

Welcome to Docucomp

The home of component metadata authoring.

Docucomp User Manual

Production Version 4.5.1

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Contact Information

Questions or feedback regarding this manual should be directed to the OneStop Metadata Content Team (lori.hager@noaa.gov, catherine.luquire@noaa.gov, paul.lemieux@noaa.gov)

If you encounter issues or need to report a bug in Docucomp, please email ncei.collection-manager.support@noaa.gov. In the email, describe the issue or bug and 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, Jerri Reeves, and Marty Aubrey for their technical input

Overview

The purpose of Docucomp is to save users' time and promote reusability. If users need to create multiple metadata records with the same features, they can create XML components in Docucomp and directly import the components into their XML or metadata records in CoMET as Xlinks. This manual demonstrates how to create and edit XML components and component groups, and how to insert XML components as Xlinks into metadata records using CoMET ISO Editor.

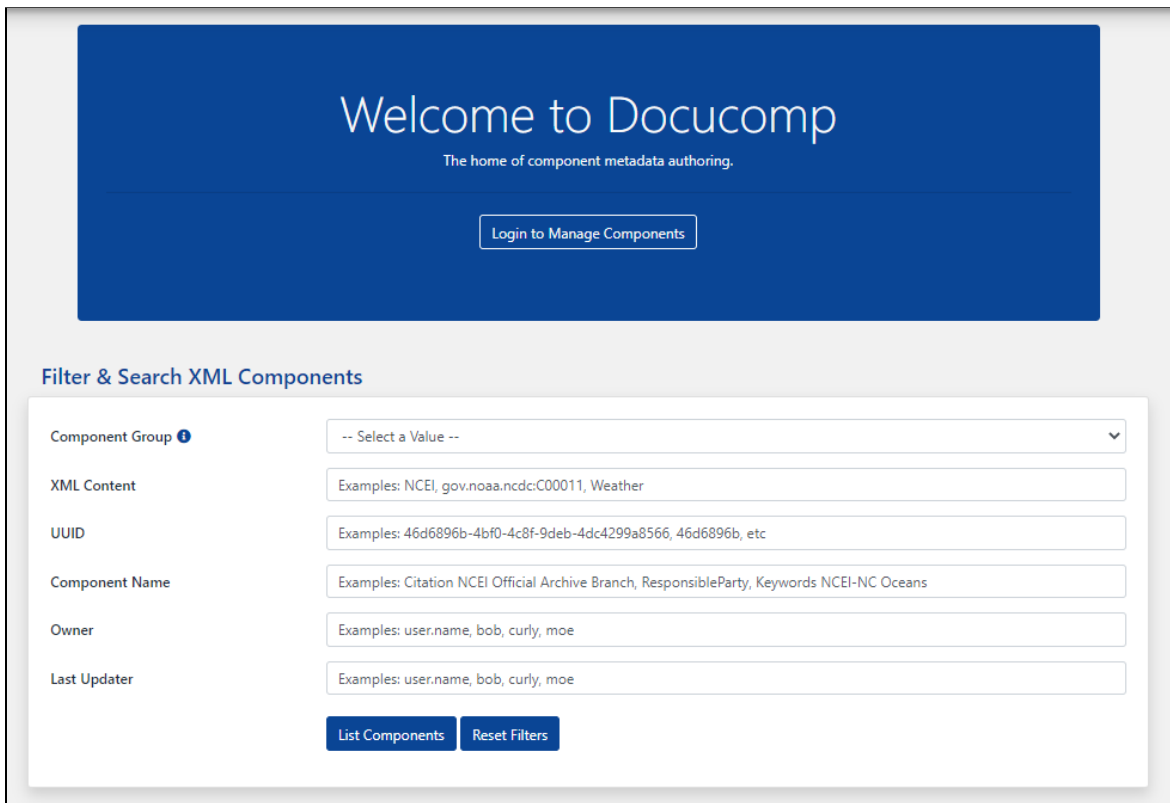
Helpful Quickfacts

1. An XML component is a snippet of [ISO 19139 XML](https://www.ncei.noaa.gov/sites/default/files/2020-04/ISO%2019115-2%20Workbook_Part%20I%20Extentions%20for%20imagery%20and%20Gridded%20Data.pdf) (https://www.ncei.noaa.gov/sites/default/files/2020-04/ISO%2019115-2%20Workbook_Part%20I%20Extentions%20for%20imagery%20and%20Gridded%20Data.pdf) (see page 9 of link)
2. Components are inserted into metadata records via Xlinks
3. Xlinks are used to create hyperlinks in XML documents
4. Component Groups are used to group related components together. Editors can create and manage components within their own groups
5. If a user updates an in-use XML Component, the user must republish records in CoMET OR run a WAF on-demand in [Metaserver](https://data.noaa.gov/Metaserver/) (<https://data.noaa.gov/Metaserver/>)

Limited Access

Some functions may be accessed without logging in

- Access Docucomp at <https://data.noaa.gov/Docucomp/>



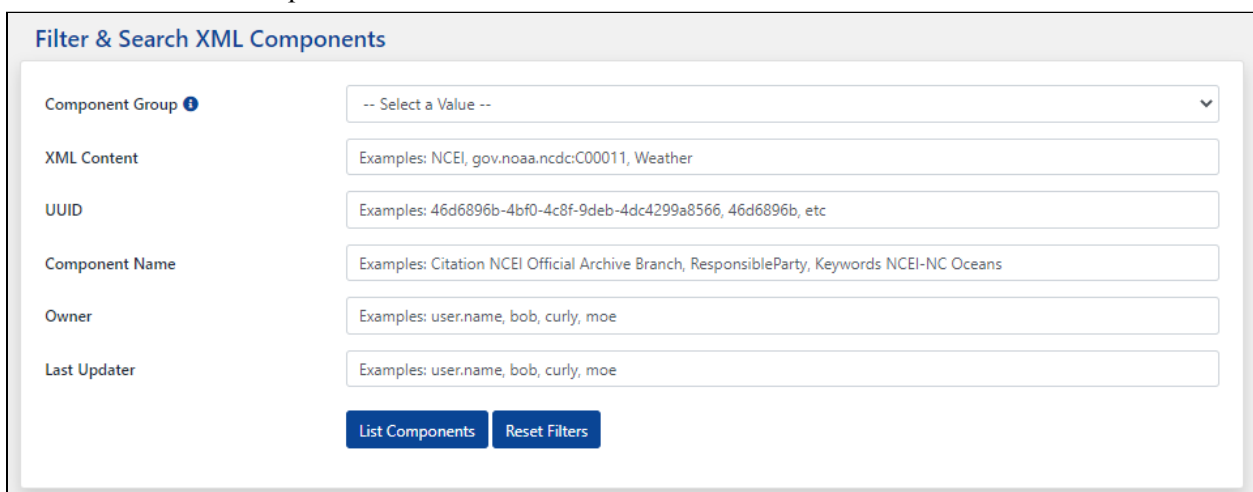
The image shows the Docucomp interface. At the top, a blue banner reads "Welcome to Docucomp" with the subtitle "The home of component metadata authoring." and a "Login to Manage Components" button. Below this is the "Filter & Search XML Components" section, which contains a form with the following fields:

- Component Group**: A dropdown menu with "-- Select a Value --".
- XML Content**: A text input field with examples: "NCEI, gov.noaa.ncdc:C00011, Weather".
- UUID**: A text input field with examples: "46d6896b-4bf0-4c8f-9deb-4dc4299a8566, 46d6896b, etc".
- Component Name**: A text input field with examples: "Citation NCEI Official Archive Branch, ResponsibleParty, Keywords NCEI-NC Oceans".
- Owner**: A text input field with examples: "user.name, bob, curly, moe".
- Last Updater**: A text input field with examples: "user.name, bob, curly, moe".

