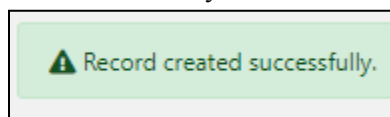
4.1c What institution or international support sustains the production of the dataset? Please provide a URL. [e.g., Optimum Interpolation Sea Surface Temperature (OISST) vs national or international support [e.g., U.S. Climate Reference Networks (USCRN), Group for High Resolution Sea Surface Temperature (GHRSSST), etc.]]

- To save initial data, click ‘Create’ at top of page

- Or click ‘Create’ at bottom of page

- User may go back later to edit record
- If data is missing from ‘Dataset Short Name’, ‘Dataset Title’ or ‘Dataset Abstract’ fields, fields will briefly highlight as pink

- Message appears ‘Record created successfully’



- Metadata Records List page reloads
 - New record at top of Metadata Records List

Metadata Records List					
Tasks	File Identifier	Description	Edit State	Last Editor	Updated
		Record Name: LHager_Test_04 Tags:	DRAFT	lori.hager	2023-01-20 15:31:27 EST

Edit

- On Metadata Records List panel, locate record to be edited and select ‘Edit’ drop-down from its row
 - Select ‘Data Stewardship Maturity Questionnaire (DSMQ)’



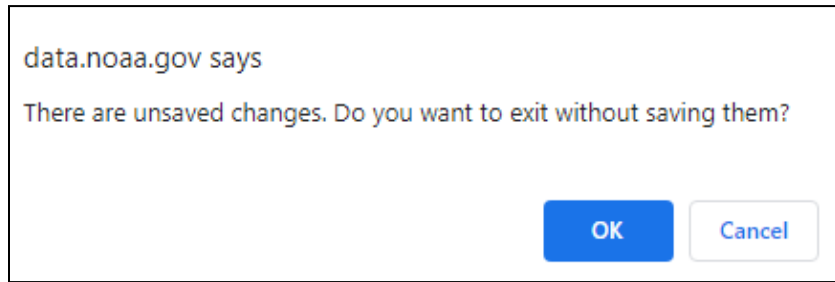
- Record opens in new tab
- Edit Metadata as desired
- Click ‘Save’ at top right of page or bottom of page



- Message appears ‘Record updated’
- Editing Record Page Reloads



- If 'Exit' was selected and no changes made to record, page reloads to Metadata Records List
- If changes were made, message box appears



- To exit without saving changes, click OK
- To save changes, click Cancel, then Save

Evaluate Questionnaire

- User may utilize 'Evaluate Questionnaire' functionality at any point in Editing process to receive a maturity score for each section of questionnaire
 - Click 'Evaluate Questionnaire'



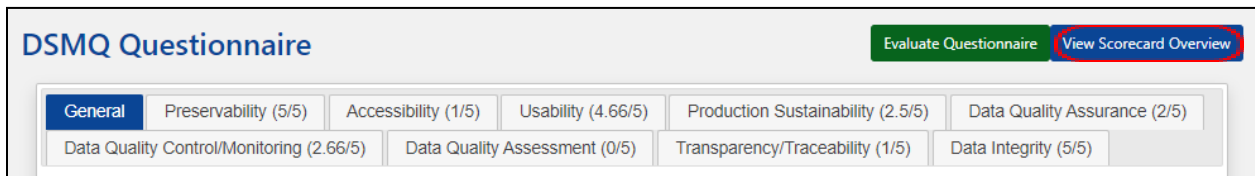
- Each tab displays its Evaluation score
 - All questions in a tab must be answered to produce a score



- If record originally created in ISO Editor - Record Name, Dataset Title, and Dataset Abstract are automatically entered in DSMQ record

View Scorecard Overview

- To aid in interpreting the results of assessment, click 'View Scorecard Review'



