

ISNI Atom Pub API: Guidelines and Examples

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1 Introduction

Requests for ISNI assignment may be made either by submitting a file for batch loading, or by using an online web form or by using a request API.

The ISNI Assignment Request API is using the Atom publishing protocol standard [IETF RFC-5023](#), version 1, October 2007.

Capabilities:

Request an ISNI, an ISNI does not already exist for the identity (as far as the requestor can tell)

- Must include local identifier (requestorIdentifierOfIdentity) and Identity metadata (identity)

Request to add local source code (that is not yet on the ISNI database) to an existing ISNI record

- Must include local identifier (requestorIdentifierOfIdentity) and Identity
- Must include PPN or ISNI in otherIdentifierOfIdentity

Request to replace metadata for an existing ISNI or provisional record (corrections and enrichments)

- Must include local identifier that is already on an ISNI database record
- Must include complete identity metadata (identity)
- The metadata on the ISNI record that has the requestor's source code will be replaced (not that attributed to other sources)

Request to merge two database records

- Must include local identifier
- Must include PPN (or ISNI) and it must match an ISNI database record
- Must include complete identity metadata (identity)
- Must include the merge structure
- If the ISNI record contains the requestor's source code, the metadata on the ISNI record that has the requestor's source code will be replaced (not that attributed to other sources). Otherwise it will be added to the record with the merge field and subsequently to the resulting merged record.

Metadata maintenance is also done via the web interface. See the document [ISNI Data Contributors usage guidelines.docx](#) for further details.



2 Request

The service uses POST. The request consists of 2 parts, the POST header and the CONTENT, called Request.

2.1 Base Address

The base address for this service is <https://isni-m-acc.oclc.nl/ATOM/isni?> . The address is for test runs in the ISNI accept environment.

Before you start your test runs please contact support-nl@oclc.org to whitelist your IP –address.

Before you take the AtomPUB API into production: contact support-nl@oclc.org to make arrangements for reports and invoicing.

2.2 Post Header

Example:

```
POST /ATOM/isni HTTP/1.1
```

```
Connection: TE, close (This line has been generated by a Perl client and is not used by the ISNI Atom Pub catcher)
```

```
Host: isni-m.oclc.nl:80
```

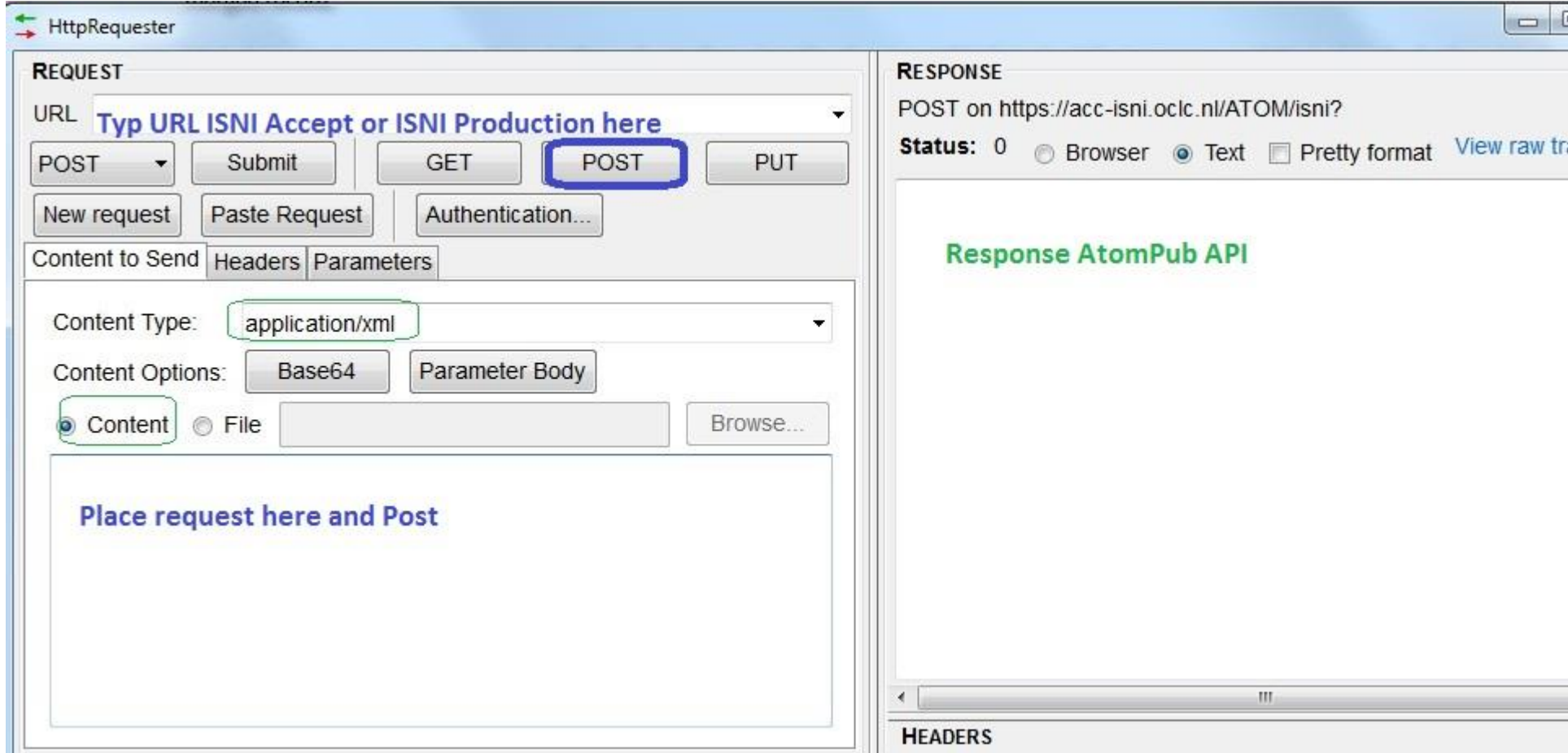
```
User-Agent: libwww-perl/5.823 (This line has been generated by a Perl client and is not used by the ISNI Atom Pub catcher)
```

```
Content-Type: application/atom+xml
```

```
Content-Length: - generated from the content block.
```

