



Technical Bulletin 262

OCLC-MARC Format Update 2013

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About Technical Bulletin 262

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Why read this?

To learn about changes to OCLC-MARC records, many of which are related to Resource Description and Access (RDA). These changes are based on:

- MARC 21 Format for Bibliographic Data Update 15 (September 2012)
- MARC 21 Format for Authority Data Update 15 (September 2012)
- MARC 21 Format for Holdings Data Update 15 (September 2012)
- 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

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.

New fields, subfields, and indicators: These may be used in both Connexion interfaces now, with two exceptions:

1. The bibliographic 883 field is being implemented in Connexion for possible future use. Do not use field 883 at this time.
2. NACO participants should not input the new subfields in the authority 368 field until an announcement regarding their use is made by the Program for Cooperative Cataloging.

New codes: These may be used in both Connexion interfaces now.

New searching and indexing capabilities: All new searching and indexing capabilities will be available in both Connexion interfaces (client and browser) in the future. OCLC will announce availability via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

After installation, all indexing changes will gradually become apparent as WorldCat is re-indexed.

Database scans

OCLC will convert data to its appropriate new format to the extent that is possible.

Support

Contact OCLC for support in English, Spanish and Portuguese.

Hours: 7:00 am–9:00 pm U.S. Eastern time, Monday through Friday

USA: 1-800-848-5800

International: 1-614-793-8682

E-mail: *support@oclc.org*

Documentation affected

Authorities: Formats and Indexes, Bibliographic Formats and Standards, Connexion browser Help, Connexion client Help, OCLC-MARC Records, and Searching WorldCat Indexes.

Conventions

Throughout the technical bulletin, **R** = Repeatable and **NR** = Nonrepeatable. The blank character may be represented as **␣**.

1 Bibliographic Record Changes

FMus Format of Music (SCO 008/20 & 006/03)

Changed code definition for SCO format	c	Accompaniment reduced for keyboard. Score with instrumental accompaniment reduced for keyboard(s). For chorus scores and vocal scores prefer codes <i>h</i> (Chorus score) and <i>k</i> (Vocal score).
	d	Voice score with accompaniment omitted. Score for solo and/or choral voice(s) with the accompaniment omitted. Vocal works originally unaccompanied are assigned other codes as appropriate. For chorus scores and vocal scores, prefer codes <i>h</i> (Chorus score) and <i>k</i> (Vocal score).
	h	Chorus score. Score of a work for solo voices and chorus showing only the parts for chorus, with the instrumental accompaniment either arranged for keyboard(s) or other chordal instrument(s) or omitted. Note: See code <i>k</i> (Vocal score) for scores that include solo voices as well as chorus parts.
New code	k	Vocal score. Score showing all vocal parts, solo and/or choral, with the instrumental accompaniment either arranged for keyboard(s) or other chordal instrument(s) or omitted. Note: See code <i>h</i> (Chorus score) for scores of works for solo voices and chorus that include only chorus parts.

024 Other Standard Identifier (R)

ISMN - International Standard Music Number redefined	<p>ISMN is an agency-assigned data element. ISMNs are assigned to music publications by designated agencies in each country participating in the program.</p> <p>An ISMN consists of ten or thirteen digits. The 10-digit ISMN, used before 2008, is comprised of the letter <i>M</i> followed by 8 digits (variable length publisher number plus item number) plus a single character check digit. The check digit applies to the previous 8 digits.</p> <p>The 13-digit ISMN, used since 2008, has the prefix 979 and a <i>0</i> to replace the <i>M</i>, then 8 digits plus the final check digit. The check digit applies to the previous 12 digits. A 13-digit ISMN is identical to the EAN-13 number encoded in the bar code. The structure is specified in ISO 10957.</p> <p>An ISMN usually appears on an item preceded by the initialism ISMN and with functional parts separated by a hyphen or space. Enter the ISMN without hyphens or spaces.</p>
New 1st indicator coding practice	All ISMNs (both 10 and 13-digit) should be coded with a first indicator value of 2.

028 Publisher Number (R)

New subfield ‡q Qualifying information (R)

Contains qualifiers associated with the number such as part to which number pertains, where number found on item, etc.

Printing display
constants changed

For 1st indicator value *0* or *1*, the print program changes the order of the subfield data before printing (i.e., the data in subfield ‡b precede the data in subfield ‡a, which precede the data in subfield ‡q). It supplies a colon and a space between the name in subfield ‡b and the number in subfield ‡a, a space between the number in subfield ‡a and the parenthetical data in subfield ‡q, and a period at the end of the note.