- Data Stewardship Maturity Matrix scoreboard opens

Overview of Data Stewardship Maturity Matrix with Key Components, Maturity Scale, and Acceptance Criteria. This scoreboard is useful for interpreting the results of your assessment

Document ID: NCDC-CICS-SMM_0001
Version: Rev. 1. 12/09/2014

Dataset Name

Maturity Level as of mm/dd/yyyy

Stewardship Maturity Matrix for Digital Environmental Data Products

Maturity Scale	Preservability	Accessibility	Usability	Production Sustainability	Data Quality Assurance	Data Quality Control/Monitoring	Data Quality Assessment	Transparency /Traceability	Data Integrity
Level 1 – Ad Hoc Not Managed	Any storage location Data only	Not publicly available Person-to-person	Extensive product-specific knowledge required No documentation online	Ad Hoc or Not applicable No obligation or deliverable requirement	Data quality assurance (DQA) procedure unknown or none	None or Sampling unknown or spotty Analysis unknown or random in time	Algorithm/method/model theoretical basis assessed (method and results online)	Limited product information available Person-to-person	Unknown or no data ingest integrity check
Level 2 - Minimal Managed Limited	Non-designated repository Redundancy Limited archiving metadata	Publicly available Direct file download (e.g., via anonymous FTP server) Collection/dataset level searchable	Non-standard data format Limited documentation (e.g., user's guide) online	Short-term Individual PI's commitment (grant obligations)	Ad Hoc and random DQA procedure not defined and documented	Sampling and analysis are regular in time and space Limited product-specific metrics defined & implemented	Level 1 + Research product assessed (method and results online)	Product information available in literature	Data ingest integrity verifiable (e.g., checksum technology)
Level 3 - Intermediate Managed Defined, Partially Implemented	Designated archive Redundancy Community-standard archiving metadata Conforming to limited archiving process standards	Level 2 + Non-standard data service Limited data server performance Granule/file level searchable Limited search metrics	Community Standard-based interoperable format & metadata Documentation (e.g., source code, product algorithm document, processing or/and data flow diagram) online	Medium-term Institutional commitment (contractual deliverables with specs and schedule defined)	DQA procedure defined and documented and partially implemented	Level 2 + Sampling and analysis are frequent and systematic but not automatic Community metrics defined and partially implemented Procedure documented and available online	Level 2 + Operational product assessed (method and results online)	Algorithm/method/model Theoretical Basis Document (ATBD) & source code online Dataset configuration managed (CM) Unique Object Identifier (OID) assigned (dataset, documentation, source code) Data citation tracked (e.g., utilizing Digital Object Identifier (DOI) system)	Level 2 + Data archive integrity verifiable
Level 4 - Advanced Managed Well-Defined, Fully Implemented	Level 3 + Conforming to community archiving standards	Level 3 + Community-standard data services Enhanced data server performance Conforming to community search metrics Dissemination report metrics defined and implemented internally	Level 3 + Basic capability (e.g., subsetting, aggregating) & data characterization (overall/global, e.g., climatology, error estimates) available online	Long-term Institutional commitment Product improvement process in place	DQA procedure well documented, fully implemented and available online with master reference data Limited data quality assurance metadata	Level 3 + Anomaly detection procedure well-documented and fully implemented using community metrics, automatic, tracked and reported Limited quality monitoring metadata	Level 3 + Quality metadata assessed (method and results online) Limited quality assessment metadata	Level 3 + Operational Algorithm Description (OAD) online, OID assigned, and under CM	Level 3 + Data access integrity verifiable Conforming to community data integrity technology standard
Level 5 - Optimal Level 4 + Measured, Controlled, Audit	Level 4 + Archiving process performance controlled, measured, and audited Future archiving standard changes planned	Level 4 + Dissemination reports available online Future technology and standard changes planned	Level 4 + Enhanced online capability (e.g., visualization, multiple data formats) Community metrics of data characterization (regional/cell) online External ranking	Level 4 + National or international commitment Changes for technology planned	Level 4 + DQA procedure monitored and reported Conforming to community quality metadata & standards External review	Level 4 + Cross-validation of temporal & spatial characteristics Physical consistency check Conforming to community quality metadata & standards Dynamic providers/users feedback in place	Level 4 + Assessment performed on a recurring basis Conforming to community quality metadata & standards External ranking	Level 4 + System information online Complete data provenance available online	Level 4 + Data authenticity verifiable (e.g., data signature technology) Performance of data integrity check monitored and reported