Tip :

Use the Firefox Add On HttpRequester for your tests



The screenshot displays the HttpRequester Firefox add-on interface. The 'REQUEST' section includes a URL field with the placeholder text 'Typ URL ISNI Accept or ISNI Production here', a 'POST' method selected, and a 'Content Type' of 'application/xml'. The 'RESPONSE' section shows a successful POST on 'https://acc-isni.oclc.nl/ATOM/isni?' with a status of 0 and the text 'Response AtomPub API' displayed.

2.3 Content

The content begins with <Request> and ends with </Request>. The Request should be in the form of the ISNI assignment request schema [insi request.xsd](#) and [ISNI Request Schema.doc](#)

Example:

```
<Request>
..<requestID>
....<dateTimeOfRequest>2014-05-20T09:09:35.5063705+02:00</dateTimeOfRequest>
....<requestorTransactionId>5340</requestorTransactionId>
..</requestID>
..<identityInformation>
....<requestorIdentifierOfIdentity>
.....<referenceURI>http://www.xxx.org/ourID/13365</referenceURI>
.....<identifier>13365</identifier>
....</requestorIdentifierOfIdentity>
....<otherIdentifierOfIdentity>
.....<identifier>I-002043149-4</identifier>
.....<type>IPI</type>
....</otherIdentifierOfIdentity>
....<identity>
.....<personOrFiction>
.....<personalName>
.....<nameUse>public and private</nameUse>
.....<surname>Baerthel</surname>
.....<forename>Jan</forename>
.....<languageOfName>dut</languageOfName>
.....</personalName>
.....<gender>male</gender>
.....<birthDate>1973-02-05</birthDate>
.....<deathDate>2011-04-29</deathDate>
.....<nationality>ger</nationality>
```

```
.....<nationality>dut</nationality>
.....<resource>
.....<creationClass>literature</creationClass>
.....<creationRole>aut</creationRole>
.....<fieldOfCreation>
.....<fieldType>dewey</fieldType>
.....<fieldOfCreationValue>951.2345</fieldOfCreationValue>
.....</fieldOfCreation>
.....<titleOfWork>
.....<title>Industrielles Bauen: Leitfaden </title>
.....<imprint>
.....<publisher>vdf Hochschulverlag AG</publisher>
.....<date>2002</date>
.....</imprint>
.....<identifier>
.....<identifierValue>9789062334889</identifierValue>
.....<identifierType>ISBN</identifierType>
.....</identifier>
.....</titleOfWork>
.....</resource>
.....<resource>
.....<creationClass>literature</creationClass>
.....<creationRole>aut</creationRole>
.....<titleOfWork>
.....<title> Industrielles Berne </title>
.....<imprint>
.....<publisher>Springerverlag</publisher>
.....<date>2002</date>
.....</imprint>
.....</titleOfWork>
.....</resource>
.....<contributedTo>
.....<titleOfCollectiveWorkOrWorkPerformed>Advances in construction
.....</titleOfCollectiveWorkOrWorkPerformed>
```

```
.....<identifier>
.....<identifierType>ISSN</identifierType>
.....<identifierValue>0165-4683</identifierValue>
.....</identifier>
.....</contributedTo>
.....<personalNameVariant>
.....<nameUse>public</nameUse>
.....<surname>Bärtel</Surname>
.....<forename>Jantje</Forename>
.....</personalNameVariant>
.....</personOrFiction>
....</identity>
....<languageOfIdentity>dut</languageOfIdentity>
....<countriesAssociated>
.....<countryCode>NL</countryCode>
....</countriesAssociated>
....<countriesAssociated>
.....<countryCode>DE</countryCode>
....</countriesAssociated>
