About Technical Bulletin 252

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</tr>
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Why read this?

To learn about changes to OCLC-MARC records based on:

- MARC 21 Format for Bibliographic Data Update 5 (October 2004)
- MARC 21 Format for Bibliographic Data Update 4 (October 2003)
- MARC 21 Format for Bibliographic Data Update 3 (October 2002)
- MARC 21 Format for Bibliographic Data Update 2 (October 2001)
- MARC 21 Format for Authority Data Update 5 (October 2004)
- MARC 21 Format for Authority Data Update 4 (October 2003)
- MARC Code List Technical Notices
- Comments and requests from OCLC users and staff

Record processing information

All sections describe changes that may affect local system processing of OCLC-MARC records.

Route to

Cataloging and local system or automation staff.

Online Installation

May-June 2006. Installations of this OCLC-MARC Update will occur in stages, which OCLC will announce via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

OCLC strongly recommends that users not begin to use new capabilities, new fields and subfields, new indicators, new practices, new codes, and new characters until OCLC announces that they may be used. Note that, as OCLC converts data, users may encounter instances of these new data.

New searching and indexing capabilities: With the exceptions and Connexion interface differences noted in this Technical Bulletin, all new searching and indexing capabilities can be used in all Connexion interfaces beginning with the Connexion
host installation in May 2006. Note that, as OCLC converts data, searches that include
the qualifiers for Continuing Resources, Integrating Resources, and Serials may not
retrieve complete results sets.

**New practices for Integrating Resources, including the use of BLvl i:** These
should be implemented in all Connexion interfaces when announced by OCLC in June
2006.

**New fields, subfields, and indicators:** These may be used in all Connexion interfaces
when announced by OCLC in June 2006.

**New codes:** These may be used in all Connexion interfaces when announced by
OCLC in June 2006. In Connexion client 1.50, new codes will not appear in dropdown
lists, but can be input manually.

**New characters:** These may be used in all Connexion interfaces when announced by
OCLC in June 2006, subject to the revision of Library of Congress Rule Interpretation
1.0E where appropriate. As OCLC converts data, users may encounter the new
characters.

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**Summary of Connexion differences**

For a summary of the differences among the Connexion interfaces, see the first section
in chapter 8, “Differences among Connexion interfaces.”

**Upgrade to Connexion client 1.60**

To take full advantage of the new capabilities that will be available in Connexion
client 1.60 and to avoid the limitations of client 1.50, users are strongly encouraged to
switch from 1.50 to 1.60 as soon as 1.60 is released in June 2006.

**Data conversion**

Some data conversions and other changes will not be completed until after the release
of Connexion client 1.60 in June 2006. To the extent possible, these are noted in this
Technical Bulletin and include (but are not limited to):

- Conversion of records that can be safely identified as Integrating Resources will
  continue after the end of June 2006

- Conversion of the following characters, when safely identifiable, will continue after
  the end of June 2006:
  - Alif: Change of Unicode value from 02BE to 02BC
  - Musical Sharp: Conversion of pound sign (#) into sharp, where appropriate
  - Degree Sign: Conversion of superscript zero (⁰) into degree sign, where
    appropriate.

- Conversion of ISSN codes from Continuing Resources 008/20 and 006/03 to field
  022 subfield ‡2 will continue after the end of June 2006.

- Implementation of new validation rules for field 024 in both bibliographic and
  authority records (July 2006).

- Implementation of a new phrase index (mi=) for Musical Incipits (field 031
  subfield ¶p) will be phased in during 2006:
  - In Connexion client 1.50 (May 2006) and Connexion client 1.60 (June 2006), the
    Musical Incipits phrase index (mi=) will not be available.
  - In Connexion browser, the Musical Incipits phrase index (mi=) will be available
    in the browse dialog and as a command line browse beginning in May 2006.
  - The Musical Incipits phrase index (mi=) will be available in the browse dialog
    and as a command line browse in Connexion client 1.70, later in 2006.
<table>
<thead>
<tr>
<th>Database scans</th>
<th>OCLC will convert obsolete data to its appropriate new format to the extent that is safely possible.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support</td>
<td>Contact your OCLC regional service provider or the user training development manager at OCLC if you are an independent institution.</td>
</tr>
<tr>
<td></td>
<td>Contact OCLC for support in English, Spanish and Portuguese. Hours:</td>
</tr>
<tr>
<td></td>
<td>7:00 am–9:00 pm U.S. Eastern time, Monday through Friday</td>
</tr>
<tr>
<td></td>
<td>USA: 1-800-848-5800</td>
</tr>
<tr>
<td></td>
<td>International: 1-614-793-8682</td>
</tr>
<tr>
<td></td>
<td>E-mail: <a href="mailto:support@oclc.org">support@oclc.org</a></td>
</tr>
<tr>
<td>Documentation affected</td>
<td><em>Authorities User Guide, Bibliographic Formats and Standards, OCLC Input Standards Tables, Connexion browser Help, Connexion client Help, OCLC-MARC Records and Searching WorldCat Indexes</em></td>
</tr>
<tr>
<td>Conventions</td>
<td>Throughout the technical bulletin, R = Repeatable and NR = Nonrepeatable.</td>
</tr>
</tbody>
</table>
1 New Coding Practice for Integrating Resources

Completion of OCLC support for 2002 AACR2 revisions about integrating resources

Background

In the OCLC-MARC Format Update 2002, announced in Technical Bulletin 247 and implemented in December 2002, OCLC began to phase in support for the 2002 revisions to AACR2 related to integrating resources. With this 2006 Update, OCLC will complete the phasing in of this support.

The 2002 revision of AACR2 renamed chapter twelve from Serials to Continuing Resources. With this Update, OCLC is now implementing this change. Continuing Resources is now the larger category. This means that record creation and searching have changed.

Record creation

When you create records for textual serials and textual integrating resources, you now use the Continuing Resources (formerly Serials) workform. This change also applies to the constant data workforms for textual serials and textual integrating resources. Continue to use the 006 field for Continuing Resources (formerly Serials) to create 006 fields for non-textual serials and non-textual integrating resources.

Searching

New search limiters for Continuing Resources and Integrating Resources can be used in command line searches and in drop-down lists.

- Continuing Resources retrieves both Serials and Integrating Resources
- Serials and Integrating Resources can each be used as more specific limiters (each retrieves a different set of search results)
- Search results for Integrating Resources
  - In brief record displays, records with Type a BLvl i will be identified with [INTEGRATING RESOURCE]
  - In group displays, records with Type a BLvl i will appear under the heading “Textual Integrating Resources.”

Connexion client 1.50

Searching has also changed in Connexion client 1.50.

New search limiters cnr (Continuing Resources) and int (Integrating Resources) can be used only in command line searches.

- In command line searches, ser will retrieve only (traditional) Serials, and will not include Integrating Resources; int will retrieve only textual Integrating Resources; cnr will retrieve all records in both the ser and int categories.
- When qualifying searches using the format dropdown list on the WorldCat Search dialog, “Serials” will retrieve only (traditional) Serials; neither Integrating Resources nor Continuing Resources is an option in the dropdown list.
- Search results for Integrating Resources
  - In brief record displays, records with Type a BLvl i will be identified with [INTEGRATING RESOURCE]
  - In group displays, records with Type a BLvl i will be grouped together, but the format heading “Textual Integrating Resources” will not be present in the display.
As part of the 2006 Update, OCLC will implement BLvl code \( i \). When implementation is complete, OCLC users should cease following the interim coding guidelines for integrating resources that appear in Technical Bulletin 247. Instead, begin to follow the correct coding for integrating resources, given below.

Note: The OCLC document Cataloging Electronic Resources: OCLC-MARC Coding Guidelines will be revised to reflect the new guidelines.

## Guidelines for integrating resources

### Type code
Continue to assign the Type code appropriate to the most significant aspect of the resource. For example, assign Type code \( a \) for language material.

### BLvl i
Use BLvl \( i \) for integrating resources.

### Language material integrating resources

For language material integrating resources (Type \( a \), BLvl \( i \)), code the fixed field elements as follows:

- **DtSt**: For integrating resources that are currently published, use code \( c \) (rather than the former practice of code \( m \)). For integrating resources that have ceased publication, use code \( d \) (rather than the former practice of code \( m \)).
- **Form**: For electronic integrating resources, continue to use code \( s \) in Form.
- **Freq and Regl**: If the integrating resource is truly “continuously updated” (for instance, a constantly updating database, a newspaper's Web site that gets updated as news occurs, etc.), use the Frequency Code \( k \), which means “the item is updated more frequently than daily;” in that case, the correct Regularity code is likely to be \( r \) for Regular. More commonly, when the resource is updated less frequently than daily and none of the other Frequency codes apply, use blank (\( b \)) for Frequency and \( x \) for Regularity.
- **S/L**: Use code \( 2 \) to indicate that the record was formulated using the revised rules for integrated entry.
- **SrTp**: Use code \( d \) for updating databases, code \( l \) for updating loose-leafs, or code \( w \) for updating Web sites, as appropriate.