- Tab headings are in dark blue row across top of scoreboard
- Levels of completeness are in green column on left
- Table is an interpretation of level of each section

Metadata Record Groups

- From Home page, select 'Metadata Record Groups'

The screenshot shows the CoMET Collection Metadata Editing Tool interface. At the top, the header includes the CoMET logo, the text 'COMET | Collection Metadata Editing Tool NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION', and user information for 'lori.hager' with 'Log Out' and 'Dark Mode Off' options. Navigation links for 'Records', 'Access Apps', and 'User Guides' are also present. A 'Home' button is located in the top left of the main content area. The main content area features a large banner with a space-themed background and the text 'CoMET Collection Metadata Editing Tool'. Below the banner, the 'Records' section is titled 'Records' and includes the instruction 'Search for records or choose from a list.' A search bar is provided, and below it, a list of options is shown: 'Access Metadata Records' and 'Metadata Record Groups'. The 'Metadata Record Groups' option is highlighted with a red rectangular box. The footer contains version information 'Version 1.12.0', a support email 'ncei.collection-manager.support@noaa.gov', and various policy links: 'Privacy Policy', 'Freedom of Information Act', 'Information Quality', 'Disclaimer', 'Take Our Survey', 'Department of Commerce', 'NOAA', and 'NESDIS'.

Users May Have Different Roles For Different Record Groups

- For example, in ‘Record Group List’, below ‘Members’ heading see username lori.hager
 - In ‘Demo’ and ‘NOAA/NESDIS/ncei/oer’, user lori.hager has ‘[Metadata Editor](#)’ role
 - User can create, edit, and delete records, among other actions, for this record group
 - User cannot perform actions exclusive to Publishers or Group Managers
 - In ‘NOAA/NESDIS/ncei/gulf_atlas’, user lori.hager has ‘[Metadata Publisher](#)’ role
 - User can publish records, among other actions, for this record group
 - User cannot perform actions exclusive to Group Managers
 - In ‘templates/’, user lori.hager has ‘[Group Manager](#)’ role
 - User may create record groups, add or remove group members, among other actions, for this record group

COMET | Collection Metadata Editing Tool
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Home / Metadata Record Group List