If the 1st indicator value is *0* and field 028 is:

028 02 K2 31158 ‡b EMI Music Canada ‡q (on label)

Then field 028 prints as the first note:

EMI Music Canada: K2 31158 (on label)

If the 1st indicator value is *1*, *2*, or *3*, the print program supplies a period at the end of the note:

028 32 12 0575 07 01 ‡n Novello ‡q (parts)

Then field 028 prints as the last note:

Publisher's no.: 12 0575 07 01 (parts).

If you want to print a note but you cannot provide it from field 028 (e.g., if multiple numbers are to print as a range), use 2nd indicator value *0* or *3* and enter the note in field 500.

041 Language Code (R)

Changed definition

Field 041 may also be used to express the original language of the work

Changed VIS guideline

Field 041 may also be used to record additional language-related information about written or original languages on motion pictures and videorecordings.

082 Dewey Decimal Classification Number (R)

Indexing

Subfields ‡a, ‡b, ‡m, ‡q, and ‡2 will be indexed in the new Dewey General index (d6:).

Indexing changes will be available in the future. OCLC will announce availability of indexing changes via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

083 Additional Dewey Decimal Classification Number (R)

Indexing Subfields ‡a, ‡c, ‡y, and ‡z will be indexed in the new Dewey Additional index (d3:).

Examples

‡a 003.52 indexed as: 003.52
‡z 1 ‡a 01 indexed as: 1--01

‡a 155 ‡y 1 ‡a 2 indexed as: 155:2
‡a 264.04 ‡c 264.09 ‡y 1 ‡a 09 indexed as: 264.04-264.09:09

Subfields ‡a, ‡c, ‡y, and ‡z will be indexed in the new Dewey General index (d6:).

Subfield ‡2 will be indexed in the Dewey Decimal edition number index (d2:).

Indexing changes will be available in the future. OCLC will announce availability of indexing changes via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

085 Synthesized Classification Number Components (R)

Indexing Subfields ‡c, ‡r, ‡w, and ‡z, as well as ‡s and ‡t will be indexed in the new Dewey Component index (d5:).

Examples

‡z 1 ‡s 01 indexed as: 1--01
‡r 003 ‡s 52 indexed as: 003.52

‡w 155 ‡y 1 ‡t 2 indexed as: 155.2
‡w 264.04 ‡c 264.09 ‡y 1 ‡t 09 indexed as: 264.04-264.09:09

Subfields ‡a, ‡b, ‡c, ‡r, ‡s, ‡t, ‡u, ‡v, ‡w, and ‡z will be indexed in the new Dewey Full index (d4:).

Subfields ‡a, ‡b, ‡c, ‡r, ‡s, ‡t, ‡u, ‡v, and ‡w are indexed in the new Dewey General index (d6:). Pattern: Combine Dewey Decimal class number (dd:), Dewey Additional (d3:), and Dewey Full (d4:) indexes. **Note:** The Dewey Component (d5:) index is a subset of the Dewey Full index (d4:).

Note on subfield ‡s. If there is no subfield ‡z but subfield ‡r is present, a period is inserted the after third digit of subfields ‡r and ‡s. If there is no subfield ‡z and no subfield ‡r present, zeros are added to subfield ‡s until it is three digits long.

Note: 085 fields derived from editorially-created 765 fields in MARC Classification records will not include subfield ‡v, but 085 fields provided by other parties might.

Indexing changes will be available in the future. OCLC will announce availability of indexing changes via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

261 Imprint Statement for Films (Pre-AACR1 Revised) (NR)

Field 261 invalidated and converted to field 260	Field 261 subfields have been converted as below. 261 †a converts to field 260 †b 261 †b converts to field 260 †b 261 †d converts to field 260 †c 261 †e converts to field 260 †f 261 †f converts to field 260 †a
Conversion: order of subfields	When 261 subfield †d follows †a, †b, and/or †e, retain the order of these subfields and the punctuation between the subfield Notes when converting to 260. When field 261 contains a single subfield †f, it is moved to the beginning of the 260 field. When field 261 contains multiple subfields †f, the first †f is moved to the beginning of the 260 field. Move any subsequent subfields †f in front of the subfield †a, †b, and/or †e that it follows.
Conversion: punctuation	Any period that follows an identifiable abbreviation or is at the end of the field is retained. Other periods are converted to commas.
Incorrect conversion	Any incorrectly converted 261 fields should be corrected when possible or reported to OCLC via bibchange@oclc.org .