### Electronic integrating resources

For electronic integrating resources, continue to include a computer file 006 and a computer file 007 field. For a language material integrating resource, the typical computer file 006 and 007 fields will be coded as follows:

- **COM 006**: Type: \( m \) Audn: \( \) File: \( d \) GPub:
- **COM 007**: \( c \) \( \$b \) \( \$d \) \( c \) \( \$e \) \( n \)

### New Genre for Dublin Core

When creating Dublin Core records for electronic textual integrating resources, use the OCLC Genre “Textual data, updating.”

### Conversion of existing records

Existing records for integrating resources will be converted to the new practices in all cases where OCLC can safely determine that a conversion is appropriate and possible. Records that were created in accordance with OCLC’s interim practices for integrating resources will be the safest to convert. OCLC will announce progress on the conversion following the implementation of this OCLC-MARC Update. When the conversions are complete, users should report unconverted records to OCLC through the usual change reporting methods.
CONSER and Enhance participants will share responsibilities for maintaining BLvl i records:

- CONSER authorizations will be able to change non-authenticated Type a records with BLvl b or s to BLvl i and vice versa
- CONSER authorizations will be able to change Type a records with BLvl m to BLvl i

Until CONSER issues guidelines on the treatment of BLvl i, CONSER participants will not be able to change Type a BLvl b or s CONSER-authenticated records to BLvl i.

National Level Enhance:

- National Level Enhance authorizations for Books format will be able to change Type a records with BLvl a, c, d, or m to BLvl i and vice versa
- National Level Enhance authorizations for non-book formats will be able to change the BLvl of records in their specific format freely

Regular Enhance:

- Regular Enhance authorizations for Books format will be able to change Type a records with BLvl a, c, d, or m to BLvl i and vice versa, subject to the same Encoding Level and field 042 restrictions already in place.
- Regular Enhance authorizations for non-book formats will be able to change the BLvl of records in their specific format freely, subject to the same Encoding Level and field 042 restrictions already in place.

Database Enrichment rules remain unchanged, with BLvl i records subject to the existing rules.

Minimal-Level Upgrade will continue to allow changes of BLvl only within the same bibliographic format, except:

- In records with Type Codes a or t, BLvl a, c, d, or m can be changed to BLvl i.
- In records with Type Code a and BLvl b or s, the BLvl can be changed to BLvl i.

All authorization levels will continue to be able to create new records with any BLvl.
2 Bibliographic Record Changes

BLvl Bibliographic Level (Leader/07)

New value  i Integrating resources

New coding practices  See Guidelines for integrating resources on page 5

Indexing  Indexing is being adjusted to allow for retrieval at the broadest level, Continuing Resources, and at the more specific levels, Serials and Integrating Resources.

Conversion of existing records  See Conversion of existing records on page 5

Format indexes  Integrating Resources (int) is being added to the format index and as a command line slash qualifier. Integrating Resources (int) retrieves different results from those of Serials (ser). Both Integrating Resources (int) and Serials (ser) are included in the Continuing Resources (cnr) index.

Material type index  Material type int is defined for integrating resources.

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of record</td>
<td>Bib Level</td>
<td>006/04 Note</td>
</tr>
<tr>
<td>Leader/06</td>
<td>Leader/07</td>
<td></td>
</tr>
<tr>
<td>Integrating resource</td>
<td>int</td>
<td>any i</td>
</tr>
<tr>
<td>Integrating resource</td>
<td>int</td>
<td>s and SER 006/04 SrTp is d, l, or w</td>
</tr>
<tr>
<td>Integrating resource</td>
<td>int</td>
<td>a, t s, b s and SER 008/21 SrTp is d, l, or w</td>
</tr>
<tr>
<td>Serial</td>
<td>ser</td>
<td>any s, b s and SER 006/04 SrTp is not d, l, or w</td>
</tr>
<tr>
<td>Serial</td>
<td>ser</td>
<td>any s, b s and SER 006/04 SrTp is not d, l, or w</td>
</tr>
<tr>
<td>Continuing resource</td>
<td>chr</td>
<td>any s, b, l</td>
</tr>
<tr>
<td>Continuing resource</td>
<td>chr</td>
<td>s</td>
</tr>
</tbody>
</table>

Connexion client 1.50  The drop-down list in the Bibliographic Level fixed field will not include new code i. You may input the new code manually.
ISSN ISSN Center (CNR 008/20; CNR 006/03)

Obsolete fixed field

ISSN: Continuing resources 006/03 Obsolete. Do not use. Data currently in this field will be transferred to 022 ‡2.
ISSN: Continuing resources 008/20 Obsolete. Do not use. Data currently in this field will be transferred to 022 ‡2.

Conversion of existing records

ISSN (Continuing Resources 008/20 & 006/03) will be deleted from the Continuing Resources records and displays. Existing data will be converted and display in field 022 subfield ‡2.

Connexion client 1.50

The ISSN fixed field element will remain in the Serials workform, but the only valid value will be blank (b). Any existing ISSN value will be converted to field 022 ‡2 as the record is displayed, when appropriate.

Part Music Parts (SCO & REC 008/21; SCO & REC 006/04)

New fixed field and default values

Part: Score 006/04b
Part: Score 008/21b
Part: Sound recording 006/04n
Part: Sound recording 008/21n

Values

b No parts in hand or not specified
d Instrumental and vocal parts
e Instrumental parts
f Vocal parts
n Not applicable
u Unknown

Connexion client 1.50

In client 1.50, Part will not appear in the Music fixed field or 006 for Scores or Sound Recordings.
- If a Replace is performed, any value in Part (whether added in client 1.60 or browser) will be preserved in the master record.
- If an Export is performed, Part will appear as blank (b) in the exported record.
- If an Update is performed, any value in Part (whether added in client 1.60 or browser) will be preserved in the archive record.

Relf Relief (MAP 008/18-21; MAP 006/01-04)

Obsolete value

h Obsolete. Do not use. Replaced by code c.

Conversion of existing records

Any remaining codes h are being converted to code c.

Connexion client 1.50

Code h will remain in the Relf fixed field drop-down list, but records containing it will not pass OCLC validation.
TrAr Transposition and Arrangement (SCO & REC 008/33; SCO & REC 006/16)

New fixed field and default values

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TrAr</td>
<td>Score 006/16b</td>
</tr>
<tr>
<td></td>
<td>Score 008/33b</td>
</tr>
<tr>
<td></td>
<td>Sound recording 006/16n</td>
</tr>
<tr>
<td></td>
<td>Sound recording 008/33n</td>
</tr>
</tbody>
</table>

Values

- b Not arrangement or transposition or not specified
- a Transposition
- b Arrangement
- c Both transposed and arranged
- n Not applicable
- u Unknown

Connexion client 1.50

In client 1.50, TrAr will not appear in the Music fixed field or 006 for Scores or Sound Recordings.

- If a Replace is performed, any value in TrAr (whether added in client 1.60 or browser) will be preserved in the master record.
- If an Export is performed, TrAr will appear as blank (b/) in the exported record.
- If an Update is performed, any value in TrAr (whether added in client 1.60 or browser) will be preserved in the archive record.

016 National Bibliographic Agency Control Number (R)

1st indicator value renamed

- b Library and Archives Canada. Formerly, National Library of Canada. The OCLC symbol of Library and Archives Canada remains NLC.

017 Copyright or Legal Deposit Number (R)

New 2nd indicator

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>Copyright or legal deposit number</td>
</tr>
<tr>
<td>8</td>
<td>No display constant generated</td>
</tr>
<tr>
<td></td>
<td>Use ‡i (Display text) when special introductory text is needed.</td>
</tr>
</tbody>
</table>

Subfield ‡a renamed

Copyright or legal deposit number (R). Formerly, Copyright registration number (R)

New subfields

- ‡d Date (NR)
- ‡i Display text (NR)

020 International Standard Book Number (R)

Subfield obsolete

- b Binding information. Obsolete. Do not use.

Conversion of existing records

- When field 020 subfields ‡a or ‡z are present, subfield ‡b data is retained as parenthetical qualifier to ISBN in subfield ‡a or ‡z; subfield ‡b indicator is deleted.
- When only subfield ‡b, or only subfields ‡b and ‡c are present, the entire field is deleted.
022 International Standard Serial Number (R)

1st indicator values
renamed

0 Continuing resource of international interest.
1 Continuing resource not of international interest

New subfield ‡2
Source (NR).