....<externalInformation>
.....<information>personal web site</information>
.....<URI>http://www.pipo.uk</URI>
....</externalInformation>
....<note>free text information about the identity</note>
..<isNot identityType=\"personOrFiction\">
....<noISNI>
.....<PPN>126084432</PPN>
.....<personalName>
.....<surname>Barthel</surname>
.....<forename>Janet</forename>
.....</personalName>
....</noISNI>
..<isRelated identityType=\"organisation\">
....<relationType>isAffiliatedWith</relationType>
```

```
....<ISNI>000000007274734X</ISNI>
....<relationQualification>researcher</relationQualification>
....<startDateOfRelationship>2001-09-30</startDateOfRelationship>
..</isRelated>
..<isRelated identityType=\"personOrFiction\">
....<relationType>co-author</relationType>
....<noISNI>
.....<PPN>126084432</PPN>
.....<personalName>
.....<surname>Jones</surname>
.....<forename>Max</forename>
.....</personalName>
....</noISNI>
..</isRelated>
</Request>
```

2.3.1 If you know the ISNI database record to which your data should be added

If you know the ISNI record to which your data should be added then you should include either the PPN or ISNI of that record in your request in the structure `otherIdentifierOfIdentity`. The database record can be either status assigned (A) or status provisional (P).

Example:

```
<Request>
..<requestID>
....<dateTimeOfRequest>2014-05-20T09:09:35.5063705+02:00</dateTimeOfRequest>
....<requestorTransactionId>5340</requestorTransactionId>
..</requestID>
..<identityInformation>
....<requestorIdentifierOfIdentity>
.....<referenceURI>http://www.xxx.org/ourID/13365</referenceURI>
.....<identifier>13365</identifier>
....</requestorIdentifierOfIdentity>
```




```
....<otherIdentifierOfIdentity>  
.....<identifier>140714839</identifier>  
.....<type>PPN</type>  
....</otherIdentifierOfIdentity>  
....<identity>  
.....
```

Note that when you cite a PPN or ISNI in the request, the system only tries to match on it. If it does not find the PPN or ISNI you will get this response:

```
<responseRecord  
  xsi:noNamespaceSchemaLocation="ISNI%20response.xsd"  
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
<requestID>5340</requestID>  
<dateTimeOfResponse>2014-05-20T09:09:35Z</dateTimeOfResponse>  
<noISNI>  
  <reason>invalid data</reason>  
  <information>  
    PPN not found  
    TRACE: 27640_00000001  
  </information>  
</noISNI>  
</responseRecord>
```

3 Response

3.1 POST Header

Example:

```
POST /ATOM/registrationAgency HTTP/1.1
Connection: TE, close (This line has been generated by a Perl client and can be ignored)
Host: <base URL of registrationAgency>
User-Agent: libwww-perl/5.823 (This line has been generated by a Perl client and can be ignored)
Content-Type: application/atom+xml
Content-Length: - generated from the content block.
```

3.2 Content

The content will indicate one of 3 conditions transaction failure, ISNI assignment or transaction success but no ISNI assignment.

3.2.1 Transaction Failure

The Atom Protocol uses the response status codes defined in HTTP to indicate the success or failure of an operation. Consult the HTTP specification [RFC2616](#) for detailed definitions of each status code.