Search groups Search Create Record Group

Record Group List

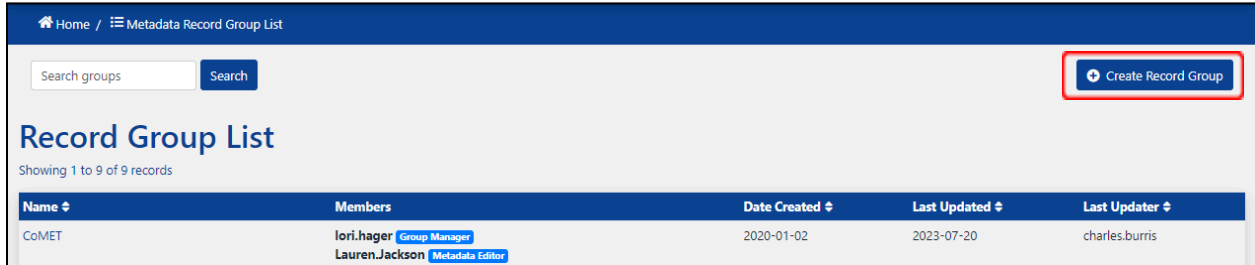
Showing 1 to 9 of 9 records

Name	Members	Date Created	Last Updated	Last Updater
Demo	kathy.martinolich Group Manager lori.hager Metadata Editor cedit.group Group Manager	2014-07-01	2023-08-17	jerri.reeves
NOAA/NESDIS/ncei/oer/	jason.v.weick Metadata Publisher kathy.martinolich Group Manager lori.hager Metadata Editor	2020-01-02	2023-08-17	charles.burris
NOAA/NESDIS/ncei/gulf_atlas/	jason.v.weick Metadata Publisher lori.hager Metadata Publisher kathy.martinolich Group Manager	2023-08-02	2023-08-17	charles.burris
templates/	lori.hager Group Manager charles.anderson Metadata Publisher philip.jones Group Manager Sarah.Oconnor Group Manager	2020-01-02	2023-07-20	charles.burris

Create a Record Group

Note: Any user role may create a record group
User will be Group Manager for record group created

- Click 'Create Record Group'



Home / Metadata Record Group List

Search groups


Create Record Group

Record Group List

Showing 1 to 9 of 9 records

Name	Members	Date Created	Last Updated	Last Updater
CoMET	lori.hager <small>Group Manager</small> Lauren.Jackson <small>Metadata Editor</small>	2020-01-02	2023-07-20	charles.burris

- Enter Record Group name in 'Name' field
- 'Description' field is optional
- Click 'Create'



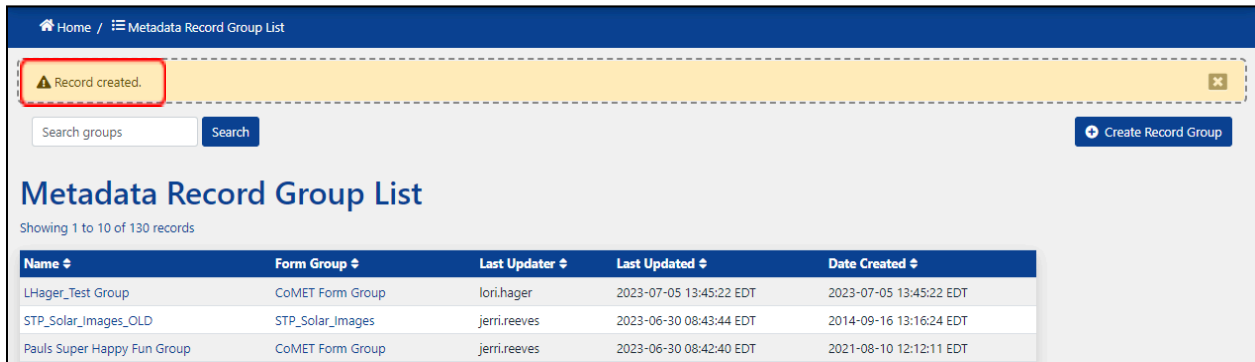
Create Record Group

Name (required)

Description

Create

- Get message 'Record created'



Home / Metadata Record Group List

Record created.

Search groups

Create Record Group

Metadata Record Group List

Showing 1 to 10 of 130 records

Name	Form Group	Last Updater	Last Updated	Date Created
LHager_Test Group	CoMET Form Group	lori.hager	2023-07-05 13:45:22 EDT	2023-07-05 13:45:22 EDT
STP_Solar_Images_OLD	STP_Solar_Images	jerri.reeves	2023-06-30 08:43:44 EDT	2014-09-16 13:16:24 EDT
Pauls Super Happy Fun Group	CoMET Form Group	jerri.reeves	2023-06-30 08:42:40 EDT	2021-08-10 12:12:11 EDT