Conversion of existing records

ISSN (Continuing Resources 008/20 & 006/03) will be deleted from Serials records and displays. Existing data will be converted to appear in field 022 subfield ‡2. Conversions will take place after the OCLC-MARC Update is implemented and deletion of the element will take place after conversions are complete.

024 Other Standard Identifier

Validation changes
For certain Standard Identifiers, a calculated check character has been built into their structures in order to eliminate typographical errors. As a follow-up to this 2006 update, OCLC has now implemented more thorough validation checks based on the check characters for most of the Standard Identifiers coded in field 024. For those Standard Identifiers that do not include check characters, OCLC has implemented tighter validation checks on their structure and length, where appropriate.

1st indicator

0 International Standard Recording Code (ISRC)
1 Universal Product Code (UPC)
2 International Standard Music Number (ISMN)
3 International Article Number (EAN)
4 Serial Item and Contribution Identifier (SICI)
7 Source specified in subfield ‡2:
doi Digital Object Identifier
gtin Global Trade Item Number
isan International Standard Audiovisual Number
istc International Standard Text Code
iswc International Standard Musical Work Code
natgazfid U.S. National Gazeteer Feature Name Identifier

Validation problems
If you encounter validation problems with 024 fields in existing records and are unable to correct them, OCLC recommends that you set your validation level to "None." Remember that in field 024, terms of availability, price, and any parenthetical qualifying information pertaining to a Standard Identifier belong in subfield ‡c.
031 Musical Incipits Information (R)

New field

1st indicator ÷ Undefined
2nd indicator ÷ Undefined

Subfields
‡a Number of work (NR)
‡b Number of movement (NR)
‡c Number of excerpt (NR)
‡d Caption or heading (R)
‡e Role (NR)
‡g Clef (NR)
‡m Voice/instrument (NR)
‡n Key signature (NR)
‡o Time signature (NR)
‡p Musical notation (NR)
‡q General note (R)
‡r Key or mode (NR)
‡s Coded validity note (R)
‡t Text incipit (R)
‡u Uniform Resource Identifier (R)
‡y Link text (R)
‡z Public note (R)
‡2 System code (NR)

Definition
Field 031 contains coded data representing the musical incipit for music using established notation schemes that employ ordinary ASCII symbols. It is primarily used to identify music manuscripts, but can be applied to any material containing music.

Example
031 01 ÷b 01 ÷c 01 ÷m S ÷d Aria ÷t Rei d'impuniti eccessi ÷r e ÷g C-1 ÷o c ÷p '2B4B8BB/4G8GxF4FF/4xA8AA4.At8B/4B ÷t pe

Printing
Field 031 does not print.

Indexing
Subfields ÷d and ÷t are indexed in Title word and phrase indexes (ti: and ti=).
Subfield ÷p is indexed in the new Musical Incipits phrase index (mi=).
Subfield ÷u is indexed in Access Method word and phrase indexes (am: and am=).
All characters are retained, including punctuation, special characters, etc.

Connexion client 1.50 and 1.60
In Connexion client 1.50 and 1.60, the new phrase index for Musical Incipits (mi=) is not available.

Connexion browser and client 1.70
The new phrase index for Musical Incipits (mi=) will be available in the browse dialog and as a command line browse in the Connexion browser in May 2006 and in Connexion client 1.70 later in 2006.
041 Language Code (R)

Validation rules changed

OCLC validation now allows one 041 with second indicator 7. OCLC validation continues to allow unlimited 041s with second indicator 7.

ISO 639-1 language codes now valid

Field 041 was made repeatable in 2002 in order to accommodate non-MARC language code lists. As part of this 2006 MARC Update, the two-character language codes from the ISO 639-1:2002 list will be valid in MARC records. For the ISO list, see http://www.loc.gov/standards/iso639-2/langcodes.html.

Indexing

ISO two-character codes are those in which subfield ‡2 contains iso639-1. Both the codes and extended terms are indexed. Each code is in a separate subfield. Two-character codes without iso639-1 in subfield ‡2 are not indexed.

Field 041 may now contain either two-character ISO language codes or three-character MARC language codes. Search results are the same for equivalent codes. For the list of equivalent codes, see Codes for the Representations of Names of Languages, available on the web at http://www.loc.gov/standards/iso639-2/langcodes.html.

Example. Three-character code eng, two-character code en, and term English have the same search results.

Language codes that formerly referenced a group of languages are now searchable by codes for those languages. For example, aus is the code for Australian languages. This means searching for any of the Australian languages retrieves all records with the aus code.

There is no change to the indexing of three-character MARC codes.

More information

For detailed changes to language codes, see the list of new and changed language codes in chapter 4, “New and changed language codes” on page 20.

042 Authentication Code (R)

Digital library registry code dlr

Digital Library Registry code dlr was validated in OCLC in 2002. OCLC validation will now allow users with Full authorization or higher to add code dlr to a new or existing field 042 in a new or existing record.

044 Country of Publishing/Producing Entity Code (NR)

Subfields renamed

‡a MARC country code (R). Formerly, Country of publishing/producing entity code (R)
‡c ISO country code (R). Formerly, ISO code (R)

050 Library of Congress Call Number (R)

Subfield obsolete

‡d Supplementary Class Number. Obsolete. Do not use.

Conversion of existing records

All field 050 ‡d data have been deleted from WorldCat.
### 055 Classification Numbers Assigned in Canada (R)

<table>
<thead>
<tr>
<th>Field renamed</th>
<th>Formerly, 055 Call Numbers/Class Numbers Assigned in Canada.</th>
</tr>
</thead>
</table>
| 1st indicator values redefined | 0 Work held by Library and Archives Canada  
1 Work not held by Library and Archives Canada. |
| 2nd indicator values redefined | 0 LC-based call number assigned by Library and Archives Canada. From Library and Archives Canada copy only.  
1 Complete LC class number assigned by Library and Archives Canada. From Library and Archives Canada copy only.  
2 Incomplete LC class number assigned by Library and Archives Canada. From Library and Archives Canada copy only.  
6 Other call number assigned by Library and Archives Canada. From Library and Archives Canada copy only.  
7 Other class number assigned by Library and Archives Canada. From Library and Archives Canada copy only. |

### 072 Subject Category Code (R)

<table>
<thead>
<tr>
<th>2nd indicator value renamed</th>
<th>7 Source specified in subfield ‡2. Formerly, Code source specified in subfield ‡2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subfield renamed</td>
<td>‡2 Source (NR). Formerly, Code source (NR)</td>
</tr>
</tbody>
</table>

### 100 Main Entry–Personal Name (NR)

<table>
<thead>
<tr>
<th>Subfield obsolete</th>
<th>‡s Version. Obsolete. Do not use.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conversion of existing records</td>
<td>All field 100 ‡s data have been manually converted.</td>
</tr>
</tbody>
</table>

### 110 Main Entry–Corporate Name (R)

| Subfields obsolete | ‡h Medium. Obsolete. Do not use.  
‡s Version. Obsolete. Do not use. |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Conversion of existing records</td>
<td>All field 110 subfields ‡h and ‡s data have been manually converted.</td>
</tr>
</tbody>
</table>

### 111 Main Entry–Meeting Name (R)

| Subfield obsolete | ‡h Medium. Obsolete. Do not use.  
‡s Version. Obsolete. Do not use. |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Conversion of existing records</td>
<td>All field 111 subfields ‡h and ‡s data have been manually converted.</td>
</tr>
</tbody>
</table>
258  Philatelic Issue Data (R)

New field
1st indicator  b  Undefined
2nd indicator  b  Undefined
Subfields  ‡a Issuing jurisdiction (NR)
‡b Denomination (NR)

Definition  Stamps, postal stationery and all other documents created and/or used to signify pre-payment or payment due for postal services; stamps or other labels resembling the material described above, but which have no postal value; cancellations or other marks created and/or used by a postal administration to show evidence of postal usage; material bearing one or more of the items described above.

Example  258  United States of America and other jurisdictions : ‡b various denominations.

Printing  Field 258 does not print.

260  Publication, Distribution, etc. (Imprint) (NR)

Subfield  repeatability changed
‡e Place of manufacture (R). Formerly, NR
‡f Manufacturer (R). Formerly, NR
‡g Date of manufacture (R). Formerly, NR

Printing  Subfields ‡e, ‡f and ‡g print in the order found in the record.

300  Physical Description (R)

Subfield obsolete  ‡d Accompanying material. Obsolete. Do not use.

Conversion of existing records  All data in field 300 ‡d have been converted to ‡e.

352  Digital Graphic Representation (R)

New subfield  ‡q Format of the digital image (NR)

Definition  A description of the method of referencing and the mechanism used to represent graphic information in a data set. Include the type of storage technique used and the number of items in the data set.