If the system was unable to process the request, this is indicated with, for example, one of the following HTTP messages:

401 – Unauthorized is used for IP addresses that are not yet whitelisted.

503 - Service unavailable is used if either the ISNI Atom Pub catcher server or one of its components is down.



504 – Gateway timeout.

In these cases case there is no Content, no metadata returned.

406 – Non acceptable is used for errors in the xml structure.

In these cases case there is no Content, no metadata returned.

200 – OK is used when the request is processed by the server.

In this case Content is returned in a Response Record.

3.2.2 Record success – ISNI assigned

The Response will be in the form of the ISNI assignment response schema [insi response.xsd](#) and [ISNI Response schema.doc](#)

The response includes the following groups of data elements:

- ISNI
- Metadata relating to the identity that is not restricted
- Matching details – details of your data that has matched with ISNI metadata
- Sources – Class, role and URI of other sources sharing the ISNI

An ISNI is assigned where:

- The data matches confidently with a record already on the ISNI database or
- The data is valid and does not have possible matches needing resolution and is not sparse and rich enough

The rules for sparse data are stricter for common surnames. Definitions of sparse records and rich records can be found in the document [ISNI Data Quality Policy](#).



Example:

```
<responseRecord>
  ..<requestID>5340</requestID>
  ..<dateTimeOfResponse>2014-05-20T09:09:36.43063705+02:00</dateTimeOfResponse>
  ..<requestorIdentifierOfIdentity>13365</requestorIdentifierOfIdentity>
  ..<ISNIAssigned>
    ....<isniFormatted>ISNI 0000 0001 3333 4444 555X</isniFormatted>
    ....<isniUnformatted>0000000133334444555X<isniUnformatted>
    ....<isniURI>http://www.isni.org/0000000133334444555X<isniURI>
    ....<dataConfidence>60</dataConfidence>
    ....<ISNIMetadata>
      .....<identity>
        .....<personOrFiction>
          .....
          .....
        .....</personOrFiction>
      .....</identity>
    .....<sources>
      .....<codeOfSource>VIAF</codeOfSource>
      .....<sourceIdentifier>123234345</sourceIdentifier>
      .....<reference>
        .....<URI>http://viaf.org/123234345</URI>
        .....</reference>
      .....</sources>
    ....</ISNIMetadata>
  ....<matches>
    .....<matchData>
      .....<matchDataType>ISBN</matchDataType>
      .....<matchDataString>9789062334889</matchDataString>
      .....</matchData>
      .....<matchConfidence>.99</matchConfidence>
      .....<dateTimeOfMatch>2014-05-20T09:09:36.430630000+02:00</dateTimeOfMatch>
```



```
...</matches>  
..</ISNIAssigned>  
</responseRecord>
```

3.2.3 Transaction success but ISNI not assigned

An ISNI is not assigned in the case of sparse data, erroneous data or possible matches needing resolution. The ISNI database will not be updated, instead the request response will include details enabling the request to be changed and re-submitted.

3.2.3.1 Sparse and erroneous data

In the case of incomplete data termed sparse, additional data should be supplied and the request should be re-submitted.

Example responses:

Case: [Request metadata was sparse](#)

```
<responseRecord  
  xsi:noNamespaceSchemaLocation="ISNI%20response.xsd"  
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
  <requestID>text</requestID>  
  <dateTimeOfResponse>2015-12-02T10:17:41Z</dateTimeOfResponse>  
  <noISNI>  
    <reason>invalid data</reason>  
    <information>  
      Sparse non-common name  
      TRACE: 13929_00000010  
    </information>  
  </noISNI>  
</responseRecord>
```

Case: Request for a person without surname (validation error):

```
<responseRecord
  xsi:noNamespaceSchemaLocation="ISNI%20response.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <requestID>text</requestID>
  <dateTimeOfResponse>2015-12-02T10:17:41Z</dateTimeOfResponse>
  <noISNI>
    <reason>invalid data</reason>
    <information>
      028C/00$a is mandatory
      TRACE: 13929_00000009
    </information>
  </noISNI>
</responseRecord>
```

In these cases, the record needs to be corrected or enhanced and the request re-submitted.