At the bottom of the form are two buttons: "List Components" and "Reset Filters".

Filter & Search XML Components

- Apply filter(s), if desired
- Click 'List Components'



This is a detailed view of the "Filter & Search XML Components" form. It includes the same fields as the previous image:

- Component Group**: A dropdown menu with "-- Select a Value --".
- XML Content**: A text input field with examples: "NCEI, gov.noaa.ncdc:C00011, Weather".
- UUID**: A text input field with examples: "46d6896b-4bf0-4c8f-9deb-4dc4299a8566, 46d6896b, etc".
- Component Name**: A text input field with examples: "Citation NCEI Official Archive Branch, ResponsibleParty, Keywords NCEI-NC Oceans".
- Owner**: A text input field with examples: "user.name, bob, curly, moe".
- Last Updater**: A text input field with examples: "user.name, bob, curly, moe".

At the bottom of the form are two buttons: "List Components" and "Reset Filters".

- Page loads with Filter & Search XML Components and Xml Components List

Filter & Search XML Components

Component Group ⓘ

-- Select a Value --

XML Content

Examples: NCEI, gov.noaa.ncdc:C00011, Weather

UUID

Examples: 46d6896b-4bf0-4c8f-9deb-4dc4299a8566, 46d6896b, etc

Component Name

Examples: Citation NCEI Official Archive Branch, ResponsibleParty, Keywords NCEI-NC Oceans

Owner

Examples: user.name, bob, curly, moe

Last Updater
















Examples: user.name, bob, curly, moe

List Components

Reset Filters

Xml Components List

Showing 1 to 10 of 4476 records

Actions	Component Name ↕	Owner ↕	Last Updater ↕	Last Updated ▼	Group
  	test_RP	catherine.luquire	catherine.luquire	2021-06-17 11:24:23 EDT	TEST GROUP
  	test_rp_Heather	catherine.luquire	catherine.luquire	2021-06-14 12:13:39 EDT	TEST GROUP
  	ResponsibleParty Hager Lori	catherine.luquire	catherine.luquire	2021-06-10 16:12:13 EDT	katy_test_group
  	demo_test	catherine.luquire	catherine.luquire	2021-06-10 13:01:16 EDT	katy_test_group
  	LHager_Test 1	lori.hager	lori.hager	2021-06-09 17:51:32 EDT	TEST GROUP







Xml Components List

Actions

-  [View Component](#)
-  [Copy Xlink](#)
-  [View XML](#)

Xml Components List

Showing 1 to 2 of 2 records

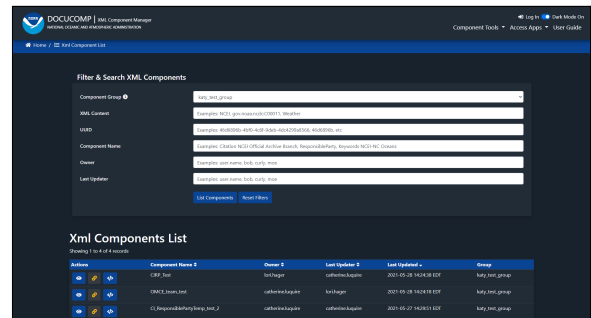
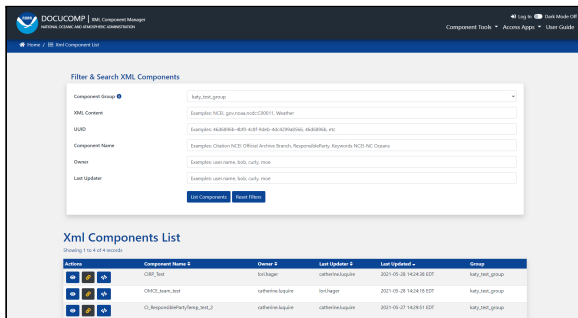
Actions	Component Name ↕	Owner ↕	Last Updater ↕	Last Updated ▼	Group
  	CI_ResponsiblePartyTemp_test	catherine.luquire	catherine.luquire	2021-04-12 16:21:13 EDT	TEST GROUP
  	TEST_ResponsibleParty_AmandaDean	catherine.luquire	catherine.luquire	2021-04-12 15:08:34 EDT	TEST GROUP

Show
10
records per page

Viewing Options

Dark Mode

- Toggle button for 'Dark Mode' at top right corner of screen
 - 'Dark Mode On' or 'Dark Mode Off'



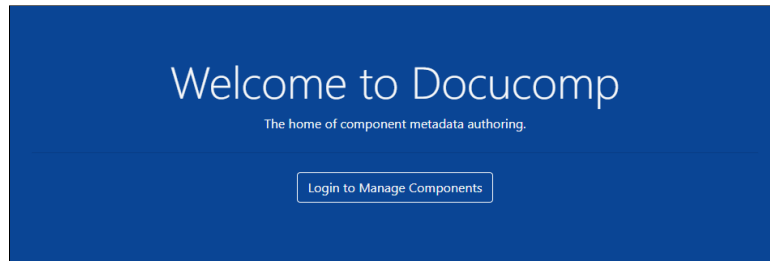
New Users

Note: If a NOAA employee, manager must request access

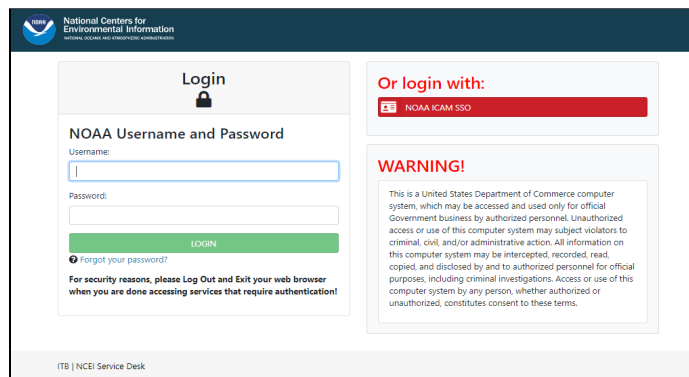
- Email: ncei.collection-manager.support@noaa.gov
- Subject:
 - New User for Docucomp for *employee name*
- Body:
 - Employee's Contact information
 - Associated program or agency
 - Component Group(s) to be accessed
 - If Component Group is unknown, user will be assigned to default Component Group 'NOAA Master Component Group'
 - User may create/edit components here until appropriate Component Group is determined
 - Intended usage
 - Include if ability to create Component Groups is required
 - New users will be assigned default user role ROLE_EDIT

Log In for Full Access

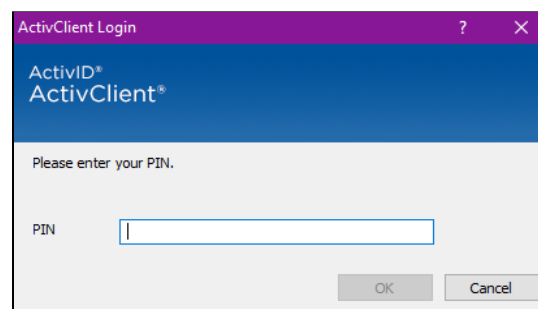
- Access Docucomp at <https://data.noaa.gov/Docucomp/>
- Select 'Login to Manage Components'



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

A screenshot of the NOAA login page. The header shows the NOAA logo and "National Centers for Environmental Information". The main section is titled "Login" with a lock icon. It has two input fields for "Username:" and "Password:". Below the password field is a green "LOGIN" button. To the right, there is a red button labeled "Or login with: NOAA ICAM SSO". A "WARNING!" box contains text about the system being a US Department of Commerce computer system. At the bottom left, it says "ITB | NCEI Service Desk".