Example  352  Raster : ‡b pixel ‡d (5,000 x ‡e 5,000) ; ‡q Tiff

523  Time Period of Content Note (R)

Field obsolete  Do not use.
Conversion of existing records  All data in field 523 have been converted to field 500.
538  System Details Note (R)

New subfields
‡i Display text (NR)
‡u Uniform Resource Identifier (R)
‡3 Materials specified (NR)

Printing
Subfield ‡u does not print. Subfields ‡i and ‡3 print in the order found in the record.

Indexing
Subfield ‡u is indexed in Access Method (am: and am=).

541  Immediate Source of Acquisition (R)

New 1st indicator and values
Privacy
b/ No information provided
Fields with the first indicator b/ will be retained in the master record, the displayed record, the exported record, and the user’s archive record.

0 Private
Fields with the first indicator 0 will not be retained in the master record, but will be included in the displayed record, the exported record, and the user’s archive record.

1 Not private
Fields with the first indicator 1 will be retained in the master record, the displayed record, the exported record, and the user’s archive record.

561  Ownership and Custodial History (R)

New 1st indicator and values
Privacy
b/ No information provided
Fields with the first indicator b/ will be retained in the master record, the displayed record, the exported record, and the user’s archive record.

0 Private
Fields with the first indicator 0 will not be retained in the master record, but will be included in the displayed record, the exported record, and the user’s archive record.

1 Not private
Fields with the first indicator 1 will be retained in the master record, the displayed record, the exported record, and the user’s archive record.
583  Action Note (R)

New 1st indicator and values

Privacy

No information provided
Fields with the first indicator $b$ will be retained in the master record, the displayed record, the exported record, and the user’s archive record.

0  Private
Fields with the first indicator 0 will not be retained in the master record, but will be included in the displayed record, the exported record, and the user’s archive record.

1  Not private
Fields with the first indicator 1 will be retained in the master record, the displayed record, the exported record, and the user’s archive record.

648  Subject Added Entry–Chronological Term (R)

New field

1st indicator

Undefined

2nd indicator

Thesaurus

0  Library of Congress Subject Headings
1  LC subject heading for children’s literature
2  Medical Subject Headings (National Library of Medicine
3  National Agricultural Library subject authority file
4  Source not specified
5  Canadian Subject Headings
6  Répertoire de vedettes-matière
7  Source is specified in subfield $\‡2$

Subfields

‡a  Chronological term (NR)
‡v  Form subdivision (R)
‡x  General subdivision (R)
‡y  Chronological subdivision (R)
‡z  Geographic subdivision (R)
‡2  Source of heading or term (NR)
‡3  Materials specified (NR)

Definition
A subject added entry in which the entry element is a chronological term.

Example
648  1900-1999 $\‡2$ fast

Printing
Field 648 does not print.

Indexing
Field 648 is indexed according to the value of the second indicator in subject, form, and genre indexes.

654 Subject added entry–faceted topical terms

Indexing
Field 654 is indexed in the general Subject index (su).
773  Host Item Entry (R)

New subfield  ‡q Enumeration and first page (NR)

Conversion of existing records  Existing data cannot be converted to the new field 773 ‡q.

Example  773 ‡t California journal ‡g Vol. 24, pt. B no. 9 (Sept. 1993), p. 235-48 ‡q 24:B:9<235

Printing  Field 773 ‡q does not print.

938  Vendor Specific Ordering Data (R)

New subfields  ‡d Vendor net price (NR)  ‡i Inventory number (NR)

System supplied  Field 938 and its subfields are system supplied. They contain vendor-specific ordering data from MARC vendor records. OCLC sets the vendor's holdings and retains field 938 in the master record (you can add, change or delete a 938 field in your local copy of the record).

945-949  Local Processing Information (R)

New subfields  ‡0 Locally defined (R)  ‡1 Locally defined (R)  ‡2 Locally defined (R)  ‡3 Locally defined (R)  ‡4 Locally defined (R)  ‡5 Locally defined (R)  ‡7 Locally defined (R)  ‡9 Locally defined (R)

950  OCLC Locally Defined (R)

Obsolete field  Do not use.

989  Project Identifier (NR)

New field  Field 989 supports libraries in the cooperative cataloging project.

1st indicator  ⁶ Undefined

2nd indicator  ⁶ Undefined

Subfield  ‡a Project Identifier (NR)  
  Note: The only valid value for ‡a is coopcat.

Institution supplied  Only libraries participating in the cooperative cataloging project should use this field.
3 Authority Record Changes

016 National Bibliographic Agency Control Number (R)

1st indicator value renamed

Library and Archives Canada
Formerly, National Library of Canada. The OCLC symbol for Library and Archives Canada remains NLC.

024 Other Standard Identifier (R)

New field

1st indicator
Type of Standard Number or Code
7 Source specified in subfield ‡2
8 Unspecified type of standard number or code

2nd indicator
Undefined

Subfields
‡a Standard Number or Code (NR)
‡c Terms of availability (NR)
‡d Additional codes following the standard code (NR)
‡z Cancelled/invalid standard number or code (R)
‡2 Source of number or code (NR)

Validation changes
For certain Standard Identifiers, a calculated check character has been built into their structures in order to eliminate typographical errors. As a follow-up to this 2006 update, OCLC has now implemented more thorough validation checks based on the check characters for most of the Standard Identifiers coded in field 024. For those Standard Identifiers that do not include check characters, OCLC has implemented tighter validation checks on their structure and length, where appropriate.

1st indicator
0 International Standard Recording Code (ISRC)
1 Universal Product Code (UPC)
2 International Standard Music Number (ISMN)
3 International Article Number (EAN)
4 Serial Item and Contribution Identifier (SICI)
7 Source specified in subfield ‡2:
doi Digital Object Identifier
gtin Global Trade Item Number
isan International Standard Audiovisual Number
istc International Standard Text Code
iswc International Standard Musical Work Code
natgazfid U.S. National Gazeteer Feature Name Identifier

Validation problems
If you encounter validation problems with 024 fields in existing records and are unable to correct them, OCLC recommends that you set your validation level to "None." Remember that in field 024, terms of availability, price, and any parenthetical qualifying information pertaining to a Standard Identifier belong in subfield ‡c.
031  Musical Incipits Information (R)

New field

1st indicator    Undefined
2nd indicator    Undefined

Subfields  
†a Number of work (NR)
†b Number of movement (NR)
†c Number of excerpt (NR)
†d Caption or heading (R)
†e Role (NR)
†g Clef (NR)
†m Voice/instrument (NR)
†n Key signature (NR)
†o Time signature (NR)
†p Musical notation (NR)
†q General note (R)
†r Key or mode (NR)
†s Coded validity note (R)
†t Text incipit (R)
†u Uniform Resource Identifier (R)
†y Link text (R)
†z Public note (R)
‡2 System code (NR)

Definition  
Field 031 contains coded data representing the musical incipit for music using established notation schemes that employ ordinary ASCII symbols. It is primarily used to identify music manuscripts, but can be applied to any material containing music.

Example  
031 01 †b 01 †c 01 †m S †d Aria †t Rei d'impuniti eccessi †r e †g C-1 †o c †p '2B4B8BB/4G8GxF4FF/4xA8AA4.AIt8B/4B †2 pe

Indexing  
Subfields †d and †t are indexed in Title word and phrase indexes (ti: and ti=). Subfield †p is indexed in the new Musical Incipits phrase index (mi=). All characters are retained, including punctuation, special characters, etc.

Connexion client 1.50 and 1.60  
In Connexion client 1.50 and 1.60, the new phrase index for Musical Incipits (mi=) is not available.

Connexion browser and client 1.70  
The new phrase index for Musical Incipits (mi=) will be available in the browse dialog and as a command line browse in the Connexion browser in May 2006 and in Connexion client 1.70 later in 2006.

055  Library and Archives Canada Call Number (R)

Field renamed  
Formerly, 055 National Library of Canada Call Number. The OCLC symbol for Library and Archives Canada remains NLC.

2nd indicator values redefined  
0  Assigned by Library and Archives Canada.
4  Assigned by agency other than Library and Archives Canada.
4 MARC Code List Changes

New and changed language codes

Fields and subfields where codes are valid

Language codes are valid in these fields and subfields:

- Bibliographic: Lang (008/35-37), 040 ‡b, 041, 242 ‡y, 775 ‡c
- Authority: 040 ‡b

Note: The codes listed as “Previously Coded” in the table below remain valid for their respective languages and language groups.

Data conversion

Manual conversion of existing data will be done where possible. Users are encouraged to report necessary changes.

Indexing

All new language codes and terms are indexed in the Language (la) index. Old language names are retained in the Language (la) index.

Example. Code ltz, Code lb, Letzeburgesch, and Luxembourgish will have the same results.

