

ISNI Data Contributors Reports and Notifications Guidelines

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1 Batch Load Reports and Notifications

After completion of ISNI batch loads, OCLC makes **batch load reports** available on its FTP-server and notifies the contributor by email notification. The load statistics are included in the notification mail.

Batch loads do not guarantee ISNI assignment. This is reflected in the reports, batch contributors receive 3 reports – assigned, not assigned and possible matches.

Contributors are also notified of relevant changes to their records in ISNI by way of **notifications** which are made available on OCLC's FTP server to each individual contributor.

The notifications are of matches where a provisional ISNI has been promoted to assigned status or of merged duplicate ISNI's.

2 Batch Load Reports

1)Assigned ISNI's are in the file *Bulkload_<your source >_Successful.xml*.

An ISNI is assigned when the following conditions are met:

- there is a match with a record already on the database at a sufficient confidence level as determined by the software. The matching process favours
 - match on name and title
 - match on full name and date, where the name is not on the common surname list
 - partial match on name, and other factors, co-authors, organisation affiliations, publishers
- If there are multiple definite matches, the best candidate is chosen and the record is merged with it (best candidate = assigned selected before provisional; else if there are multiple possible records with the same status, then the record with the highest match score is chosen as the best candidate)
- Following up on the batch load, a program is run to detect records with unique personal names and unique organisation names. Personal name records will be assigned if there are forenames (not single surname and not surname and initial or initials) and the name does not exist in a short form and there are no possible match fields in the record. Organisation names records will be assigned if the name is unique and the record includes a LOCODE, organisation type or organisation URL.

2) An ISNI is not assigned in these cases

- Names with a possible duplicate in the ISNI DB are in the file Bulkload_<your source>_ **Unsuccessful**.xml.

If there is an uncertain match, a new record for the name is added with a 038L field 'possible duplicate'. The record will be given a status of provisional. There are 2 cases of uncertain match – where the matching score is between the no match threshold and the match threshold – and where the incoming record has a source code that is already on the match record.

- Names with sparse data and no confident match in the ISNI DB are in Bulkload_<your source>_ **NoMatch**.xml.

If there is no definite or no uncertain match for the name, or if the name is not unique, or if the data are not rich, a new record for the name resides in the ISNI DB with status provisional.

Batch contributors may access all records on the ISNI Web interface where they can resolve those provisional records with uncertain matches and other non matches. Batch contributors may leave their unassigned data on the system for future possible matching. In this case, should an ISNI be assigned at a later stage, a notification will be sent.

2.1 Batch Load Report – Successful

```
<record>
  <URL>http://isni-m.oclc.org/DB=1.3/PPN?PPN=096471387</URL>
  <isniStatus>
    <isniPlain>0000000096471384</isniPlain>
    <isni status="assigned">ISNI 0000 0000 9647 1384</isni>
    <confidence>60</confidence>
  </isniStatus>
  <localIdentification>
    <contributor>XXXX</contributor>
    <localIdentifier>276893</localIdentifier>
  </localIdentification>
  <matchingData>
    <recipient>VIAF</recipient>
    <matchDateTime>2019-08-26 16:26:02</matchDateTime>
    <matchString>9780920236321</matchString>
    <matchType>isbn</matchType>
    <matchScore>1.000000</matchScore>
    <totalScore>1.000000</totalScore>
  </matchingData>
</record>
```

In the above example, the 'batch loader' is assigned an ISNI because of successful merge of their source 276893 with a VIAF record.

Information given includes:

Description	Example
a URL directly to the assigned record	<URL>http://isni-m.oclc.org/DB=1.3/PPN?PPN=096471387</URL>
your identifier	<localIdentification> <contributor>XXXX</contributor> <localIdentifier>276893</localIdentifier> </localIdentification>
Code of data supplier with matching data	<recipient>VIAF</recipient>
Matching data in addition to a match on name (there may be multiple match elements, only one is included)	<matchString>9780920236321</matchString> <matchType>isbn</matchType>
Confidence in the level of the individual match	<matchScore>1.000000</matchScore>
Overall match confidence. (lowest match score is currently .85; 1.000000 is the highest score)	<totalScore>1.000000</totalScore>

2.2 Batch Load Report – No Match

```

<record>
  <URL>http://isni-m.oclc.org/DB=1.3/PPN?PPN=126117292</URL>
  <localIdentification>
    <contributor>XXXX</contributor>
    <localIdentifier>275626</localIdentifier>
  </localIdentification>
</record>

```

Above is an example where an ISNI has not been assigned and has made no matches.