3.2.3.2 Metadata not matching and not following ISNI assignment rules

Case: Request Metadata was not sparse but not rich, but not unique and did not match:

```
<responseRecord>
  <noISNI>
    <reason>no match initial database</reason>
  </noISNI>
  <information>
    data not accepted
  </information>
</responseRecord>
```

Note that it is advisable to include rich metadata to avoid this case. The metadata should be enriched and the request should be re-submitted.

3.2.3.3 Possible matches

If the database record contains a possible match, the record cannot be assigned until the possible match field has been resolved. In this case, the request response indicates the possible match details, enabling you to process a new request in the form of a merge request containing both the possible match resolution and your data. See Section 5.

Example response:

```
<responseRecord>
  <noISNI>
    <PPN>394040481</PPN>
    <reason>possible match cannot be assigned</reason>
    <possibleMatch>
      <PPN>390926949</PPN>
      <evaluationScore>60.000</evaluationScore>
      <source>VIAF#PERSON</source>
      <mergeInstruction>P</mergeInstruction>
    </possibleMatch>
  </noISNI>
  <information>
    data not accepted
  </information>
</responseRecord>
```

4 Replace metadata

The ISNI assignment request can also be used to replace metadata for an existing ISNI or to upgrade a provisional record. This is useful for making corrections and enrichments.

- Must include local identifier that is already on an ISNI database record
- Must include complete identity metadata (identity)
- The metadata on the ISNI record that has the requestor's source code will be replaced (not that attributed to other sources)
- If the database record contains a possible match field, then the incoming data must include a merge structure and a PPN / ISNI to resolve the possible match (see Section 5).

In the case of a provisional record being upgraded by rich incoming data, the record will become assigned EXCEPT if the database record contains an unresolved possible match. Therefore, the request needs to include the merge structure (see Section 5).

There is no difference between this request and a request for new assignment. The ISNI metadata given (identityInformation – identity) must be complete as it is used to replace existing data in the case of a match on local id (requestorIdentifierOfIdentity).

Example:

```
..
```

5 Request a merge

The request to merge facility allows you to request the merge of duplicates on the ISNI database. Only use the merge structure if you need to merge 2 existing records on the ISNI database. If you want to add your data to an existing record, see section 2.3.1. There are two cases:

- The two database records **have not** already been identified as duplicates and there is no possible match field on either record (038L / 77A field). The AtomPub request will include the merge structure that will generate a possible match field in the record indicated. The merge process is intricate involving several processes including a decision table of which ISNI to assign, which fields to merge, additional validation after the merge, addition of notification fields to all sources and addition of data protection fields to ensure that the record is

not subsequently partially overwritten. Lots of records may be linked to the record that is being erased from the database. Each of these records must be re-linked to the remaining record. For this reason the actual merge does not happen interactively but will happen the next time that the merge background job runs (currently twice a day).

If you have data on the record to which you are adding the possible match field (merge instruction), then that data will be replaced in full. If you do not already have data on the record then then it will be added. Therefore your metadata for the identity must be complete in the merge request.

You may also add a possible match field without resolving the match, indicating that manual review is needed. It is envisaged that this will be rarely used.

- One or both database records has been identified and contains a possible match field. The AtomPub request will enable the processing code of this field to be changed such that the record will be merged the next time that the merge background job is run. To avoid making duplicate assigned ISNIs, the system will not allow a provisional record with a possible match to become assigned. Therefore it is necessary to resolve possible matches. Your merge request will replace all unresolved possible match fields that may exist on the record.

If you have data on the record for which you are resolving the possible match field (merge instruction), then that data will be replaced in full. If you do not already have data on the record then then it will be added. Therefore your metadata for the identity must be complete in the merge request.

The merge facility also allows you to indicate that 2 database records are not duplicates. In this case the mergeInstruction will contain the value “N”. The incoming merge request will overwrite all existing possible match fields on a database record. Therefore this facility is used to remove possible match fields on a database record, which are preventing ISNI assignment, where they are false. The value “N” should **NOT** be used where there are no possible match fields on the database record.

A merge request

- Must include a mergeInstruction (M = Merge, P = add possible match field that will need manual review, N = not equal)
- Must include PPN (or ISNI) and it must match an ISNI database record
- Must include a local identifier
- Must include complete identity metadata (identity)
- Must include the merge structure
- If the ISNI record contains the requestor’s source code, the metadata on the ISNI record that has the requestor’s source code will be replaced (not that attributed to other sources). Otherwise it will be added to the record with the merge field and subsequently to the resulting merged record.