262 Imprint Statement for Sound Recordings (Pre-AACR2) (NR)

Field 262 invalidated and converted to field 260	Most field 262 subfields have been converted as below. 262 †a converts to field 260 †a 262 †b converts to field 260 †b 262 †c converts to field 260 †c 262 †k converts to field 028 †a; 262 †b is also copied to 028 †b; 028 first and second indicators are set to 0 and 1, respectively 262 †l converts to field 028 †a; 262 †b is also copied to 028 †b; 028 first and second indicators are set to 1 and 1, respectively
Conversion: order of subfields	When 261 subfield †d follows †a, †b, and/or †e, retain order of these subfields and the punctuation between the subfield Notes when converting to 260. When field 261 contains a single subfield †f, it is moved to the beginning of the 260 field. When field 261 contains multiple subfields †f, the first †f is moved to the beginning of the 260 field. Move any subsequent subfields †f in front of the subfield †a, †b, and/or †e that it follows.
Conversion: punctuation	Any period that follows an identifiable abbreviation or is at the end of the field is retained. Other periods are converted to commas.
Unconverted or incorrectly converted 262 fields	Due to incorrectly coded or contradictory data, many 262 fields remain unconverted. Any unconverted or incorrectly converted 262 fields should be corrected when possible or reported to OCLC via bibchange@oclc.org .

380 Form of Work (R)

Indexing Subfield ‡a will be indexed in the Genre/Form index (ge: and ge=).

Indexing changes will be available in the future. OCLC will announce availability of indexing changes via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

502 Dissertation Note (R)

Indexing Subfield ‡b will be indexed in the new Thesis/Dissertation Degree index (db:).

Subfield ‡c will be indexed in the new Thesis/Dissertation Institution index (di:).

Subfield ‡d will be indexed in the new Thesis/Dissertation Date index (dy:).

Indexing changes will be available in the future. OCLC will announce availability of indexing changes via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

511 Participant or Performer Note (R)

First indicator values
invalidated and
converted

1st indicator	‡	No information provided Obsolete. Converted to 0 (No display constant generated).
	2	Presenter Obsolete. Converted to 0 (No display constant generated).]
	3	Narrator Obsolete. Converted to 0 (No display constant generated).

Incorrect conversion Any incorrectly converted 511 fields should be corrected when possible or reported to OCLC via bibchange@oclc.org.

546 Language Note (R)

Revised definition Textual information on the language or notation system used to convey the content of the described materials. A description of the alphabet, script, or other symbol system (e.g., Arabic alphabet, ASCII, musical notation system, bar code, logarithmic graphing) may also be included. Coded language information is contained in fields 008/35-37 (Language) and/or 041 (Language code).

Revised subfields ‡a Language note (NR)
Specifies the language(s) of the resource.

- ‡b Information code or alphabet (R)
Specifies the alphabet, script, or notation system that is used in the resource.
[new first sentence of definition]

Example

546 ‡b staff notation.

[For an instrumental piece: *String quartet for two violins, viola, and cello*]

583 Action Note (R)

Indexing Subfield ‡f will be indexed in the new Action Note Authorization index (index label is to be determined).

Indexing changes will be available in the future. OCLC will announce availability of indexing changes via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

883 Machine-Generated Metadata Provenance (R)

New field

Note: Field 883 is being implemented in Connexion for possible future use. Do not use field 883 at this time.

Definition Used to provide information about the provenance of metadata in data fields in the record, with special provision for machine generation. Field 883 contains a link to the field to which it pertains. Intended for use with data fields that have been fully or partially machine-generated, i.e., generated by some named process other than intellectual creation.

1st indicator Method of Machine Assignment

- ‡ No information provided/not applicable
- 0 Fully machine-generated
Data in linked field was fully machine-generated
- 1 Partially machine-generated
Data in linked field was partially machine-generated

2nd indicator ‡ Undefined

Subfields ‡a Generation process (NR)
Identifies the process used to produce the data contained in the linked field. The subfield may contain a process name or some other description.

- ‡c Confidence value (NR)
Describes the confidence of the agency using the process/activity identified in subfield ‡a to generate the linked field. The subfield contains a floating point value between 0 and 1. Either a comma or a point may be used as a decimal marker. 0 means no confidence and 1 means full confidence.

- ‡d Generation date (NR)
Date on which the linked field was generated. This also serves as the beginning of the period of validity. Date is recorded in the format *yyyymmdd* in accordance with *ISO 8601, Representation of Dates and Times*.