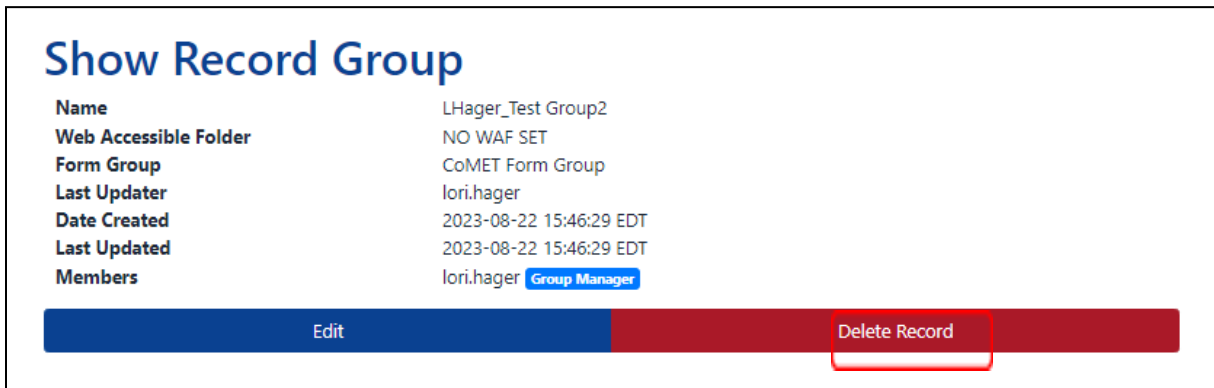
Delete a Record Group

Note: Action available only to Group Manager user role

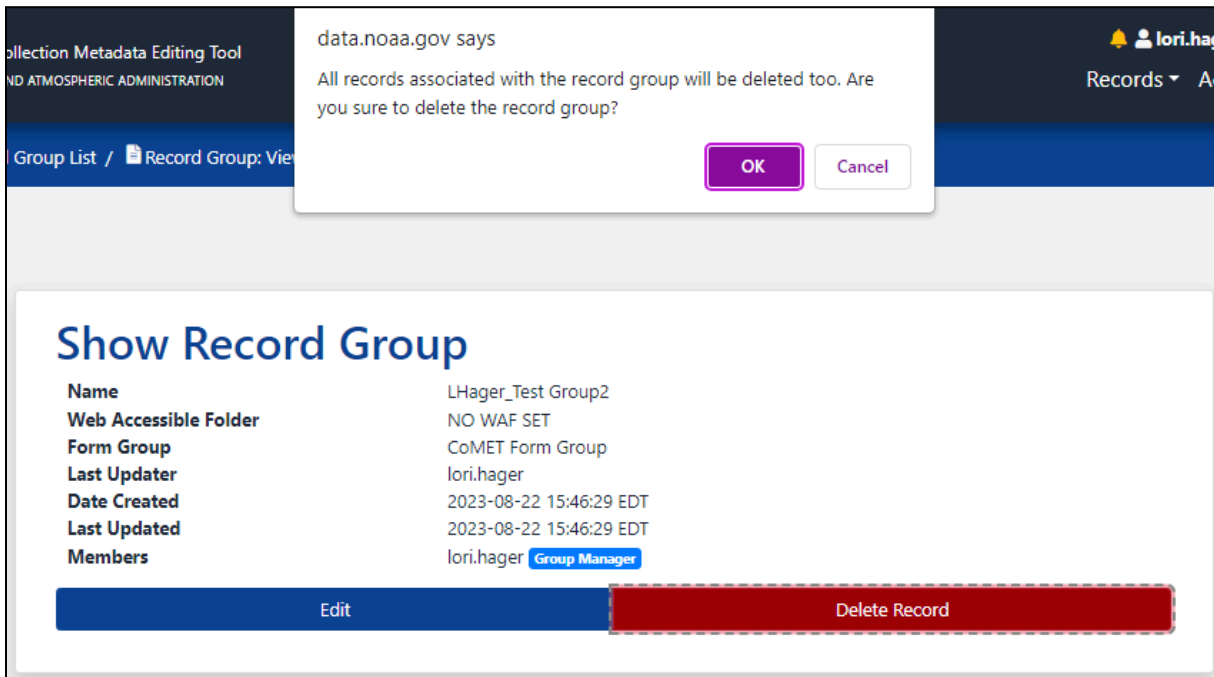
- From 'Record Group List', select record group to be deleted