Note that for merge requests the system uses the PPN / ISNI for finding the database record, not the local identifier (CN). There is a risk that the local identifier could be duplicated if it is already on a different ISNI record. It is the contributor's responsibility to verify the correspondence between the ISNI and the local identifier.

Example responses:

5.1 Case: Request to merge a provisional ISNI with mergeInstruction M and neither record previously had a possible match field

```
<responseRecord>
  <noISNI>
    <PPN>403137381</PPN>
    <reason>possible match cannot be assigned</reason>
    <possibleMatch>
      <PPN>039482480</PPN>
      <source>BNF#PERSON</source>
      <mergeInstruction>M</mergeInstruction>
    </possibleMatch>
  </noISNI>
  <information>
    ---&gt; 403137381
  </information>
</responseRecord>
```

The reply noISNI is given because the ISNI of the modified record is not yet assigned. It may or may not be assigned after the next background job is run; it may also have been deleted. The information field indicates the PPN of the record that has been modified. There is no need to resubmit the request. A notification field will be generated to advise you of the ISNI. A web or SRU enquiry can be used to see the ISNI status after the next run of the merge background job (currently run daily at 12:00 and 17:00 Western European time).

5.2 Case: Request to merge an assigned ISNI with mergeInstruction M where an existing possible match field is being resolved

```
<responseRecord>
  <ISNIAssigned>
    <isniUnformatted>0000000388628515</isniUnformatted>
    <isniURI>http://isni.org/isni/0000000388628515</isniURI>
    <dataConfidence>50</dataConfidence>
    <ISNIMetadata>
      (metadata of merged record)
      <sources>
        <codeOfSource>BNF</codeOfSource>
        <sourceIdentifier>12345</sourceIdentifier>
      </sources>
    </ISNIMetadata>
    <possibleMatch>
      <PPN>140714839</PPN>
      <source>BNF#PERSON</source>
      <mergeInstruction>M</mergeInstruction>
    </possibleMatch>
  </ISNIAssigned>
  <information>
    Invalid code 'pm' in 032C/00$a; allowed codes: AC, AG, AP, AS, AT, CD, CG, CM, CP, CT, DA, DG, DS, DW, EB, EJ, EM, EP, ET, FA, FD, IN, JO, LY,
    MC, MD, MS, PC, PD, PH, PR, PW, RE, ST, WP
    ---&gt; 388628510
  </information>
</responseRecord>
```

In this case ISNI of the modified record is assigned. If the ISNI of its duplicate is also assigned, then this record may be deleted during the next background job run. It also shows the merge instruction given in the request. Note that it also contains a validation warning for one of the records. It is safe to ignore this information.

5.3 Case: Request to merge with mergeInstruction M but merge refused because of invalid data

```
<responseRecord
  xsi:noNamespaceSchemaLocation="ISNI%20response.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <requestID>text</requestID>
  <dateTimeOfResponse>2015-12-02T10:17:41Z</dateTimeOfResponse>
  <noISNI>
    <reason>invalid data</reason>
    <information>
      merge request requires otherIdentifierOfIdentity of type PPN/ISNI
      TRACE: 13929_00000008
    </information>
  </noISNI>
</responseRecord>
```

In this case above, the merge has been refused because essential information (PPN or ISNI) is missing in the request. The detail of the reason is given in the field <information>. The request will also be rejected in the case of invalid data in the metadata in the request. The request data should be corrected and resubmitted.

5.4 Case: Request to merge a provisional ISNI with mergeInstruction P

```
<responseRecord>
  <noISNI>
    <PPN>403137381</PPN>
    <reason>possible match cannot be assigned</reason>
    <possibleMatch>
      <PPN>039482480</PPN>
      <source>BNF#PERSON</source>
      <mergeInstruction>P</mergeInstruction>
    </possibleMatch>
  </noISNI>
```



```
<information>
  ---&gt; 403137381
</information>
</responseRecord>
```

The reply noISNI is given because the ISNI of the modified record is not assigned. The merge instruction P will not evoke the merge background job; no action will be taken by the system until the record has been manually accessed and the merge resolved.