Description	Example
a URL directly to your record	<URL>http://isni-m.oclc.org/DB=1.3/PPN?PPN=0126117292</URL>
your identifier	<localIdentification> <contributor>XXXX</contributor> <localIdentifier>275626</localIdentifier> </localIdentification>

2.3 Batch Load Report – Unsuccessful

```

<record>
  <URL>http://isni-m.oclc.org/DB=1.3/PPN?PPN=136314570</URL>
  <localIdentification>
    <contributor>XXXX</contributor>
    <localIdentifier>LI00132526</localIdentifier>
  </localIdentification>
  <possibleDuplicates>
    <source>CEDA#PERSON</source>
    <decision>P</decision>
    <matchScore>84.727</matchScore>
    <url>http://isni-m.oclc.org/DB=1.3/PPN?PPN=110310810</url>
  </possibleDuplicates>
  <matchingData>
    <recipient>VIAF</recipient>
    <matchDateTime>2012-06-27 21:11:08</matchDateTime>
    <matchString>johann sebastian bach und das leipziger
    gottesdienstliche leben seiner zeit</matchString>
    <matchType>title</matchType>
    <matchScore>0.862520 </matchScore>
    <totalScore>0.860606</totalScore>
  </matchingData>
</record>

```

Above is an example notice where a record has not been assigned an ISNI because there was not enough confidence in the match, but the record is possibly related to another record on file. Information given includes:

Description	Example
a URL directly to your record on the ISNI database	<URL>http://isni-m.oclc.org/DB=1.3/PPN?PPN=136314570</URL>
your identifier	<localIdentification> <contributor>XXXX</contributor> <localIdentifier>LI00132526</localIdentifier> </localIdentification>
URL directly to the possible match	<url> http://isni-m.oclc.org/DB=1.3/PPN?PPN=110310810 </url>
matching score assigned by the program	<totalScore>0.860606</totalScore>

2.4 xml and html Bulk Reports

Please go to the OCLC document server for the complete report schemas:

[https://isni.oclc.org:2443/isni/bulk load too many matches/bulk load too many matches.xsd](https://isni.oclc.org:2443/isni/bulk%20load%20too%20many%20matches/bulk%20load%20too%20many%20matches.xsd)

[https://isni.oclc.org:2443/isni/bulk load ISNI not assigned/bulk load ISNI not assigned.xsd](https://isni.oclc.org:2443/isni/bulk%20load%20ISNI%20not%20assigned/bulk%20load%20ISNI%20not%20assigned.xsd)

[https://isni.oclc.org:2443/isni/bulk load assigned ISNIs/bulk load assigned ISNIs.xsd](https://isni.oclc.org:2443/isni/bulk%20load%20assigned%20ISNIs/bulk%20load%20assigned%20ISNIs.xsd)

[https://isni.oclc.org:2443/isni/bulk load too many matches/bulk load too many matches.html](https://isni.oclc.org:2443/isni/bulk%20load%20too%20many%20matches/bulk%20load%20too%20many%20matches.html)

[https://isni.oclc.org:2443/isni/bulk load ISNI not assigned/bulk load ISNI not assigned.html](https://isni.oclc.org:2443/isni/bulk%20load%20ISNI%20not%20assigned/bulk%20load%20ISNI%20not%20assigned.html)

[https://isni.oclc.org:2443/isni/bulk load assigned ISNIs/bulk load assigned ISNIs.html](https://isni.oclc.org:2443/isni/bulk%20load%20assigned%20ISNIs/bulk%20load%20assigned%20ISNIs.html)

3 Notifications

If you have opted to leave your provisional ISNI's on the database for possible future ISNI assignment, you will periodically receive notifications about those records. The notifications will be of matches where a provisional has been promoted to assigned status and 4 types of error: duplicates (where there has been a determination that two of your records are for the same identity), merges (where 2 records have been merged, notifying you of the current ISNI).

3.1 Match

```
<notification>
  <dateTimeOfNotification>17-11-2011
  13:03:27</dateTimeOfNotification>
  <notificationID>110480287:20111117130327</notificationID>
  <localIdentifier>160961393</localIdentifier>
  <identifier>
    <ISNI status="assigned" statusDate="20111117">
      <isniFormatted>ISNI 0000 0001 1048 0288</isniFormatted>
      <isniUnformatted>0000000110480288</isniUnformatted>
    </ISNI>
  </identifier>
  <notificationType>
    <match>
      <matchingData>
        <matchingString>revisionsbedurftigkeit des afg bundesgesetz
        uber die anlagefonds vom 1 juli 1966</matchingString>
        <matchType>title</matchType>
      </matchingData>
      <dataSource>XXXX</dataSource>
      <matchConfidence>1.000000</matchConfidence>
      <matchSource>VIAF</matchSource>
    </match>
  </notificationType>
</notification>
```

Above is an example of a notification that another record has matched with a record on the ISNI database that contains your source symbol and local identifier. As a result of the match, an ISNI has been assigned.