- Click 'Delete Record'



- Click 'OK' to confirm deleting record group
 - All records in record group will also be deleted



- Click 'OK' again to confirm deleting record group

Collection Metadata Editing Tool
NOAA ATMOSPHERIC ADMINISTRATION

data.noaa.gov says
Are you really sure to delete the record group?

OK Cancel

Records Lori.hag

Group List / Record Group: View

Show Record Group

Name	LHager_Test Group2
Web Accessible Folder	NO WAF SET
Form Group	CoMET Form Group
Last Updater	lori.hager
Date Created	2023-08-22 15:46:29 EDT
Last Updated	2023-08-22 15:46:29 EDT
Members	lori.hager Group Manager

Edit Delete Record

- Get message 'Deleted record group << (record group name) >>'

Deleted record group << LHager_Test Group2 >>

Search groups Search Create Record Group

Record Group List

Edit Record Group Forms

Note: Action available only to Group Manager user role

- From Metadata Record Group List, select record group

Home / Metadata Record Group List

Search groups Search Create Record Group

Record Group List

Showing 1 to 9 of 9 records

Name	Members	Date Created	Last Updated	Last Updater
NOAA/NESDIS/star/	paul.lemieux Group Manager lori.hager Group Manager	2021-04-14	2023-08-23	lori.hager

- Click 'Edit'

Show Record Group

Name	NOAA/NESDIS/star/
Description	STAR WAF
Web Accessible Folder	NOAA/NESDIS/star/
Web UUID	58873f11-8bbb-473c-83d4-5464c65a7b99
Form Group	CoMET Form Group
Last Updater	lori.hager
Date Created	2021-04-14 12:08:54 EDT
Last Updated	2023-08-23 11:14:50 EDT
Members	lori.hager Group Manager paul.lemieux Group Manager

Edit

Delete Record

- Changes can be made to 'Name' and 'Description' fields
 - Group Managers can also assign and delete users from 'Edit Record Group' page
 - See below
- Click 'Update'

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager Group Manager
✕

paul.lemieux Group Manager
✕

Add Member:

Add User

Update

Delete Record

- Get message 'Record updated'

Home / Metadata Record Group List / Edit: CoMET

⚠
Record updated

Assign Users to Record Group

Note: Action available only to Group Manager user role

- From 'Record Group List', select record group

Home / Metadata Record Group List

Search groups Search [Create Record Group](#)

Record Group List

Showing 1 to 9 of 9 records

Name	Members	Date Created	Last Updated	Last Updater
NOAA/NESDIS/star/	paul.lemieux Group Manager lori.hager Group Manager	2021-04-14	2023-08-23	lori.hager

- Click 'Edit'

Show Record Group

Name NOAA/NESDIS/star/
Description STAR WAF
Web Accessible Folder NOAA/NESDIS/star/
Web UUID 58873f11-8bbb-473c-83d4-5464c65a7b99
Form Group CoMET Form Group
Last Updater lori.hager
Date Created 2021-04-14 12:08:54 EDT
Last Updated 2023-08-23 11:14:50 EDT
Members lori.hager [Group Manager](#)
paul.lemieux [Group Manager](#)

[Edit](#) [Delete Record](#)

- Add username below ‘Add Member’
 - User must have a CoMET account
 - Username is email address without ‘@noaa.gov’
- Select role from ‘Select Role’ drop-down menu

Note: ‘Metadata Publisher’ is an option only if record group has an associated WAF

Edit Record Group

Name (required)

Description

Current Group Members:

- lori.hager Group Manager ✕
- paul.lemieux Group Manager ✕

Add Member:

-- Select Role--

- Select Role--
- Metadata Editor**
- Group Manager
- Metadata Publisher
- Guest

- Click ‘Add User’

Edit Record Group

Name (required)

Description

Current Group Members:

- lori.hager Group Manager ✕
- paul.lemieux Group Manager ✕

Add Member:

Metadata Editor

- User's name is added to list of 'Current Group Members'
- Click 'Update'

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	
sarah.menassian	Metadata Editor	

Add Member:

- Get message 'Record updated'

Home / Metadata Record Group List / Edit: NOAA/NESDIS/star/

Record updated

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	
sarah.menassian	Metadata Editor	

Add Member:

Delete Users From Record Groups




- Go to 'Edit Record Group' page
 - In 'Current Group Members' list, click red 'X' next to user/member to be deleted

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	
sarah.menassian	Metadata Editor	

Add Member:



- Username is removed from 'Current Group Members' list

Edit Record Group

Name (required)

Description

Current Group Members:

lori.hager	Group Manager	
paul.lemieux	Group Manager	

Add Member:

API (Application Programming Interface)

CoMET API is a software interface that allows connection between computers or computer programs. It gives users the ability to write programs (scripts) to create/import, export, update, and delete single or multiple ISO metadata records in a Record Group.

Note: CoMET APIs are intended for users with computer programming experience

Requirements

- Users must have a @noaa.gov email account with CoMET
- User must be assigned to recordGroup with which they are trying to interact
- To be added to a recordGroup, email ncei.collection-manager.support@noaa.gov

To view the complete API documentation, along with code samples, go to [CoMET API \(v2\)](#)

Appendix

Glossary of Terms

1. **Collection** - group of environmental data or products that share common characteristics, is represented by a single metadata record, and consists of one or more granules
 - a. Also referred to as datasets
2. **Data Group** - a superset of collections
3. **Data Management Plan** - plan to ensure that data are properly documented, made accessible, and preserved for future use
4. **Data Stewardship Maturity Matrix (DSMM)** - a unified framework for measuring stewardship maturity of environmental datasets
5. **Data Stewardship Maturity Questionnaire (DSMQ)** - method to create a DSMM assessment
 - a. DSMQ is a more consistent and scalable approach than manual DSMM assessments
6. **Data Stewardship Maturity Report (DSMR)** - ISO standard-based dataset-level quality metadata and data stewardship maturity report generated from DSMM assessment
7. **Docucomp** - tool to create and edit reusable ISO XML components
8. **Edit States**
 - a. DRAFT - default state assigned to record after being imported or created
 - i. Record is available for editing
 - b. IN_REVIEW - state of record once it has been requested to be published
 - i. Designates record is awaiting approval by Publisher
 - c. APPROVED - state of record once Publisher approves publication request and record is sent to a WAF for publication and harvest
 - d. PUBLISH_PROCESSING - RWAF Pipeline is processing the metadata record to send it to a WAF and external systems outside of CoMET
 - e. INVALID - if XML does not pass validation, CoMET automatically changes record's state from APPROVED to INVALID
 - i. User must correct metadata and resubmit
 - f. WAF_PUBLISH_PASS, OSIM_PUBLISH_FAIL - record made it through the processing phase and did not get published to OneStop or Inventory Manager
 - g. WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS - end state after publishing to a WAF and other external systems, e.g. OSIM
9. **Form Validation** - ISO Editor's validation that ensures required content is present
10. **ISO Editor** - a metadata creation and editing tool within CoMET
 - a. Provides form validation to ensure required information is present
11. **ISO Validation** - validates against ISO XML schema
12. **JSON (Javascript Object Notation)** - lightweight data-exchange format
13. **Metaserver** - provides CoMET-like services without creating a metadata record, resolves xlinks, translates between different XML standards, and allows advanced users to process WAFs on demand