- 'Select a certificate', if prompted
 - Select same certificate used when logging into work computer
- Enter CAC PIN

A screenshot of the "ActivClient Login" dialog box. It has a purple title bar with a question mark and a close button. The main area has a blue header with "ActivID®" and "ActivClient®". Below that, it says "Please enter your PIN." and has a text input field labeled "PIN". At the bottom right are "OK" and "Cancel" buttons.

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

WARNING

You are accessing a U.S. Government information system, which includes:

1. This computer
2. This computer network
3. All Government-furnished computers connected to this network
4. All Government-furnished devices and storage media attached to this network or to a computer on this network

You understand and consent to the following:

- You may access this information system for authorized use only.
- Unauthorized use of the system is prohibited and subject to criminal and civil penalties.
- You have no reasonable expectation of privacy regarding any communication or data transiting or stored on this information system at any time and for any lawful Government purpose.
- The Government may monitor, intercept, audit, and search and seize any communication or data transiting or stored on this information system.
- Any communications or data transiting or stored on this information system may be disclosed or used for any lawful Government purpose.

This information system may contain Controlled Unclassified Information (CUI) that is subject to safeguarding or dissemination controls in accordance with law, regulation, or Government-wide policy. Accessing and using this system indicates your understanding of this warning.

ACCEPT

- Docucomp Home page is displayed

DOCUCOMP | XML Component Manager
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

lori.hager Log Out Dark Mode Off

Component Tools Access Apps User Guide

Home

Welcome to Docucomp

The home of component metadata authoring.

Filter & Search XML Components

Component Group -- Select a Value --

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

UUID Examples: 46d6896b-4bf0-4c8f-9deb-4dc4299a8566, 46d6896b, etc

Component Name Examples: Citation NCEI Official Archive Branch, ResponsibleParty, Keywords NCEI-NC Oceans

Owner Examples: user.name, bob, curly, moe

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

List Components Reset Filters

Filter & Search XML Components

- Filters panel allows limiting number of components by various criteria
 - Filter components by:
 - XML Content
 - UUID
 - Automatically generated or use own from XML
 - Component Name
 - Owner
 - Last Updater
 - Click 'List Components' to apply filter(s)
 - Click 'Reset Filters' to clear filter(s)

Filter & Search XML Components

Component Group ⓘ

katy_test_group

▼

XML Content

Examples: NCEI, gov.noaa.ncdc:C00011, Weather

UUID

Examples: 46d6896b-4bf0-4c8f-9deb-4dc4299a8566, 46d6896b, etc

Component Name

Examples: Citation NCEI Official Archive Branch, ResponsibleParty, Keywords NCEI-NC Oceans

Owner

Examples: user.name, bob, curly, moe

Last Updater

Examples: user.name, bob, curly, moe







List Components

























Reset Filters

- Page loads with Filter & Search XML Components and XML Component List

XML Components List

Actions

-  [View Component](#)
-  [Edit Component](#)
-  [Copy Xlink](#)
-  [View Revision History](#)
-  [View XML](#)
-  [Delete this component](#)

Xml Components List						
Showing 1 to 4 of 4 records						
Actions	Component Name ↕	Owner ↕	Last Updater ↕	Last Updated ▼	Group	
     	CIRP_Test	lori.hager	catherine.luquire	2021-05-28 14:24:38 EDT	katy_test_group	
     	OMCE_team_test	catherine.luquire	lori.hager	2021-05-28 14:24:18 EDT	katy_test_group	
     	CI_ResponsiblePartyTemp_test_2	catherine.luquire	catherine.luquire	2021-05-27 14:29:51 EDT	katy_test_group	
     	test_3	catherine.luquire	catherine.luquire	2021-04-16 12:30:33 EDT	katy_test_group	

Actions



View Component

- Click eye icon to View Component
 - ‘Show Xml Component’ tab opens

Show Xml Component

Component Name: Responsible Party Burris, Charles - NCEI - Asheville North Carolina
Xml Component Group: NOAA Master Component Group
Owner: charles.burris
Date Created: 2021-04-12 11:35:12.594
Last Updated By: charles.burris
Last Updated: 2021-04-12 11:35:12.594
UUID: 7c4589b7-91e1-4ee7-bacd-f5db117ba42e
Xml Data:

```
<gmd:CI_ResponsibleParty xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.isotc211.org/2005/gmd http://www.isotc211.org/schemas/gmd" >
  <gco:CharacterString>
    Responsible Party Burris, Charles - NCEI - Asheville North Carolina
  </gco:CharacterString>
</gmd:CI_ResponsibleParty>
<gmd:CI_IndividualName>
  <gco:CharacterString>
    National Centers for Environmental Information
  </gco:CharacterString>
</gmd:CI_IndividualName>
<gmd:CI_OrganisationName>
  <gco:CharacterString>
    National Centers for Environmental Information
  </gco:CharacterString>
</gmd:CI_OrganisationName>
<gmd:CI_PositionName>
  <gco:CharacterString>
    Senior Developer
  </gco:CharacterString>
</gmd:CI_PositionName>
<gmd:CI_ContactInfo>
  <gmd:CI_Contact>
    <gmd:phone>
      <gmd:CI_Telephone>
        <gmd:voice>
          <gco:CharacterString/>
        </gmd:voice>
      </gmd:CI_Telephone>
    </gmd:phone>
    <gmd:address>
      <gmd:CI_Address>
        <gmd:deliveryPoint>
          <gco:CharacterString>
            51 Patton Ave
          </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/>
        </gmd:postalCode>
        <gmd:country>
          <gco:CharacterString>
            United States
          </gco:CharacterString>
        </gmd:country>
        <gmd:electronicMailAddress>
          <gco:CharacterString>
            charles.burris@noaa.gov
          </gco:CharacterString>
        </gmd:electronicMailAddress>
      </gmd:CI_Address>
    </gmd:address>
  </gmd:CI_Contact>
</gmd:CI_ContactInfo>
<gmd:role>
  <gmd:CI_RoleCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#CI_RoleCode" codeValue="pointOfContact" >
    <gmd:CI_RoleCode>
      <gco:CharacterString>
        pointOfContact
      </gco:CharacterString>
    </gmd:CI_RoleCode>
  </gmd:role>
</gmd:CI_ResponsibleParty>
```



Edit Component

- Click pencil icon to Edit XML Component
 - 'Edit Xml Component' tab opens
 - Apply edits
 - Click 'Update'

Edit Xml Component

Xml Component Name (required) ⓘ

Xml Content Group (required) ⓘ

Component Owner (required)

