

Validating CrossRef XML and Deposit

Some eXtyles implementations have a custom export filter designed to deposit validated metadata to CrossRef. When exporting files from eXtyles, you should select the CrossRef XSD XML (valid) and Deposit option from the eXtyles Export menu. This option will convert the file from a Word document to XML and perform a validating parse of the XML against the NLM DTD, then transform the validated XML into a CrossRef-compliant file and upload it directly to the CrossRef website. You will then receive a confirmation email from CrossRef that your file has been successfully uploaded.

Warning: Before running export, it is very important to style the document correctly and run all eXtyles functions as specified. In addition, correct copyediting of the document, especially with regard to the front matter (e.g., authors, affiliations, and footnotes) is essential. Failure to style and edit the document correctly prior to export may result in parsing errors.

If you select the NLM DTD 3.0 XML w/CALS tables (valid) option from eXtyles menu and the file is valid, you will first see a dialog box informing you that your file has successfully parsed, and then a second dialog box will open, asking if you want to proceed with the CrossRef deposit. If you are ready to upload the metadata to CrossRef, click Yes. If you are not ready to upload the document, or you have selected this menu item in error, then click No.

If you click Yes, and proceed with the CrossRef deposit, a confirmation email will be sent to the email address associated with the CrossRef account.

If the document has not been correctly styled and does not create validated NLM XML, you will not see the dialog box asking whether or not you want to deposit to CrossRef.

If your organization includes a CrossRef Suffix field on their Documentation Information dialog box, be sure to provide the correct HTML suffix in that field before exporting your document.

Validating CrossRef XML Configuration

The CrossRef XML Deposit module has largely been preconfigured by Inera. However, there are several files in which final configuration settings must be made by your organization prior to using this module in production:

- **[ORG]_Inera-XML-LibXSLT_CrossRef-Resource.xml**

The CrossRef XML Deposit module can automatically set up the resource (URL) where the online item may be found based on metadata in the NLM DTD XML file. You must adjust the XSLT for the correct online URL pattern for your content before using this module to deposit production data at CrossRef.

- **[ORG]_Inera-XML-LibXSLT_CrossRef-User.xsl**

CrossRef requires that each deposit contain the email address to which confirmation and error reports should be delivered. This email address should be adjusted to reflect the appropriate value for your organization.

- **[ORG]_Inera-Net-Deposit_CrossRef-URL.xsl**

This feature allows you to test this module without actually depositing live data to CrossRef until you are sure all of the configuration is correct. Look for "REVIEW" in this file and update both cases of "-test" to "-live". While this setting is "-test", all deposits will be posted to the CrossRef test site, not to the live deposit queue. Changing this setting to "-live" will direct deposits to the live CrossRef deposit queue.

Checking CrossRef Uploads

You can check on the status of your CrossRef deposit by going to <http://doi.crossref.org/servlet/submissionAdmin?sf=showUpload>. You will need to log in using your CrossRef username and password. Once you are logged in, click the Submissions tab, and then click the Show System Queue tab to see if your file is in the queue to be processed. At times, processing is very quick and your deposit may go through the queue before you can check.

If your file is not in the queue, make sure it is loaded into the system correctly by using the CrossRef OpenURL lookup without redirection at this URL:

```
http://www.crossref.org/openurl/?url_ver=Z39.88-2004&req_dat=USER:PASSWORD&rft_id=info:doi/10.2471/BLT.13.000113&noredirect=true&format=unixref
```

replacing:

- **USER** with your CrossRef user name
- **PASSWORD** with your CrossRef password
- **10.2471/BLT.13.000113** with the DOI that you want to check

If you see correct XML metadata after completing this lookup, then your deposit is complete. If you do not see metadata and you've rechecked the URL to make sure that it is correct, check

the email address specified in your XML deposit to see if CrossRef returned an error for your deposit.

IMPORTANT: Always be sure to review all emails returned from CrossRef deposits. Errors in deposits will cause them to be rejected and your DOI will not be registered.

You can correct any errors or update the CrossRef metadata record at any time by rerunning the deposit process. If you use eXtyles to regenerate the XML, the timestamp in the XML file is automatically updated. If you manually adjust the XML file, be sure to update the timestamp so that CrossRef will overwrite the previous deposit.

When updating a deposit at CrossRef, the OpenURL lookup may not show the updated metadata immediately even if the file is no longer in the submission queue.

Manual Metadata Upload

If you are able to export the XML file with the metadata for upload to CrossRef, but the automatic upload within eXtyles fails to work correctly (e.g., proxy server settings are not correct), you can manually upload the valid XML file to CrossRef at <http://doi.crossref.org/servlet/submissionAdmin?sf=showUpload>. Log in using your CrossRef username and password. Once you are logged in, click the Submissions tab, set the Type to Metadata, and use the Browse button to select the file to upload. Once the upload is complete, you can check on the status as described earlier in this section.