- 14. Publish** - sends metadata record to review queue for a Publisher to approve or reject
 - a. Once published, record is accessible on its associated WAF and OSIM
- 15. Record Group** - related or associated metadata records managed by a team or project
- 16. Record Name** - record title for CoMET
 - a. Record Name is not inserted into ISO XML
 - b. Recommended to use record fileIdentifier as Record Name
 - c. CoMET automatically assigns fileIdentifier as Record Name when ISO XML record is imported
- 17. Relevancy Ranking** - process of sorting search results so that files which are most likely to be relevant to query are shown at top
- 18. Universal Unique Identifier (UUID)** - required unique character string used to identify records
 - a. UUIDs are manually assigned or auto-generated, written into XML within UUID attribute in MI_Metadata root element, and required for managing records via CoMET API
- 19. User Roles** - permissions are inheritable
 - a. Guest - read only access to forms and records
 - b. Metadata Editor - may create, edit, and delete records, request records to be published, download XML files from CoMET
 - c. Metadata Publisher - in addition to abilities assigned to Metadata Editor user role, Metadata Publishers approve/reject publish requests from editors, publish records, and unapprove records to be published
 - d. Group Manager - in addition to abilities assigned to Metadata Publisher user role, Group Managers may create and delete record groups, edit record group forms, and add users to or remove users from record groups they manage
 - e. Admin - in addition to abilities assigned to all other user roles, Admins have access to all record groups. Their role includes additional administrative abilities including, but not limited to, thesaurus maintenance, troubleshooting user's questions, and system bugs
- 20. Web Accessible Folder(WAF)** - System where XML metadata files are stored and can be harvested or downloaded

Change Log

Revision Number	Description of Change	Author	Date
A	Content revised to follow order of actions in CoMET database; descriptions of actions revised to be more concise	L Hager	6/28/2021
B	Updated version number on title page and footer; added Publish user role and actions; included user interface upgrades; updated screenshots; added 'Simple Editor' section; added 'OneStop Readiness' section; deleted 'View Record' button from Compare Versions page; deleted 'Commit' button from DSMQ section; updated API instructions; updated document title	L Hager, C. Luquire	8/13/2021
C	Updated version number, added references to and screenshots of Landing Page, Banner, Footer, and Boilerplate Evaluation. Updated Table of Contents	C Luquire	1/28/2022
D	Updated version number on title page; restored version number and page number in footer; revised Overview; in Contact Info, replaced OSMC team with collection manager support email; removed references to landing page, banner, and footer (redundant/unnecessary); updated many screenshots; deleted Boilerplate; added Content Evaluator and described significance of orange badges; added how to use Guided Mode; updated In-Review Record List in Publish section; described how to Unpublish a record; added 'Replace with File' in Manage drop-down; added 'View Scorecard Overview' in DSMQ section; added link to CoMET API (v2)	L Hager	9/30/2022
E	Added: Notifications of records' status (yellow bell); File Identifier added to 'Filters'; Publishing drop-down menu only displayed if record group has associated WAF(s); Red 'Approve All' button; 'Unpublished' replaced with 'Unapprove'; Metadata Records List – new format for column titles; NODD Metadata (Beta), link provided to preview schema in YAML	L Hager	1/27/2023
F	Added: How to insert Components into ISO Editor (section moved from Docucomp User Guide); Make Template function; Create Record Group; Assign users to record groups; Updated screenshots	L Hager	7/05/2023
G	Updated version number on title page and footer; updated many screenshots; updated account creation for new users;	L Hager	8/25/2023

	added note to Copy section about new 'Make Template' function; custom authorization of user's roles per group; detailed actions available to Group Managers; updated Edit States list in Glossary; clarified actions permitted per user role in Glossary		
H	Added Record Services function, as duplicated from Metaserver; noted where some functions are only available for records with with edit state of WAF_PUBLISH_PASS, OSIM_PUBLISH_PASS; redefined WAF in Glossary	L Hager	4/16/2024