- ‡q Generation agency (NR)
MARC organization code of the institution using the process/activity to generate the linked field. Code from: MARC Code List for Organizations (<http://www.loc.gov/marc/organizations/>).

- ‡x Validity end date (NR)
Date representing expected end of period of validity for the data in the linked field. Date is recorded in the format *yyyymmdd* in accordance with *ISO 8601, Representation of Dates and Times*.
- ‡u Uniform Resource Identifier (NR)
Uniform Resource Identifier (URI), for example a URL or URN, which identifies the process used to produce the data contained in the field to which 883 is linked. The URI can lead to a textual or structured description of the process, or the URL that was used to generate the linked field's content can be provided directly, i.e., a URL invoking a web service or conveying an API call.
- ‡w Bibliographic record control number (R)
Control number of the bibliographic record from which the data in the linked field was obtained.
- ‡0 Authority Record Control Number or Standard Number (R)
Subfield ‡0 contains the system control number of the related authority record, or a standard identifier such as an International Standard Name Identifier (ISNI). The control number or identifier is preceded by the appropriate MARC Organization code (for a related authority record) or the Standard Identifier source code (for a standard identifier scheme), enclosed in parentheses. See *MARC Code List for Organizations* (<http://www.loc.gov/marc/organizations/>) for a listing of organization codes and *Standard Identifier Source Codes* (<http://www.loc.gov/standards/sourcelist/standard-identifier.html>) for code systems for standard identifiers. Subfield ‡0 is repeatable for different control numbers or identifiers. **Note:** Do not input subfield ‡0 in master records, instead use the control headings function. Local authority identifiers may be entered in subfield ‡0 locally, but should not be added to master records in WorldCat.
- ‡8 Field Link and Sequence Number (R)
Identifies linked fields and may also propose a sequence for the linked fields. Subfield ‡8 may be repeated to link a field to more than one other group of fields. You are responsible for creating and maintaining the link (The system does not create or maintain these links). The structure and syntax for the field link and sequence number subfield is:

‡8 [linking number].[sequence number][field link type]

Note: Subfield ‡8 is defined differently in field 852, where it is used to sequence related holdings records.

Subfield ‡8 has three parts:

Linking number is the first data element in the subfield and required if the subfield is used. It is a variable-length whole number that occurs in subfield ‡8 in all fields that are to be linked. Fields with the same linking number are considered linked.

Sequence number is separated from the linking number by a period '.' and is optional. It is a variable-length whole number that may be used to indicate the relative order for display of the linked fields (lower sequence numbers display before higher ones). If it is used it must occur in all ‡8 subfields containing the same linking number.

Field link type is separated from preceding data by a reverse slash '\'. It is a code indicating the reason for the link and it follows the link number, or sequence number if present. Field link type is required except when ‡8 is used to link and sequence 85X-87X holdings fields. The following one-character field link type codes have been defined in MARC for use in subfield ‡8.

- Field link type codes
- a Action
Links one or more fields with another field to which the processing or reference actions relate. This code is typically used only when there is more than one 5xx field that relates to another 5xx field.
 - c Constituent item
Used in a record for a collection, or a single item consisting of identifiable constituent units, to link the fields relating to the constituent units. All other non-linked data elements in the record pertain to the collection or item as a whole.
 - p Metadata provenance
Used in a record to link a field with another field containing information about provenance of the metadata recorded in the linked field.
 - r Reproduction
Used in a record for a reproduction to identify fields linked because they contain information concerning only the reproduction. Other descriptive information in the record pertains to the original (with the exception of field 007 (Physical Description Fixed Field), 008 (Fixed-Length Data Elements: Books, Music, Serials, or Mixed Material) position 23 (Form of item), field 245 subfield ‡h (Title Statement / Medium), and field 533 (Reproduction Note)).
 - x General sequencing
Used in a record to make a link between fields to show a sequence between them. The sequence could be one that orders the pieces of a long field that has been broken up, indicates the relative importance of fields within the sequence, or is used for some other sequencing purpose. Use of the sequence number in ‡8 is required when this code is used.

Indexing Subfields ‡a, ‡u will be indexed in the Generation Process index (gp: and gp=).
Subfield ‡q will be indexed in the Generation Agency index (ga=).