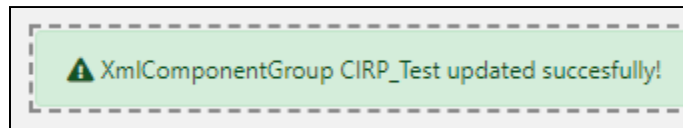
XML (required)

```

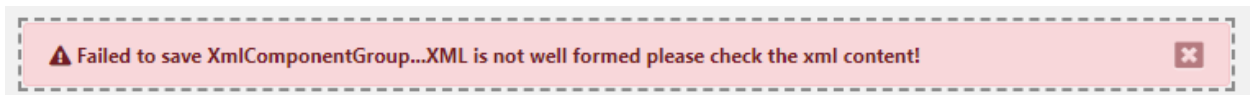
<gmd:CI_ResponsibleParty
  xmlns:gmd="http://www.isotc211.org/2005/gmd"
  xmlns:gco="http://www.isotc211.org/2005/gco"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.isotc211.org/2005/gmi
https://data.noaa.gov/resources/iso19139/schema.xsd"
  uuid="4b5b1495-ee7e-449f-859a-983bf7577998">
  <gmd:individualName>
  <gco:CharacterString>

```

- Get message 'XMLComponentGroup CIRP_Test updated successfully!' message

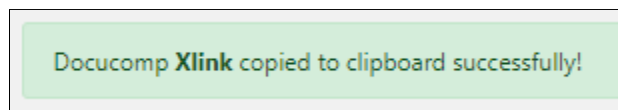


- If user inserts poorly formed XML, a new tab opens with red 'Failed to save [Component Name]... XML is not well formed please check the XML content!' message
 - Changes will not be saved



Copy Xlink

- Click link icon to Copy Xlink
 - Get message 'Docucomp Xlink copied to clipboard successfully!'



*Note: Only use Copy Xlink functionality when injecting component directly into XML
 Not recommended to use this functionality when inserting Xlinks into CoMET via ISO Editor
 For instructions on inserting Xlinks into CoMET's ISO Editor, [click here](#)*



View Revision History

- Click revert icon to View Revision History
- Each time a record is saved, Date and Updater are noted

Revision History: CIRP_Test			
Compare Versions		Showing 1 to 2 of 2 records	
Version	Date	Updater	Action
<input type="checkbox"/>	2021-06-04 15:02:34.668	lori.hager	View XML
<input type="checkbox"/>	2021-05-28 14:24:38.068	catherine.luquire	View XML Revert
<input type="checkbox"/>	2021-05-28 14:17:41.447	lori.hager	View XML Revert
<input type="checkbox"/>	2021-05-27 15:25:58.895	catherine.luquire	View XML Revert
<input type="checkbox"/>	2021-05-27 15:25:37.493	catherine.luquire	View XML Revert
<input type="checkbox"/>	2021-05-27 15:25:17.249	catherine.luquire	View XML Revert

Compare Two Versions

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

Revision History: CIRP_Test

Compare VersionsShowing 1 to 2 of 2 records

Version	Date	Updater	Action
<input checked="" type="checkbox"/>	2021-06-09 13:28:53.597	lori.hager	<button>View XML</button>
<input type="checkbox"/>	2021-06-04 15:02:34.668	lori.hager	<button>View XML</button> <button>Revert</button>
<input type="checkbox"/>	2021-05-28 14:24:38.068	catherine.luquire	<button>View XML</button> <button>Revert</button>
<input type="checkbox"/>	2021-05-28 14:17:41.447	lori.hager	<button>View XML</button> <button>Revert</button>
<input type="checkbox"/>	2021-05-27 15:25:58.895	catherine.luquire	<button>View XML</button> <button>Revert</button>
<input type="checkbox"/>	2021-05-27 15:25:37.493	catherine.luquire	<button>View XML</button> <button>Revert</button>
<input checked="" type="checkbox"/>	2021-05-27 15:25:17.249	catherine.luquire	<button>View XML</button> <button>Revert</button>

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

CIRP_Test

Number of differences: 6 differences from 6 lines of code.

Version (56467) vs. (55989)

- 1	1	<gmd:CI_ResponsibleParty
2	2	xmlns:gmd="http://www.isotc211.org/2005/gmd"
3	3	xmlns:gco="http://www.isotc211.org/2005/gco"
4	4	xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5	5	xsi:schemaLocation="http://www.isotc211.org/2005/gmi https://data.noaa.gov/resources/isol19139/schema.xsd"
6	6	uuid="7ba44a10-3946-47cc-909e-861240468d02">
7	7	<gmd:individualName>
8		<gco:CharacterString>
	8	</gco:CharacterString>
- 9		CIRP_Test
10		</gco:CharacterString>
- 11	9	</gmd:individualName>
12	10	<gmd:organisationName>
13		<gco:CharacterString>
	11	</gco:CharacterString>
- 14		1-3\$/\
15		</gco:CharacterString>
- 16	12	</gmd:organisationName>
17	13	<gmd:positionName>
18	14	<gco:CharacterString/>
19	15	</gmd:positionName>
20	16	<gmd:contactInfo>
21	17	<gmd:CI_Contact>
22	18	<gmd:phone>
23	19	<gmd:CI_Telephone>
24	20	<gmd:voice>
25	21	<gco:CharacterString/>
26	22	</gmd:voice>
27	23	</gmd:CI_Telephone>
28	24	</gmd:phone>
29	25	<gmd:address>
30	26	<gmd:CI_Address>
31	27	<gmd:deliveryPoint>
32	28	<gco:CharacterString/>
33	29	</gmd:deliveryPoint>

View Component

View Diff

- To see XML Component details of most recent version, click green View Component button at bottom right of page
 - Most recent version may or may not be one of versions compared above



- ‘Show XML Component’ page opens for most recent version

Show Xml Component

Component Name: CI_ResponsiblePartyTemp_test_2
Xml Component Group: katy_test_group
Owner: catherine.luquire
Date Created: 2021-04-16 12:42:30.391
Last Updated By: catherine.luquire
Last Updated: 2021-05-27 14:29:51.052
UUID: 4b5b1495-ee7e-449f-859a-983bf7577998
Xml Data:

```

<gmd:CI_ResponsibleParty xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gco="http://www.isotc211.
  <gco:CharacterString>
    CI_ResponsiblePartyTemp_test_2
  </gco:CharacterString>
</gmd:individualName>
<gmd:organisationName>
  <gco:CharacterString>
    NCEI
  
```

View component’s XML

- Action
 - Click ‘View XML’

Revision History: OMCE_team_test

[Compare Versions](#)
Showing 1 to 2 of 2 records

Version	Date	Updater	Action
<input type="checkbox"/>	2021-05-28 14:24:18.56	lori.hager	View XML
<input type="checkbox"/>	2021-04-26 15:00:18.5	catherine.luquire	View XML Revert