<table>
<thead>
<tr>
<th>Code</th>
<th>Language Name</th>
<th>Previously Coded</th>
</tr>
</thead>
<tbody>
<tr>
<td>ain</td>
<td>Ainu</td>
<td>mis (Miscellaneous)</td>
</tr>
<tr>
<td>alt</td>
<td>Southern Altai</td>
<td>tut (Altaic Other)</td>
</tr>
<tr>
<td>anp</td>
<td>Angika</td>
<td>bih (Bihari)</td>
</tr>
<tr>
<td>byn</td>
<td>Bilin</td>
<td>cus (Cushitic (Other))</td>
</tr>
<tr>
<td>csb</td>
<td>Kashubian</td>
<td>sla (Slavic (Other))</td>
</tr>
<tr>
<td>dsb</td>
<td>Lower Sorbian</td>
<td>wen (Sorbian languages)</td>
</tr>
<tr>
<td>fil</td>
<td>Filipino</td>
<td></td>
</tr>
<tr>
<td>frr</td>
<td>Northern Frisian</td>
<td></td>
</tr>
<tr>
<td>frs</td>
<td>Eastern Frisian</td>
<td></td>
</tr>
<tr>
<td>gsw</td>
<td>Swiss German</td>
<td>ger (German)</td>
</tr>
<tr>
<td>hsb</td>
<td>Upper Sorbian</td>
<td>wen (Sorbian languages)</td>
</tr>
<tr>
<td>jbo</td>
<td>Lojban (Artificial Language)</td>
<td></td>
</tr>
<tr>
<td>krc</td>
<td>Karachay-Balkar</td>
<td>tut (Altaic (Other))</td>
</tr>
<tr>
<td>krl</td>
<td>Karelian</td>
<td>fiu (Finno-Ugrian (Other))</td>
</tr>
<tr>
<td>mdf</td>
<td>Moksha</td>
<td>fiu (Finno-Ugrian (Other))</td>
</tr>
<tr>
<td>mwl</td>
<td>Mirandese</td>
<td></td>
</tr>
<tr>
<td>myv</td>
<td>Erzya</td>
<td>fiu (Finno-Ugrian (Other))</td>
</tr>
<tr>
<td>nwc</td>
<td>Newari, Old</td>
<td></td>
</tr>
<tr>
<td>rup</td>
<td>Aromanian</td>
<td></td>
</tr>
<tr>
<td>scn</td>
<td>Sicilian Italian</td>
<td>ita (Italian)</td>
</tr>
<tr>
<td>smn</td>
<td>Sranan</td>
<td>cpe (Creole and Pidgins, English-based (Other))</td>
</tr>
<tr>
<td>tll</td>
<td>Klingon (Artificial Language)</td>
<td></td>
</tr>
<tr>
<td>zxx</td>
<td>No Linguistic Content</td>
<td>N/A or three blanks (§ in 008/35-37)</td>
</tr>
</tbody>
</table>

Connexion client 1.50

- The drop-down list in the Lang fixed field will not include new or changed Language Codes. You may input the new codes manually.
- For searching, new and changed Language Codes will not appear in the Search WorldCat dropdown list, but can be used in command line searches.
New language code for “No Linguistic Content”

Coding guidelines

Longstanding OCLC practice has been to code N/A in Lang (008/35-37) when there was no language associated with the main content of a bibliographic resource (most commonly, for scores and sound recordings with no sung or spoken text). Previous MARC practice had been to code three blanks in Lang (008/35-37). MARC has now assigned the code zxx to be used in Lang (008/35-37) when a resource has no sung, spoken, or written textual content.

<table>
<thead>
<tr>
<th>New code</th>
<th>Language Name</th>
<th>Previously coded</th>
</tr>
</thead>
<tbody>
<tr>
<td>zxx</td>
<td>No Linguistic Content</td>
<td>N/A or 3 blanks (§ in 008/35-37)</td>
</tr>
</tbody>
</table>

Field where code is valid

This new language code is valid only in Lang (008/35-37).

Data conversion

Instances of N/A and three blanks in Lang (008/35-37) will be converted to code zxx.

Changed Language Names

Only these language names have been changed. The codes for the languages have not been changed.

<table>
<thead>
<tr>
<th>Old Language Name</th>
<th>New Language Name</th>
<th>Code</th>
<th>ISO 639-1 Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truk</td>
<td>Chuukese</td>
<td>chk</td>
<td></td>
</tr>
<tr>
<td>Frisian</td>
<td>Western Frisian</td>
<td>fry</td>
<td>fy</td>
</tr>
<tr>
<td>Kutenai</td>
<td>Kootenai</td>
<td>kut</td>
<td></td>
</tr>
<tr>
<td>Lamba</td>
<td>Lamba (Zambia and Congo)</td>
<td>lam</td>
<td></td>
</tr>
<tr>
<td>Letzeburgesch</td>
<td>Luxembourgish</td>
<td>ltz</td>
<td>lb</td>
</tr>
</tbody>
</table>

Changed Country Codes

Fields and subfields where codes are valid

Country codes are valid in these fields and subfields.

Bibliographic: Ctry (008/15-17), 044, 535 §g, 775 §f, 851 §g

More precise Australian codes

The general country code at for Australia remains valid, but you can now assign specific codes for individual Australian states and territories.

Data conversion

Existing data will not be converted.

Indexing

All new country codes and terms are indexed in the Country of Publication (cp) index.

<table>
<thead>
<tr>
<th>New code</th>
<th>Place Name</th>
<th>Old Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>aca</td>
<td>Australian Capital Territory</td>
<td>at</td>
</tr>
<tr>
<td>xga</td>
<td>Coral Sea Islands Territory</td>
<td>at</td>
</tr>
<tr>
<td>xna</td>
<td>New South Wales</td>
<td>at</td>
</tr>
<tr>
<td>xoa</td>
<td>Northern Territory</td>
<td>at</td>
</tr>
<tr>
<td>qea</td>
<td>Queensland</td>
<td>at</td>
</tr>
<tr>
<td>xra</td>
<td>South Australia</td>
<td>at</td>
</tr>
</tbody>
</table>
The drop-down list in the Ctry fixed field will not include new or changed Country Codes. You may input the new codes manually.

### Changed Geographic Area Codes

**Fields and subfields where codes are valid**

Geographic area codes are valid in these fields and subfields:

- Bibliographic: 043
- Authority: 043

The general geographic area code `u-at---` for Australia remains valid, but you can now assign specific codes for particular Australian regions.

**Data conversion**

Existing data will not be converted.

**Indexing**

New geographic codes appear in field 043, but are not indexed.

New geographic terms are indexed in the Geographic Coverage (gc) index.

<table>
<thead>
<tr>
<th>New code</th>
<th>Place Name</th>
<th>Old Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>tma</td>
<td>Tasmania</td>
<td>at</td>
</tr>
<tr>
<td>vra</td>
<td>Victoria</td>
<td>at</td>
</tr>
<tr>
<td>wea</td>
<td>Western Australia</td>
<td>at</td>
</tr>
</tbody>
</table>

### New Relator Codes

**Fields and subfields where codes are valid**

Relator codes are valid in these fields and subfields.

Bibliographic: `‡` in fields 100, 110, 111, 270, 400, 410, 411, 600, 610, 611, 700, 710, 711, 720, 800, 810, 811

<table>
<thead>
<tr>
<th>Code</th>
<th>Relator Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>acp</td>
<td>Art copyist</td>
</tr>
<tr>
<td>anm</td>
<td>Animator</td>
</tr>
<tr>
<td>cng</td>
<td>Cinematographer</td>
</tr>
<tr>
<td>fpy</td>
<td>First party</td>
</tr>
<tr>
<td>lgd</td>
<td>Lighting designer</td>
</tr>
<tr>
<td>mcp</td>
<td>Music copyist</td>
</tr>
<tr>
<td>mfr</td>
<td>Manufacturer</td>
</tr>
<tr>
<td>ppt</td>
<td>Puppeteer</td>
</tr>
<tr>
<td>rsg</td>
<td>Restager</td>
</tr>
<tr>
<td>spy</td>
<td>Second party</td>
</tr>
<tr>
<td>std</td>
<td>Set designer</td>
</tr>
<tr>
<td>tch</td>
<td>Teacher</td>
</tr>
<tr>
<td>vdg</td>
<td>Videographer</td>
</tr>
</tbody>
</table>
### New Classification Source Codes

<table>
<thead>
<tr>
<th>New code</th>
<th>Bibliographic citation</th>
<th>Format/Field Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>bcl</td>
<td>Nederlandse Basisclassificatie = Dutch Basic Classification Codes (The Hague: Koninklijke Bibliotheek)</td>
<td>• Bibliographic: 084 ±2, 652 ±2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Authority: 065 ±2</td>
</tr>
<tr>
<td>ccpq</td>
<td>Cadre de classement des publications gouvernementales du Québec (Montréal: Bibliothèque nationale du Québec)</td>
<td>• Bibliographic: 086 ±2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Authority: 086 ±2, 087 ±2</td>
</tr>
</tbody>
</table>

### New Term, Name, Title Source Codes

Although some of these codes are represented by second indicator values in 6XX fields in the Bibliographic format and in 7XX fields in the Authority format, they may be used if the second indicator does not identify the source. For example, in non-MARC records where the MARC source code list is used, e.g. the MODS authority attribute.