Description	Example
notificationID	String that should be echoed back in a replacement record to indicate that action has been taken on the notification
your identifier	<localIdentifier>160961393</localIdentifier>
The assigned ISNI	<ISNI status="assigned" statusDate="20111117"> <isniFormatted>ISNI 0000 0001 1048 0288</isniFormatted> <isniUnformatted>0000000110480288</isniUnformatted> </ISNI>
Your data on the ISNI database that matched with the incoming data	<matchingString>revisionsbedurftigkeit des afg bundesgesetz uber die anlagefonds vom 1 juli 1966</matchingString>
An indication of the type of data, in this case, a title	<matchType>title</matchType>
Confidence in the match as determined by the program (lowest match score is currently .85; 1.000000 is the highest score)	<matchConfidence>1.000000</matchConfidence>
The source of the incoming data	<matchSource>VIAF</matchSource>

3.2 Duplicate

```
<notification>
  <dateTimeOfNotification>28-11-2011
  18:19:15</dateTimeOfNotification>
  <notificationID>16982830:20111128181915</notificationID>
  <localIdentifier>120485229</localIdentifier>
```

```

<identifier>
  <ISNI status="assigned" statusDate="20111117">
    <isniFormatted> ISNI 0000 0001 1698 2836</isniFormatted>
    <isniUnformatted>0000000116982836</isniUnformatted>
  </ISNI>
</identifier>
<notificationType>
  <error>
    <duplicate>
      <localIDnumber1>120485229</localIDnumber1>
      <localIDnumber2>109814759</localIDnumber2>
      <explanation>assigned ISNI =
        0000000116982836</explanation>
    </duplicate>
  </error>
</notificationType>
</notification>

```

Above is an example of a notification that you have provided 2 records with different local identifiers that have been merged. This notification will also be accompanied by a merge notification (but not all merge notifications will be accompanied by a duplicate notification).

Description	Example
Your local identifier on the merge from record on the ISNI database	<localIDnumber1>120485229</localIDnumber1>
Your local identifier on the merge to record on the ISNI database	localIDnumber2>109814759</localIDnumber2>
The explanation includes the ISNI identifier and status	<explanation>assigned ISNI = 0000000116982836</explanation>

3.3 Merge

```

<notification>
  <dateTimeOfNotification>28-11-2011
  18:19:15</dateTimeOfNotification>
  <notificationID>16982830:20111128181915</notificationID>
  <localIdentifier>120485229</localIdentifier>
  <identifier>
    <ISNI status="assigned" statusDate="20111117">
      <isniFormatted> ISNI 0000 0001 1698 2836</isniFormatted>
      <isniUnformatted>0000000116982836</isniUnformatted>
    </ISNI>
  </identifier>
  <notificationType>

```



```

<error>
  <merge>
    <correctISNI>ISNI 0000 0001 1698 2836</correctISNI>
    <deprecatedISNI>ISNI 0000 0001 1701 2129</deprecatedISNI>
  </merge>
</error>
</notificationType>
</notification>

```

Above is an example of a notification indicating that a record containing your source code has been merged with another record on the database. If the “merge to” record also contains your source code, you will receive a duplicate notification as well.

Description	Example
Your local identifier now on the “merge to” record on the ISNI database	<localIDnumber1>120485229</localIDnumber1>
ISNI identifier of the “merge to” record on the ISNI database	<correctISNI>ISNI 0000 0001 1698 2836</correctISNI>
Former ISNI identifier of the “merge from” record on the ISNI database	<deprecatedISNI>ISNI 0000 0001 1701 2129</deprecatedISNI>

3.4 xsd and html Notifications

Please go to the OCLC document server for the complete schema:

https://isni.oclc.org:2443/isni/ISNI_notification/ISNI_notification.html

https://isni.oclc.org:2443/isni/ISNI_notification/ISNI_notification.xsd

4 Actions to take when ‘no ISNI assigned’

Consult the document *ISNI Web interface Usage Guidelines*-for details on the use of the Web interface to resolve possible duplicates or to enrich provisional ISNI’s.

5 How to fetch the assigned ISNI’s

The URL in the xml records will take you directly to the web enquiry interface. If you wish to receive machine readable output of the full record (minus confidential data) SRU can be used.

<http://isni-m.oclc.org/DB=1.3/PPN?PPN=096471387>

This is the command to access the enquiry interface directly (assuming prior log in). This command accesses the ISNI members' database.

<http://isni-m.oclc.org/sru/username=xxx/password=xxx/DB=1.3/?query=pica.ppn+%3D+096471387&operation=searchRetrieve&recordSchema=isni-e>

This is the command to access the same record via SRU enquiry.

Version	Date	By	Description
1.0	16.12.2011	Janifer Gatenby	First version
1.1	16.07.2012	Janifer Gatenby	Changes to include unformatted ISNI; section on resolution
1.2	18-04-2019	Barbara Rickenmann	Changed links in sections 1-3 from http://isni-m.oclc.nl to http://isni-m.oclc.org Removed all references to the element <isniURI>.
2.0	26-08-2019	Barbara Rickenmann	Replaced schema samples by to OCLC document server with the schema. Added introduction. Removed notification for split and data error
2.1	4-12-2019	Barbara Rickenmann	Changed paragraph sequence and removed duplicate paragraphs