- XML for selected component 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="yes" ?>
<gmd:CI_ResponsibleParty xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gco="http://www.isotc211.org/2005/gco"
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="c494dea3-eda4-4898-bbff-5a2438576fb3">
  <gmd:individualName>
    <gco:CharacterString> OMCE_team_test </gco:CharacterString>
  </gmd:individualName>
  <gmd:organisationName>
    <gco:CharacterString> NOAA </gco:CharacterString>
  </gmd:organisationName>
  <gmd:positionName>
    <gco:CharacterString> Metadata Specialist </gco:CharacterString>
  </gmd:positionName>
  <gmd:contactInfo>
    <gmd:CI_Contact>
      <gmd:phone>
        <gmd:CI_Telephone>
          <gmd:voice>
            <gco:CharacterString> 8283014394 </gco:CharacterString>
          </gmd:voice>
        </gmd:CI_Telephone>
      </gmd:phone>
      <gmd:address>
        <gmd:CI_Address>
          <gmd:deliveryPoint>
            <gco:CharacterString> 151 Patton Avenue </gco:CharacterString>
          </gmd:deliveryPoint>
          <gmd:city>
            <gco:CharacterString> Asheville </gco:CharacterString>
          </gmd:city>
          <gmd:administrativeArea>
            <gco:CharacterString> North Carolina </gco:CharacterString>
          </gmd:administrativeArea>
          <gmd:postalCode>
            <gco:CharacterString/>
          </gmd:postalCode>
          <gmd:country>
            <gco:CharacterString> United States </gco:CharacterString>
          </gmd:country>
          <gmd:electronicMailAddress>
            <gco:CharacterString> catherine.luquire@noaa.gov </gco:CharacterString>
          </gmd:electronicMailAddress>
        </gmd:CI_Address>
      </gmd:address>
    </gmd:CI_Contact>
  </gmd:contactInfo>
  <gmd:role>
    <gmd:CI_RoleCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#CI_RoleCode"
codeListValue="editor"> editor </gmd:CI_RoleCode>
  </gmd:role>
</gmd:CI_ResponsibleParty>
```


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

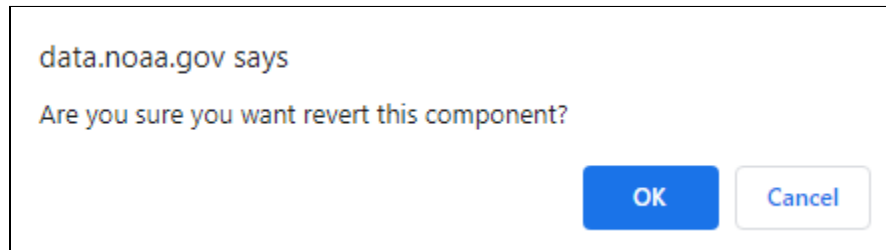
Revision History: OMCE_team_test

[Compare Versions](#)
Showing 1 to 2 of 2 records

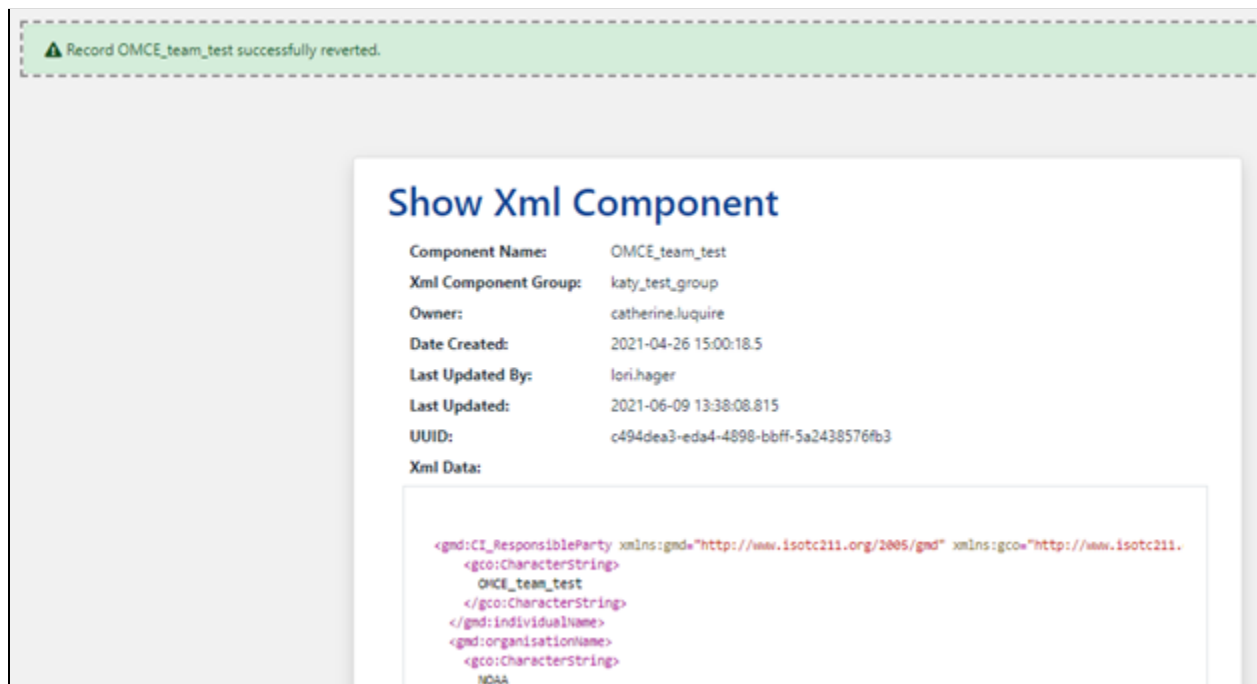
Version	Date	Updater	Action
<input type="checkbox"/>	2021-05-28 14:24:18.56	lori.hager	View XML
<input checked="" type="checkbox"/>	2021-04-26 15:00:18.5	catherine.luquire	View XML Revert



- Click 'OK'



- 'Show XML Component' page opens with green 'XMLComponent [component name] successfully reverted.' message





View XML

- Click end tag icon to View XML
 - New tab opens

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