<table>
<thead>
<tr>
<th>New code</th>
<th>Bibliographic citation</th>
<th>Format/Field Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>cct</td>
<td>Zhong guo fen lei zhu ti ci biao (di er ban) = Chinese Classified Thesaurus (Beijing: Guo jia tu shu guan, “Zhongguo tu shu guan fen lei fa” bian wei hui)</td>
<td>Bibliographic: 600-651, 655 ±2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Authority: 040 ±f</td>
</tr>
<tr>
<td>dcs</td>
<td>Descritores em Ciências da Saúde = Descriptores en Ciencias de la Salud = Health Sciences Descriptors (São Paulo: BIREME)</td>
<td>Bibliographic: 6xx ±2</td>
</tr>
<tr>
<td>fire</td>
<td>FireTalk, IFSI thesaurus (Chicago, IL: Illinois Fire Service Institute).</td>
<td>Bibliographic: 6xx ±2</td>
</tr>
<tr>
<td>fnhl</td>
<td>First Nations House of Learning Subject Headings (Vancouver, BC: Xwi7xwa Library, University of British Columbia).i</td>
<td>Bibliographic: 600-651, 656, 657 ±2</td>
</tr>
<tr>
<td>hkcan</td>
<td>Hong Kong Chinese Authority File (Name) - HKCAN (Hong Kong: JULAC)</td>
<td>Bibliographic: 600-651, 655 ±2</td>
</tr>
<tr>
<td>jhpb</td>
<td>Jezyk hasel przedmiotowych Biblioteki Narodowej = National Library of Poland Subject Headings (Warszawie: Biblioteki Narodowej)</td>
<td>Bibliographic: 600-651, 655 ±2</td>
</tr>
<tr>
<td>jhpk</td>
<td>Jezyk hasel przedmiotowych KABA = KABA Subject Headings (Warszawie: Słownik Bibliotekarzy Polskich, Centrum Formataw i Kartotek Hasel Wzorowych Biblioteki Uniwersyteckiej w Warszawie)</td>
<td>Bibliographic: 600-651, 655 ±2</td>
</tr>
<tr>
<td>lacnaf</td>
<td>Library Archives Canada name authority file (Ottawa: ON: Library Archives Canada) Note: Equivalent to second indicator value 5 in name and title headings</td>
<td>Bibliographic: 600-651, 655 ±2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Authority: 700-788 ±2</td>
</tr>
<tr>
<td>local</td>
<td>Locally assigned term</td>
<td>Bibliographic: 600-651 ±2</td>
</tr>
<tr>
<td>mar</td>
<td>Merenkulun asiasanasto = MariTerm (Maritime technology)</td>
<td>Bibliographic: 600-651, 655-658 ±2</td>
</tr>
<tr>
<td>nalnaf</td>
<td>National Agricultural Library name authority file (Beltsville, Maryland: National Agricultural Library) Note: Equivalent to second indicator value 3 in name and title headings</td>
<td>Bibliographic: 600-651, 655 ±2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Authority: 700-788 ±2</td>
</tr>
<tr>
<td>nlmnaf</td>
<td>National Library of Medicine name authority file (Bethesda, Maryland: National Library of Medicine) Note: Equivalent to second indicator value 2 in name and title headings</td>
<td>Bibliographic: 600-651, 655 ±2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Authority: 700-788 ±2</td>
</tr>
<tr>
<td>ogst</td>
<td>Oregon GILS Subject Tree (Oregon: Oregon State Library and Oregon Information Resource Management Division (IRMD))</td>
<td>Bibliographic: 600-651 ±2</td>
</tr>
</tbody>
</table>
## New Description Convention Codes

### Fields and subfields where codes are valid

Description convention codes are valid in these fields and subfields:
- Bibliographic: 040 ‡e
- Authority: 040 ‡e

### New code | Bibliographic citation
---|---
raam | Register of Australian Archives & Manuscripts Occupations Thesaurus (Canberra: National Library of Australia)
rerovoc (formerly, reroa) | Indexation matières RERO (autorités) (Martigny: Réseau des bibliothèques de Suisse occidentale)
sgc | Spolsni geslovnik COBISS.SI = COBISS.SI General List of subject headings (Slovenian subject headings) (Maribor, Slovenia: Institut informacijskih znanosti (IZUM))
sgce | Spolsni geslovnik COBISS.SI = COBISS.SI General List of subject headings (English subject headings) (Maribor, Slovenia: Institut informacijskih znanosti (IZUM))
thub | Thesaurus de la Universitat de Barcelona (Barcelona: Universitat de Barcelona, Centre de Recursos per a l'Aprenentatge i la Investigació, Procès Tècnic)
ulan | Union list of artist names (Los Angeles: Getty Research Institute)
waqaf | Maknas Uloom Al Waqaf (Kuwait: Kuwait Awqaf Public Foundation)
wgst | Washington GILS Subject Tree (Tumwater, WA: Washington State Library)

## New Other Source Codes

### New code | Bibliographic citation
---|---
anuc | Australian National Union Catalog
gtin | Global Trade Item Number
natgaz | U.S. National Gazetteer Feature Name Identifier
natgazfid | U.S. National Gazetteer Feature Name Identifier
stcng | The STCN [Short title catalogue Netherlands] fingerprint
ukblsr | British Library Standard Record
ukscp | UK Legal Deposit Libraries' Shared Cataloguing Programme Record
xisssnuk | Not verified by ISSN UK Centre

### Format/Field Use

- Bibliographic: 600-651, 655 ‡2
- Authority: 040 ‡f
- Bibliographic: 600-651, 655 ‡2
- Authority: 040 ‡f
- Bibliographic: 600-651, 655 ‡2
- Authority: 040 ‡f
- Bibliographic: 6xx ‡2
- Bibliographic: 6xx ‡2
- Bibliographic: 600-651, 655-658 ‡2
- Bibliographic: 600-651 ‡2
- Bibliographic: 042 ‡a
- Authority: 042 ‡a
- Bibliographic: 024 ‡2
- Bibliographic: 024 ‡a
- Bibliographic: 042 ‡a
- Authority: 042 ‡a
- Bibliographic: 026 ‡2
- Bibliographic: 042 ‡a
- Authority: 042 ‡a
- Bibliographic: 042 ‡a
- Authority: 073 ‡z
## Category Code Source Code

<table>
<thead>
<tr>
<th>New code</th>
<th>Bibliographic citation</th>
<th>Format/Field Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>sao</td>
<td>Svenska amnesord (Stockholm: Kungliga Biblioteket, LIBRIS-avdelningen)</td>
<td>Authority: 073 \z</td>
</tr>
</tbody>
</table>
5 Character Set Changes

Basic Latin

You can now enter these characters as characters (you may continue to enter them using hex values). **Note:** Do not confuse the newly-valid spacing characters with their long-valid non-spacing counterparts. Use of the spacing characters will be limited almost exclusively to URLs.

<table>
<thead>
<tr>
<th>Name</th>
<th>Character</th>
<th>Alternative entry (hex value)</th>
<th>Indexed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spacing circumflex/circumflex accent</td>
<td>^</td>
<td>%5E</td>
<td>As a character in Access Method indexes only</td>
</tr>
<tr>
<td>Spacing underscore/low line*</td>
<td>_</td>
<td>%5F</td>
<td>As a character in Access Method indexes only</td>
</tr>
<tr>
<td>Spacing grave/grave accent</td>
<td></td>
<td>%60</td>
<td>As a character in Access Method indexes only</td>
</tr>
<tr>
<td>Opening curly bracket/left curly bracket†</td>
<td>{</td>
<td>%7B</td>
<td>Not Indexed</td>
</tr>
<tr>
<td>Closing curly bracket/right curly bracket†</td>
<td>}</td>
<td>%7D</td>
<td>Not Indexed</td>
</tr>
<tr>
<td>Spacing tilde/tilde</td>
<td>~</td>
<td>%7E</td>
<td>As a character in Access Method indexes only</td>
</tr>
</tbody>
</table>

* Because the Spacing Underscore may cause problems with MARC output, users may prefer to continue entering it with the hexadecimal value %5F.
† Curly brackets were invalid prior to this Update.