5.5 Case: Request to merge a provisional ISNI with mergeInstruction N

```
<responseRecord>
  <noISNI>
    <PPN>403137381</PPN>
    <reason>possible match cannot be assigned</reason>
    <possibleMatch>
      <PPN>039482480</PPN>
      <source>BNF#PERSON</source>
      <mergeInstruction>N</mergeInstruction>
    </possibleMatch>
  </noISNI>
  <information>
    ---&gt; 403137381
  </information>
</responseRecord>
```

The reply noISNI is given because the ISNI of the modified record is not yet assigned and the possible match field has not yet been resolved. It will occur after the next background job is run. The ISNI request should be resubmitted after the next run of the background job (currently run at 12:00 and 17:00 Western European time). The resubmitted request should **NOT** contain the merge structure.

6 ANNEX Sample records

Request for an ISNI, an ISNI does not already exist for the identity (as far as the requestor can tell)

```
<Request>
  <requestID>
    <dateTimeOfRequest>2014-09-25T13:40:22</dateTimeOfRequest>
    <requestorTransactionId>OCLCTEST</requestorTransactionId>
  </requestID>
  <identityInformation>
    <requestorIdentifierOfIdentity>
      <identifier>addyouridentifier</identifier>
      <referenceURI>www.oclc.org</referenceURI>
    </requestorIdentifierOfIdentity>
    <identity>
      <personOrFiction>
        <personalName>
          <nameUse>public and private</nameUse>
          <surname>AddnewsurnamenotyetinISNI</surname>
          <forename>Addnewforname</forename>
        </personalName>
        <gender>male</gender>
        <birthDate>1901-01-22</birthDate>
        <deathDate>1933-01-17</deathDate>
        <nationality>GB</nationality>
        <resource>
          <creationClass>cre</creationClass>
          <creationRole>aut</creationRole>
          <titleOfWork>
            <title>Add a title</title>
          </titleOfWork>
        </resource>
      </personOrFiction>
    </identity>
```



```
</identityInformation>  
</Request>
```

Request to add local source code (that is not yet on the ISNI database) to an existing ISNI record

```
<Request>  
  <requestID>  
    <dateTimeOfRequest>2014-09-25T13:40:22</dateTimeOfRequest>  
    <requestorTransactionId>OCLCTEST</requestorTransactionId>  
  </requestID>  
  <identityInformation>  
    <requestorIdentifierOfIdentity>  
      <identifier>mylocalidentifier123</identifier>  
      <referenceURI>www.oclc.org</referenceURI>  
    </requestorIdentifierOfIdentity>  
  <otherIdentifierOfIdentity>  
    <identifier>034190260</identifier>  
    <type>PPN</type>  
  </otherIdentifierOfIdentity>  
  <identity>  
    <personOrFiction>  
      <personalName>  
        <nameUse>public and private</nameUse>  
        <surname>Addnewname</surname>  
        <forename>Addnewforname</forename>  
      </personalName>  
      <gender>male</gender>  
      <birthDate>1963</birthDate>  
      <nationality>GB</nationality>  
    <resource>  
      <creationClass>cre</creationClass>  
      <creationRole>aut</creationRole>  
      <titleOfWork>
```

```
<title>Add titel of a work</title>
</titleOfWork>
</resource>
</personOrFiction>
</identity>
</identityInformation>
</Request>
```

Request to replace metadata for an existing ISNI or provisional record; Step 1: add source to database with status legal deposit

```
<Request>
<requestID>
<dateTimeOfRequest>2014-09-25T13:40:22</dateTimeOfRequest>
<requestorTransactionId>anythingoes</requestorTransactionId>
</requestID>
<identityInformation>
<requestorIdentifierOfIdentity>www.oclc.org <referenceURI>
<identifier>1q1q1q1xx</identifier>
<specialStatus>legal deposit</specialStatus>
</requestorIdentifierOfIdentity>
<identity>
<personOrFiction>
<personalName>
<nameUse>public and private</nameUse>
<surname>Mullermuller</surname>
<forename>Mirellamirella</forename>
</personalName>
<gender>female</gender>
<birthDate>1999</birthDate>
<nationality>IT</nationality>
<resource>
<creationClass>cre</creationClass>
```




```
<creationRole>aut</creationRole>
<titleOfWork>
<title>Great pottery throw down</title>
</titleOfWork>
</resource>
</personOrFiction>
</identity>
</identityInformation>
</Request>
```