```

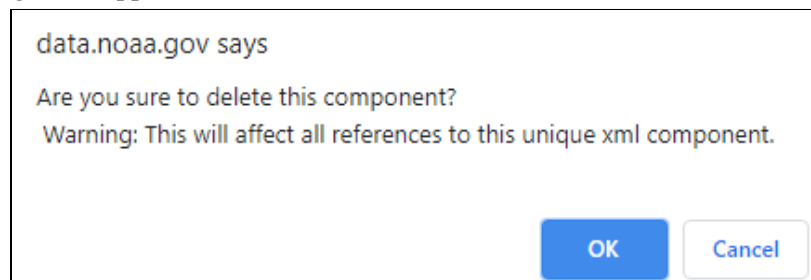
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<gmd:CI_ResponsibilityParty xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.isotc211.org/2005/gml https://data.noaa.gov/resources/iso19139/schema.xsd" uuid="7c4589b7-91e1-4ee7-bacd-f5db117ba42e">
  <gmd:individualName>
    <gco:CharacterString> Responsible Party Burris, Charles - NCEI - Asheville North Carolina </gco:CharacterString>
  </gmd:individualName>
  <gmd:organisationName>
    <gco:CharacterString> National Centers for Environmental Information </gco:CharacterString>
  </gmd:organisationName>
  <gmd:positionName>
    <gco:CharacterString> Senior Developer </gco:CharacterString>
  </gmd:positionName>
  <gmd:contactInfo>
    <gmd:CI_Contact>
      <gmd:phone>
        <gmd:CI_Telephone>
          <gmd:voice>
            <gco:CharacterString/>
          </gmd:voice>
        </gmd:CI_Telephone>
      </gmd:phone>
    </gmd:CI_Contact>
    <gmd:address>
      <gmd:CI_Address>
        <gmd:deliveryPoint>
          <gco:CharacterString> 51 Patton Ave </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/>
        </gmd:postalCode>
        <gmd:country>
          <gco:CharacterString> United States </gco:CharacterString>
        </gmd:country>
        <gmd:electronicMailAddress>
          <gco:CharacterString> charles.burris@noaa.gov </gco:CharacterString>
        </gmd:electronicMailAddress>
      </gmd:CI_Address>
    </gmd:address>
    <gmd:CI_Contact>
      <gmd:contactInfo>
        <gmd:role>
          <gmd:CI_RoleCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/CodeList/gmxCodeLists.xml#CI_RoleCode" codeListValue="pointOfContact"> pointOfContact
        </gmd:CI_RoleCode>
        </gmd:role>
      </gmd:CI_Contact>
    </gmd:CI_ResponsibilityParty>
  </gmd:CI_ResponsibilityParty>
</gmd:CI_ResponsibilityParty>

```



Delete this component

- Click trash icon to Delete Component
 - Message Box appears



- Click 'Cancel' to return to XML Component List
- Click 'OK' to delete

- Green Message ‘Component [component name] was removed successful’ appears

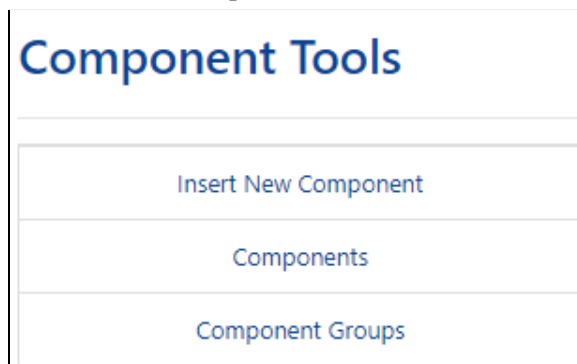


Note: User needs to republish records in CoMET or run a WAF on-demand in Metaserver to fully remove XML Component from records

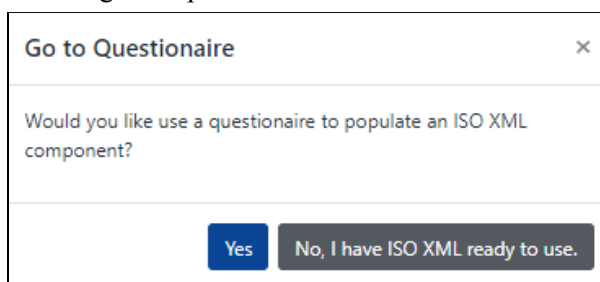
Component Tools

Insert (Create) New Component

- On Home page, click ‘Insert New Component’



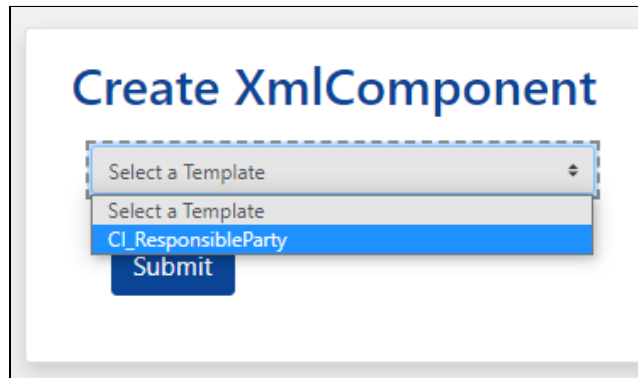
- ‘Go to Questionnaire’ dialog box opens



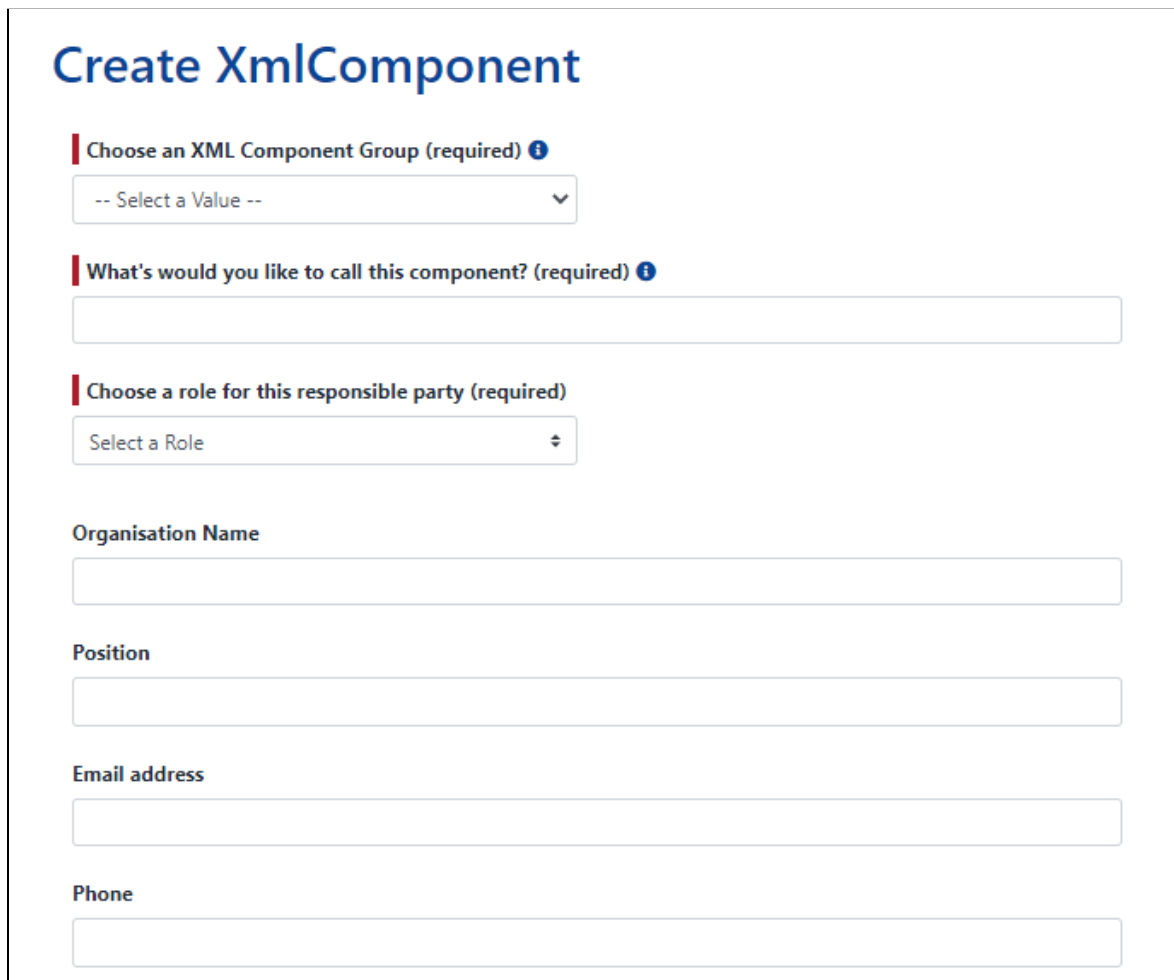
- Select ‘Yes’ to use a [CI_ResponsibleParty Questionnaire](#)
 - Manual entry form for creating an ISO XML snippet
 - Components created with questionnaire can only be edited directly within its XML
 - Editing cannot be done within form
- Select ‘No, I have ISO XML ready to use’ if using complete, well-formed [ISO XML snippets](#)

CI_ResponsibleParty Questionnaire

- From 'Create XMLComponent' drop-down, select 'CI_ResponsibleParty'
 - Click 'Submit'



- Enter data into fields
 - Required fields are indicated by a vertical red bar next to field name, as well as text '(required)' after field name
 - Hover mouse over information icon for field details



Create XmlComponent

Choose an XML Component Group (required) ⓘ

-- Select a Value --

What's would you like to call this component? (required) ⓘ

Choose a role for this responsible party (required)

Select a Role

Organisation Name

Position

Email address

Phone

Address Information

Street

City

State

Zipcode

Country

Create

- Click ‘Create’
- Message appears “XMLComponent [component name] created successfully!”

XMLComponentGroup LHager_Test 1 created successfully!

Create a New Component

Show Xml Component

Component Name:	LHager_Test 1
Xml Component Group:	TEST GROUP
Owner:	lori.hager
Date Created:	2021-06-09 17:51:32.345
Last Updated By:	lori.hager
Last Updated:	2021-06-09 17:51:32.345
UUID:	3ac8d7c0-69fc-4f29-9fc1-532e625371b0
Xml Data:	<pre> <formodel xmlns:gts="http://www.isotc211.org/2005/gts" xmlns:srv="http://www.isotc211.org/2005/srv" <orphan> <import> <standard> ISO 19115-2 </standard> </import> <gml:MI_Metadata xmlns:gsw="http://www.isotc211.org/2005/gsw" xmlns:gmx="http://www.isotc211.org/ </pre>

ISO XML Snippet

User must have complete, well-formed ISO XML snippets

- Enter data into fields or select value from dropdown menu
 - Required fields are indicated by a vertical red bar next to field name, as well as text ‘(required)’ after field name
 - Hover mouse over information icon for more field details

The screenshot shows a web form titled "Create XmlComponent". It has three main sections, each with a red vertical bar and an information icon (i):

- Component Name (required)**: A text input field containing "LHager_Test 1".
- Component Group (required)**: A dropdown menu showing "TEST GROUP".
- Xml (required)**: A text area containing an XML snippet:

```
<formModel
xmlns:gts="http://www.isotc211.org/2005/gts"
xmlns:srv="http://www.isotc211.org/2005/srv"
xmlns:gml="http://www.opengis.net/gml/3.2"
xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:gmi="http://www.isotc211.org/2005/gmi"
xmlns:gmd="http://www.isotc211.org/2005/gmd"
"
xmlns:xsi="http://www.w3.org/2001/XMLSchema
-instance"
```

A blue "Create" button is located at the bottom right of the form.

- Click 'Create'
- Message appears "XMLComponent [component name] created successfully!"

The screenshot shows a web page with a green success message at the top: "XMLComponent CI_ResponsablePartyTemp_test3 created succesfully!". Below the message is a blue button labeled "Create a New Component".

The main content area is titled "Show Xml Component" and displays the following details:

- Component Name:** CI_ResponsablePartyTemp_test3
- Xml Component Group:** OneStop Data Managers
- Owner:** catherine.luquire
- Date Created:** 2021-04-20 12:03:48.184
- Last Updated By:** catherine.luquire
- Last Updated:** 2021-04-20 12:03:48.184
- UUID:** 8c4f25f2-2fd1-4c9d-9cca-64afe4995f2d
- Xml Data:**

```
<gmd:CI_ResponsableParty xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:xsi="
  <gco:CharacterString>
    CI_ResponsablePartyTemp_test3
  </gco:CharacterString>
</gmd:IndividualName>
<gmd:organisationName>
  <gco:CharacterString>
```


- If poorly formed XML is inserted into XML field, red error message appears

⚠ Failed to save XmlComponent...XML is not well formed please check the xml content!

- Check XML content and resubmit

Components

- Click 'Components'



- Page opens to Filter & Search XML Components and Xml Components List

Home / Xml Component List Close Filters

Create a New Component

Filter & Search XML Components

Component Group ? -- Select a Value --

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

UUID Examples: 46d6896b-4bf0-4c8f-9deb-4dc4299a8566, 46d6896b, etc

Component Name Examples: Citation NCEI Official Archive Branch, ResponsibleParty, Keywords NCEI-NC Oceans

Owner Examples: user.name, bob, curly, moe

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

List Components Reset Filters

Xml Components List

Showing 1 to 10 of 4469 records

Actions	Component Name	Owner	Last Updater	Last Updated	Group
	CIRP_Test	catherine.luquire	catherine.luquire	2021-05-27 15:25:58 EDT	Katy_test_group
	CI_ResponsiblePartyTemp_test_2	catherine.luquire	catherine.luquire	2021-05-27 14:29:51 EDT	katy_test_group
	Mardi McNeil - principalInvestigator	veronica.martinez	veronica.martinez	2021-05-24 20:00:24 EDT	NOAA Master Component Group
	Brendan Brooke - principalInvestigator	veronica.martinez	veronica.martinez	2021-05-22 00:16:33 EDT	NOAA Master Component Group
	Julie Trotter - principalInvestigator	veronica.martinez	veronica.martinez	2021-05-22 00:10:41 EDT	NOAA Master Component Group

Insert XML Components in CoMET's ISO Editor

Note: There are many areas in CoMET where Docucomp Xlinks can be used

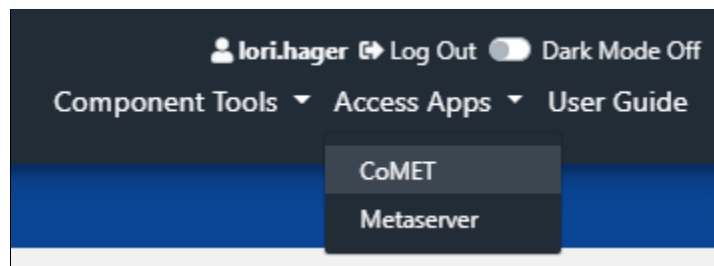
CoMET does not resolve Xlinks

ISO Editor cannot tell if XML component is linked in appropriate field

User must verify

Insert XML Component into ISO Editor

- Access CoMET
 - From Access Apps drop-down, select CoMET



- On Metadata Records List panel, locate record to be edited and select 'Edit' drop-down from its row
 - Select 'ISO Editor'



Record opens in new tab

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

- Navigate to tab and field that corresponds to XML component
 - Click '+Contact'

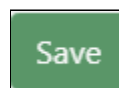
- In the dropdown box next to 'Contact 1' select 'Use Xlink w/ Role'

- In @xlink:href field, begin typing component name
 - Select correct component from autocomplete drop-down list

Version 1.8.2

- In @title:href field, enter Component Name

- 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
- 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!'

Document updated successfully!

View Components in XML

- From View, select 'Unresolved ISO 19115-2 XML'

Metadata Records List

Showing 1 to 4 of 4 records

Record Actions		
Edit	Manage	View
CoMET Format XML		
Edit	Manage	/validate
Landing Page HTML		
Edit	Manage	/validate
Plain Text HTML		
Edit	Manage	/validate
Unresolved ISO 19115-2 XML		
Edit	Manage	/validate

- Component is found in appropriate XML element

Note: CoMET does not resolve XML Components