Extended Latin

OCLC Cataloging interfaces now accept these characters. Participants in the Program for Cooperative Cataloging (BIBCO, CONSER, NACO, and SACO) should follow PCC practices for these characters.

<table>
<thead>
<tr>
<th>Name</th>
<th>Character</th>
<th>Indexing</th>
<th>When creating records</th>
<th>When searching</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree sign</td>
<td>°</td>
<td>Not indexed.</td>
<td>Do not use the superscript zero (°).</td>
<td>Omit and close up space</td>
</tr>
<tr>
<td>Sound recording copyright</td>
<td>¶</td>
<td>Not indexed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copyright sign</td>
<td>©</td>
<td>Not indexed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music sharp sign</td>
<td>#</td>
<td>Not indexed.</td>
<td>Do not use the pound sign (#).</td>
<td>Omit and close up space</td>
</tr>
<tr>
<td>Inverted question mark</td>
<td>¿</td>
<td>Not indexed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inverted exclamation mark</td>
<td>¡</td>
<td>Not Indexed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eszett</td>
<td>ß</td>
<td>Indexed as the Eszett character and as ss. €</td>
<td>Do not use ss.</td>
<td>Use either Eszett or ss (results are the same).</td>
</tr>
<tr>
<td>Euro sign</td>
<td>€</td>
<td>Not Indexed</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Validation

The new characters listed above are available in Connexion interfaces now, but will pass validation from both browser and client 1.50 only after the May 2006 Connexion host installation. They will pass validation from client 1.60 upon its release in June 2006.

**Note:** OCLC requests that the new characters **not** be used until the release of client 1.60 in June 2006, subject to the revision of Library of Congress Rule Interpretation 1.0E where appropriate.

### Alif: Display and export

The Unicode value for the Extended Latin character Alif (֝) will change from 02BE to 02BC. All Connexion interfaces will correctly display the Alif. The MARC-8 value for the Alif character is unaffected by this change.

**Unicode Export:**

- If you save a record to the local file in client 1.50 and use Unicode Export to export it from client 1.50 or 1.60, the Unicode value for Alif is 02BE (old value).
- If you save a record to the local file in client 1.60 and use Unicode Export to export it from client 1.50 or 1.60, the Unicode value for Alif is 02BC (new value).

**MARC-8 Export:**

Although the MARC-8 value has not changed for the Alif, Connexion client 1.50 users must download a software patch to continue exporting the correct MARC-8 value in:

- Records from WorldCat online or from the WorldCat online save file
- Records saved in the local save file after the May 2006 Connexion host installation

The software patch will be available on the Connexion Client Known Problems page at [http://www.oclc.org/connexion/support/client_known_problems.htm](http://www.oclc.org/connexion/support/client_known_problems.htm).

**Offline Validation:**

In both Connexion client 1.50 and 1.60, records containing the Alif saved in the local save file before the May 2006 Connexion host installation will fail offline validation. Simply perform an online validation instead and the records will pass.

When searching, the Alif should be omitted and the space closed up.

OCLC will convert all existing identifiable Alif characters.

### Script small L

The Script Small L (֠) will now appear in OCLC-MARC output encoded in MARC-8 as hexadecimal value C1 instead of the old value BE. UTF-8 output is unaffected by this change.

When searching, continue to substitute the letter L for the Script Small L.

### Conversion of existing records

To the extent that it is possible to safely identify those characters that have been previously used as substitutes for these newly defined characters, OCLC will convert existing data, where appropriate. OCLC users are encouraged to report necessary changes.
6 Additional Changes to OCLC-MARC Records

Subfield changes

Subfield ‡6 obsolete

Subfield ‡6 is obsolete in the bibliographic field below.

- 027 Standard Technical Report Number

Subfield ‡6 valid

Subfield ‡6 is valid in the bibliographic fields below.

- 031 Musical Incipits Information
- 258 Philatelic Issue Date
- 648 Subject Added Entry-Chronological Term

Character set changes

Alif: display and export

The Unicode value for the Extended Latin character Alif (ignant) will change from 02BE to 02BC. All Connexion interfaces will correctly display the Alif. MARC-8 output is unaffected by this change.

Unicode Export:

- If you save a record to the local file in client 1.50 and use Unicode Export to export it from client 1.50 or 1.60, the Unicode value for Alif is 02BE (old value).
- If you save a record to the local file in client 1.60 and use Unicode Export to export it from client 1.50 or 1.60, the Unicode value for Alif is 02BC (new value).

MARC-8 Export:

Although the MARC-8 value has not changed for the Alif, Connexion client 1.50 users must download a software patch to continue exporting the correct MARC-8 value in:

- Records from WorldCat online or from the WorldCat online save file
- Records saved in the local save file after the May 2006 Connexion host installation

The software patch will be available on the Connexion Client Known Problems page at http://www.oclc.org/connexion/support/client_known_problems.htm.

Offline Validation:

In both Connexion client 1.50 and 1.60, records containing the Alif saved in the local save file before the May 2006 Connexion host installation will fail offline validation. Simply perform an online validation instead and the records will pass.

Script small L

The Script Small L (£) will now appear in OCLC-MARC output encoded in MARC-8 as hexadecimal value C1 instead of the old value BE. UTF-8 output is unaffected by this change.
7 006 Template and Fixed Field Display Changes

**Typographic conventions**

In the sections below on the fixed fields and field 006, the underscore ( _) represents a blank (b) and the pipe ( | ) represents the fill character.

New or obsolete elements are shaded, as below:

```
FMus: u  LTxt: n
Part: _  TrAr: _
```

**Connexion client**

Field 006 - Score

New elements

```
Type: c  Form: _
Comp: uu  Accm: _ _ _ _ _ _
FMus: u  LTxt: n
Part: _  TrAr: _
Audn: _
```

Field 006 - Sound Recording

New elements

```
Type: i  Form: _
Comp: nn  Accm: _ _ _ _ _ _
FMus: n  LTxt: _
Part: n  TrAr: n
Audn: _
```

Field 006 -- Continuing Resources (formerly, Serial)

ISSN is now obsolete and no longer available.

```
Type: s  EntW: _
Freq: |  Cont: _
Regl: |  GPub: _
ISSN: _  Conf: _
SrTp: _  Alph: _
Orig: _  S/L: _
Form: _
```
### Fixed Field - Score

**New elements**

| Type: c | ELvl: | Srce: d | Audn: | Ctrl: | Lang: |||
|--------|-------|--------|------|-------|--------|
| BLvl: m | Form: | Comp: uu | AccM: _ _ _ _ _ | MRec: | Ctry: |||
| Part: _ | TrAr: _ |
| Desc: | FMus: u | LTxt: n | DtSt: | Dates: |||| |

### Fixed Field - Sound Recording

**New elements**

| Type: j | ELvl: | Srce: d | Audn: | Ctrl: | Lang: |||
|--------|-------|--------|------|-------|--------|
| BLvl: m | Form: | Comp: uu | AccM: _ _ _ _ _ | MRec: | Ctry: |||
| Part: n | TrAr: n |
| Desc: | FMus: n | LTxt: _ | DtSt: | Dates: |||| |

### Fixed Field - Continuing Resources (formerly, Serial)

ISSN is now obsolete and no longer available.

| Type: a | ELvl: | Srce: d | GPub: | Ctrl: | Lang: |||
|--------|-------|--------|------|-------|--------|
| BLvl: s | Form: | Conf: 0 | Freq: | MRec: | Ctry: |||
| S/L: 0 | Orig: | EntW: | Regl: | ISSN: _ _ _ _ _ | Alph: _ |
| Desc: | SrTp: | Cont: _ _ _ | DtSt: c | Dates: ||||,9999 |

### Connexion browser

#### Field 006 - Score: Printed Music

**New elements**

<table>
<thead>
<tr>
<th>Comp: uu</th>
<th>FMus: u</th>
<th>Part: _</th>
<th>Audn: _</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form: _</td>
<td>Accm: _ _ _ _ _</td>
<td>Ltxt: n</td>
<td>TrAr: _</td>
</tr>
</tbody>
</table>

#### Field 006 - Score: Manuscript

**New elements**

<table>
<thead>
<tr>
<th>Comp: uu</th>
<th>FMus: u</th>
<th>Part: _</th>
<th>Audn: _</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form: _</td>
<td>Accm: _ _ _ _ _</td>
<td>Ltxt: n</td>
<td>TrAr: _</td>
</tr>
</tbody>
</table>

#### Field 006 - Sound Recording: Nonmusic Recording

**New elements**

<table>
<thead>
<tr>
<th>Comp: nn</th>
<th>FMus: n</th>
<th>Part: n</th>
<th>Audn: _</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form: _</td>
<td>Accm: _ _ _ _ _</td>
<td>Ltxt: _</td>
<td>TrAr: n</td>
</tr>
</tbody>
</table>
**Field 006 - Sound Recording: Music Recording**

New elements

<table>
<thead>
<tr>
<th>Field</th>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comp:</td>
<td>nn</td>
<td></td>
</tr>
<tr>
<td>FMus:</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>Part:</td>
<td>n</td>
<td></td>
</tr>
<tr>
<td>Audn:</td>
<td>_</td>
<td></td>
</tr>
</tbody>
</table>

**Field 006 -- Continuing Resources (formerly, Serial)**

ISSN is now obsolete and no longer available.