Request to replace metadata for an existing ISNI or provisional record; Step 2: Delete status 'legal deposit' from database

```
<Request>
<requestID>
<dateTimeOfRequest>2014-09-25T13:40:22</dateTimeOfRequest>
<requestorTransactionId>anything</requestorTransactionId>
</requestID>
<identityInformation>
<requestorIdentifierOfIdentity>www.oclc.org</referenceURI>
<identifier>1q1q1q1xx</identifier>
</requestorIdentifierOfIdentity>
<identity>
<personOrFiction>
<personalName>
<nameUse>public and private</nameUse>
<surname>Mullermuller</surname>
<forename>Mirellamirella</forename>
</personalName>
<gender>female</gender>
<birthDate>1999-12-10</birthDate>
<nationality>IT</nationality>
<resource>
<creationClass>cre</creationClass>
<creationRole>aut</creationRole>
<titleOfWork>
```



```
<title>Great pottery throw down</title>
</titleOfWork>
</resource>
</personOrFiction>
</identity>
</identityInformation>
</Request>
```

Request to merge 2 database records

```
<Request>
  <requestID>
    <dateTimeOfRequest>2014-09-25T13:40:22</dateTimeOfRequest>
    <requestorTransactionId>riennevaplus</requestorTransactionId>
  </requestID>
  <merge>
    <mergeToPPN>058447059</mergeToPPN>
    <mergeInstruction>M</mergeInstruction>
  </merge>
  <identityInformation>
    <requestorIdentifierOfIdentity>
      <identifier>15968628</identifier>
      <referenceURI>www.oclc.org</referenceURI>
    </requestorIdentifierOfIdentity>
    <otherIdentifierOfIdentity>
      <identifier>057115451</identifier>
    </otherIdentifierOfIdentity>
    <type>PPN</type>
  </otherIdentifierOfIdentity>
  <identity>
    <personOrFiction>
      <personalName>
        <nameUse>public and private</nameUse>
        <surname> Ogie</surname>
```

```
<forename>Syôto</forename>
</personalName>
<gender>male</gender>
<birthDate>1908</birthDate>
<nationality>JP</nationality>
<resource>
  <creationClass>cre</creationClass>
  <creationRole>aut</creationRole>
  <titleOfWork>
    <title>Mijika-yo</title>
  </titleOfWork>
</resource>
</personOrFiction>
</identity>
</identityInformation>
</Request>
```

Request to merge 2 database records and to deprecate 1 local ID

```
<Request>
<requestID>
<dateTimeOfRequest>2014-09-25T13:40:22</dateTimeOfRequest>
<requestorTransactionId>anythinggoesagain</requestorTransactionId>
</requestID>
<merge>
<mergeToPPN>433557192</mergeToPPN>
<mergeInstruction>M</mergeInstruction>
</merge>
<identityInformation>
<requestorIdentifierOfIdentity>
<deprecatedLocalIdentifier>13893588</deprecatedLocalIdentifier>
```

```
<identifier>13880774</identifier>
<referenceURI>www.oclc.org</referenceURI>
</requestorIdentifierOfIdentity>
<otherIdentifierOfIdentity>
<identifier>114769958</identifier>
<type>PPN</type>
</otherIdentifierOfIdentity>
<identity>
<personOrFiction>
<personalName>
<nameUse>public and private</nameUse>
<surname>Gaeta</surname>
<forename>Antonella</forename>
</personalName>
<gender>female</gender>
<birthDate>1954</birthDate>
<nationality>IT</nationality>
<resource>
<creationClass>cre</creationClass>
<creationRole>aut</creationRole>
<titleOfWork>
<title>Radio France</title>
</titleOfWork>
</resource>
</personOrFiction>
</identity>
</identityInformation>
</Request>
```

Version	Date	Comment
1.0	2012-06-20	Janifer Gatenby
1.1	2012-07-17	Janifer Gatenby - aligned with 1.4 of request schema
1.2	2012-07-27	Response example updated to be in line with 1.4 of response schema
2.0	2015-11-27	Added merge capability and metadata replacement; aligned with 2.2 of request schema
2.1	2015-12-08	Added response examples
2.2	2015-12-10	Barbara Rickenmann : added error messages; added response examples; added annex with sample records; Http requester tips; changed server address; added email addresses for support and access to production ISNI.
2.3	2015-12-11	Janifer Gatenby: Corrected hyperlinks; added 3.2.3.2 Metadata not matching and not following ISNI assignment rules; added hyperlink to ISNI Data Quality Policy for definition of sparse and rich; other small changes