```
<gmd:pointOfContact xlink:href="https://data.noaa.gov/docucomp/f11a845b-fb71-497e-b893-2cb6ad954aa1"
xlink:title="TEST_ResponsibleParty_AmandaDean"/>
```

- Once record is published outside of CoMET Xlink should fully resolve
- If Xlink does not contain valid ISO XML, Xlink will not resolve
- User can view fully resolved Xlink through [Metaserver Record Services](#)

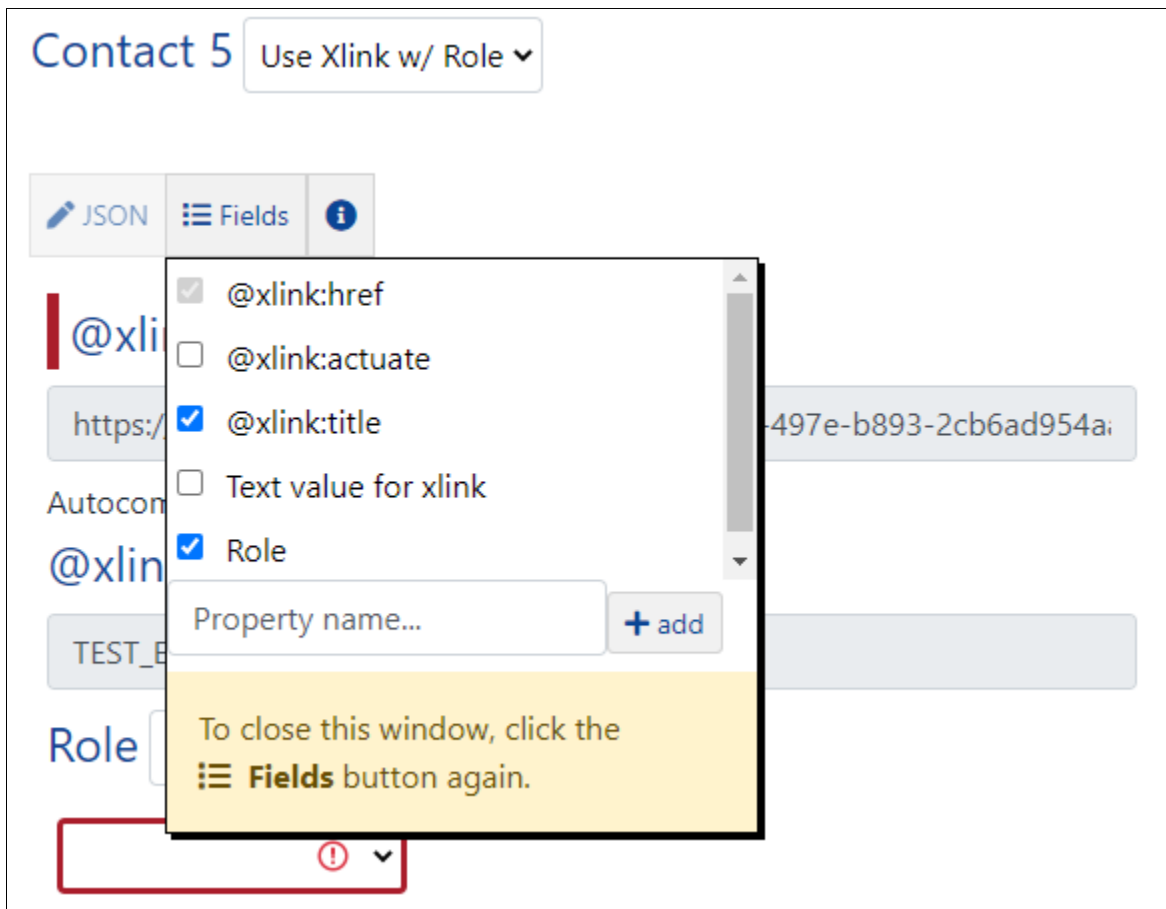
```
<gmd:pointOfContact xlink:title="TEST_ResponsibleParty_AmandaDean">
  <gmd:CI_ResponsibleParty xsi:schemaLocation="http://www.isotc211.org/2005/gmi https://data.noaa.gov/resources/iso19139/schema.xsd"
    uuid="f11a845b-fb71-497e-b893-2cb6ad954aa1">
    <gmd:individualName>
      <gco:CharacterString>Amanda Dean</gco:CharacterString>
    </gmd:individualName>
    <gmd:organisationName>
      <gco:CharacterString>DOC/NOAA/NESDIS/NCEI > 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:address>
          <gmd:CI_Address>
            <gmd:deliveryPoint>
              <gco:CharacterString>151 Patton Ave</gco:CharacterString>
            </gmd:deliveryPoint>
            <gmd:deliveryPoint>
              <gco:CharacterString>Veatch-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>amanda.dean@noaa.gov</gco:CharacterString>
            </gmd:electronicMailAddress>
          </gmd:CI_Address>
        </gmd:address>
      </gmd:CI_Contact>
    </gmd:contactInfo>
    <gmd:role>
      <gmd:CI_RoleCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodeLists.xml#CI_RoleCode"
        codeListValue="principalInvestigator">principalInvestigator</gmd:CI_RoleCode>
      </gmd:role>
    </gmd:CI_ResponsibleParty>
  </gmd:pointOfContact>
```

Use ISO Editor to Modify Point of Contact XML Component

Note: Service only edits XML Component within given field, not XML Component in other fields and records

Useful for when user wants to reuse XML Component but update Role Code for each reuse

- Click 'Fields' button to add 'Role' field to form
 - Place check in box next to 'Role'
 - Click 'Fields' button again to close window



- Select 'Choose a Role' from Role drop-down menu

JSON Fields ⓘ

@xlink:href (required)

<https://data.noaa.gov/docucomp/f11a845b-fb71-497e-b893-2cb6ad954aa1>

Autocomplete starts after 3 characters are entered

@xlink:title

TEST_ResponsibleParty_AmandaDean

Role Choose a Role ▼

- Choose a Role
- Choose a Role + CodeListURL
- Choose a nilReason
- Free Text

- Select appropriate Role from drop-down menu
 - e.g. 'Editor'

Role Choose a Role

! ▼

- author
- coAuthor
- collaborator
- contributor
- custodian
- distributor
- editor**
- funder
- mediator
- originator
- owner
- pointOfContact
- principalInvestigator
- processor
- publisher
- resourceProvider
- rightsHolder
- sponsor
- stakeHolder
- user

- Click 'Save' when finished



- Unresolved XML reflects updated CI_RoleCode

```
<gmd:pointOfContact xlink:href="https://data.noaa.gov/docucomp/f11a845b-fb71-497e-b893-2cb6ad954aa1" xlink:title="TEST_Editor_AD">
  <gmd:CI_ResponsibleParty>
    <gmd:role>
      <gmd:CI_RoleCode codeList="https://data.noaa.gov/resources/iso19139/schema/resources/Codelist/gmxCodelists.xml#CI_RoleCode"
        codeListValue="editor">editor</gmd:CI_RoleCode>
      </gmd:role>
    </gmd:CI_ResponsibleParty>
  </gmd:pointOfContact>
```