<table>
<thead>
<tr>
<th>Field</th>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freq:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regl:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISSN:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>SrTp:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Orig:</td>
<td>_</td>
<td></td>
</tr>
</tbody>
</table>

**Fixed Field - Score**

New elements

<table>
<thead>
<tr>
<th>Field</th>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>c</td>
<td></td>
</tr>
<tr>
<td>ELvl:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Srce:</td>
<td>d</td>
<td></td>
</tr>
<tr>
<td>Audn:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Ctrl:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Lang:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fixed Field - Sound Recording**

New elements

<table>
<thead>
<tr>
<th>Field</th>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>j</td>
<td></td>
</tr>
<tr>
<td>ELvl:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Srce:</td>
<td>d</td>
<td></td>
</tr>
<tr>
<td>Audn:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Ctrl:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Lang:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fixed Field - Continuing Resources (formerly, Serial)**

ISSN is now obsolete and no longer available.

<table>
<thead>
<tr>
<th>Field</th>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type:</td>
<td>a</td>
<td></td>
</tr>
<tr>
<td>ELvl:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Srce:</td>
<td>d</td>
<td></td>
</tr>
<tr>
<td>GPub:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Ctrl:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Lang:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S/L:</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Orig:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>EntW:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Regl:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>ISSN:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Alph:</td>
<td>_</td>
<td></td>
</tr>
<tr>
<td>Dates:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9999</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
8 Summary of Connexion Changes

**Differences among Connexion interfaces**

This section lists differences among the Connexion browser (to be implemented May 2006), Connexion client 1.50 (to be discontinued as of October 1, 2006), and Connexion client 1.60 (to be released June 2006).

*To take full advantage of the new capabilities available in Connexion client 1.60 and to avoid the limitations of client 1.50, users are strongly encouraged to switch from 1.50 to 1.60 as soon as 1.60 is released in June 2006.*

**Client 1.60 and browser**

**Implementation dates**

These changes will appear (or are already present) in the Connexion browser in May 2006 and in the client 1.60 upon its release in June 2006.

**Record creation**

To create new records for textual Serials and textual Integrating Resources, use the Continuing Resources (formerly Serials) workform. The same change also applies to the constant data workforms for textual Serials and textual Integrating Resources.

Use the 006 for Continuing Resources (formerly Serials) to create 006 fields for non-textual Serials and non-textual Integrating Resources.

**Searching**

New search limiters for Continuing Resources (cnr) and Integrating Resources (int) can be used both in command line searches and using dropdown lists.

- Continuing Resources retrieves both Serials and Integrating Resources.
- Serials and Integrating Resources can each be used as more specific limiters, each retrieving a different set of search results.

Search results for Integrating Resources:

- In brief record displays, records with Type a BLvl i will be identified with [INTEGRATING RESOURCE].
- In group displays, records with Type a BLvl i will appear under the heading “Textual Integrating Resources.”

**ISSN**

The ISSN fixed field element (ISSN) is removed from workforms. ISSN value will be converted to 022 subfield ‡2 as the record is displayed, when appropriate.

**Part and TrAr**

New Music fixed field and 006 elements Part and TrAr will be present in workforms for Scores (default: blank) and Sound Recordings (default: n).

**Musical Incipits phrase index**

In the Connexion browser, the new phrase index (mi=) for Musical Incipits (field 031 subfield ‡p) will be available in the browse dialog and as a command line browse beginning in May 2006. In client 1.60, this index will not be available.

**New characters**

New characters are present, but do not currently pass validation. They will pass validation after the May Connexion host installation, but should not be used until announced in June 2006.
The Unicode value for the Extended Latin character Alif is changing from 02BE to 02BC. For all cataloging interfaces, the Alif will display correctly.

- If you save a record to the local file in client 1.50 and use Unicode Export to export it from client 1.50 or 1.60, the Unicode value for Alif is 02BE (old value).
- If you save a record to the local file in client 1.60 and use Unicode Export to export it from client 1.50 or 1.60, the Unicode value for Alif is 02BC (new value).

**Offline Validation:**

In both Connexion client 1.50 and 1.60, records containing the Alif saved in the local save file before the May 2006 Connexion host installation will fail offline validation. Simply perform an online validation instead and the records will pass.

**Client 1.50**

**Implementation dates**

These changes will appear (or are already present) in May 2006.

**Record creation**

To create new records for textual Serials and textual Integrating Resources, continue to use the Serials workform. The same also applies to the constant data workforms for textual Serials and textual Integrating Resources.

- Continue to use the Serials 006 for non-textual Serials and non-textual Integrating Resources.

**Searching**

New search limiters for Continuing Resources (cnr) and Integrating Resources (int) can be used only in command line searches.

- In command line searches, *ser* will retrieve only (traditional) Serials, and will not include Integrating Resources; *int* will retrieve only textual Integrating Resources; *cnr* will retrieve all records in both the *ser* and *int* categories.
- When qualifying searches using the format dropdown list on the WorldCat Search dialog, “Serials” will retrieve only (traditional) Serials; neither Integrating Resources nor Continuing Resources is an option in the dropdown list.

Search results for Integrating Resources:

- In brief record displays, records with Type *a BLvl i* will be identified with [INTEGRATING RESOURCE].
- In group displays, records with Type *a BLvl i* will be grouped together, but the format heading “Textual Integrating Resources” will not be present in the display.

**BLvl**

The dropdown list in the Bibliographic Level fixed field (BLvl) will not include the new code *i*. You may input the new code manually.

**ISSN**

The ISSN fixed field (ISSN) will remain present in the workform, but the only valid value will be blank (Ø). Any existing ISSN value will be converted to 022 subfield Ÿ2 as the record is displayed, when appropriate.
Part and TrAr

Neither the Part nor the TrAr fixed field element will appear in the Music fixed field or 006 for Scores or Sound Recordings.

- If a Replace is performed, any value in either position (including any value added in Connexion client 1.60 or Connexion browser) will be preserved in the WorldCat master record.
- If an Export is performed, both positions will appear as blank ( quicker in the exported record.
- If an Update is performed, any value in either position (including any value added in Connexion client 1.60 or Connexion browser) will be preserved in the archive record.

Relf

Code h will remain in the Relief fixed field (Relf) dropdown list, but records containing it will not pass validation.

Musical Incipits phrase index

The new phrase index (mi=) for Musical Incipits (field 031 subfield ‡p) will not be available.

Language codes

The dropdown list in the Language fixed field (Lang) will not include new or changed Language Codes. You may input the new codes manually.

For searching, new and changed Language Codes will not appear in the Search WorldCat dropdown list, but can be used in command line searches.

Country codes

The dropdown list in Country fixed field (Ctry) will not include new or changed Country Codes. You may input the new codes manually.

New characters

New characters are already present in all relevant character entry tables, but do not currently pass validation. They will pass validation after the May Connexion host installation, but should not be used until they are announced in June 2006.

- If you save a record to the local file in client 1.50 and use Unicode Export to export it from client 1.50 or 1.60, the Unicode value for Alif is 02BE (old value).
- If you save a record to the local file in client 1.60 and use Unicode Export to export it from client 1.50 or 1.60, the Unicode value for Alif is 02BC (new value).

MARC-8 Export:

Although the MARC-8 value has not changed for the Alif, Connexion client 1.50 users must download a software patch to continue exporting the correct MARC-8 value in:

- Records from WorldCat online or from the WorldCat online save file
- Records saved in the local save file after the May 2006 Connexion host installation

The software patch will be available on the Connexion Client Known Problems page at http://www.oclc.org/connexion/support/client_known_problems.htm.

Offline Validation:

In both Connexion client 1.50 and 1.60, records containing the Alif saved in the local save file before the May 2006 Connexion host installation will fail offline validation. Simply perform an online validation instead and the records will pass.
Technical Bulletins Online

Introduction
This section covers retrieving technical bulletins in electronic form.

OCLC web site
To access technical bulletins on the OCLC Web site:

<table>
<thead>
<tr>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>Type <a href="http://ww.oclc.org/support/documentation/technicalbulletins/">http://ww.oclc.org/support/documentation/technicalbulletins/</a> in the address bar of your Web browser.</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
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