Indexing changes will be available in the future. OCLC will announce availability of indexing changes via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

994 OCLC-MARC Transaction Code (NR)

- Field 994 has been used since 1999, but is now added to Bibliographic Formats and Standards.
- Definition Field 994 contains the codes that identify the transaction that created the record. Field 994 is system generated on export or OCLC-MARC record output. This field cannot be edited or input manually. **Note:** In OCLC MARC Records, this field has been documented as “OCLC-MARC Processing Information.”
- History Before June 6, 1999, transaction codes were stored in Leader byte 22 (Transaction Type Code).
- From June 6, 1999-December 31, 1999, transaction codes were stored in field 994 and Leader byte 22. **Note:** This was the transitional period during which field 994 was implemented in various OCLC products and services at various times. Transaction codes continued to be stored in Leader byte 22 during this time.
- From January 1, 2000-November 11, 2006, transaction codes were stored in field 994 and Leader byte 22.
- From November 12, 2006-present, transaction codes were stored in field 994. **Note:** Connexion client 1.60 used both field 994 and Leader byte 22 until it was discontinued on April 1, 2007.

1st indicator	␣	Undefined
2nd indicator	␣	Undefined
Subfields	‡a	Transaction code (NR) A 2-character code that identifies the transaction that created the record. Transaction codes and types are given below: Codes 00 Retrieve 01 Produce 02 Update 03 Delete Holdings 10 Add 11 Replace 12 Delete 50 All produce 90 Offline retrieve 91 Offline produce 92 Offline update 93 Offline delete holdings A1 Bibliographic Record Snapshot (formerly, Local Database Creation, PRISM Keying Service record creation 1) C0 Exported from Connexion (formerly, CORC 1) E0 Exported from OCLC Cataloging Service (formerly, e) X0 Exported from CatME or OCLC CJK (formerly, x) 1 Z0 Z39.50 Cataloging records 1 Discontinued service(s)
	‡b	Institution symbol (NR) OCLC institution symbol for the institution generating the transaction.
Indexing		Field 994 is not indexed.
Printing		When printing catalog cards, field 994 does not print.

Subfield ‡8 (Field Link and Sequence Number)

New field link type code	p	Metadata provenance Used in a record to link a field with another field containing information about provenance of the metadata recorded in the linked field.
Added to these fields		082 083 085 541 583 590 852 853 854 855 863 864 865 866 867 868 876 877 878 891

2 Authority Record Changes

368 Other Attributes of Person or Corporate Body (R)

Note: NACO participants should not input these new subfields until an announcement regarding their use is made by the Program for Cooperative Cataloging.

Field renamed	Other Attributes of Person or Corporate Body. Formerly, Other Corporate Body Attributes.
Definition revised	Any attribute that serves to characterize a person or corporate body or that may be needed for differentiation from other persons or corporate bodies and for which separate content designation is not already defined. For a person: Can include designations of the title of a person or other attributes. For a corporate body: Can include designations indicating the type of corporate body or jurisdiction, or other attributes.
Subfield revised	‡c Other designation (R) An appropriate designation in the language preferred by the agency creating the data of an attribute of the entity that is not provided for in subfields ‡a (Type of corporate body), ‡b (Type of jurisdiction), or ‡d (Title of person).
New subfields	‡d Title of person (R) Designation indicative of royalty, nobility, or ecclesiastical rank or office, or a term of address for a person of religious vocation. ‡s Start period (NR) The starting date associated with the attribute of a person or corporate body. ‡t End period (NR) The end date associated with the attribute of a person or corporate body. ‡u Uniform Resource Identifier (R) Uniform Resource Identifier (URI), for example a URL or URN, which provides electronic access data in a standard syntax. This data can be used for automated access to an electronic item using one of the Internet protocols. In field 368, subfield ‡u is used to record the location of the source of the information about other attributes of person or corporate body accessible electronically. ‡v Source of information (R) Source where the information recorded in field 368 was found if not through a URI.

3 Holdings Record Changes

583 Action Note (R)

Indexing Subfields ‡f will be indexed in the new Action Note Authorization index (index label is to be determined).

Indexing changes will be available in the future. OCLC will announce availability of indexing changes via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

883 Machine-Generated Metadata Provenance (R)

New field

Note: Field 883 is being implemented in Connexion for possible future use. Do not use field 883 at this time.

Definition Used to provide information about the provenance of metadata in data fields in the record, with special provision for machine generation. Field 883 contains a link to the field to which it pertains. Intended for use with data fields that have been fully or partially machine-generated, i.e., generated by some named process other than intellectual creation.

1st indicator Method of Machine Assignment

- ‡ No information provided/not applicable
- 0 Fully machine-generated
Data in linked field was fully machine-generated
- 1 Partially machine-generated
Data in linked field was partially machine-generated

2nd indicator ‡ Undefined

Subfields

- ‡a Generation process (NR)
Identifies the process used to produce the data contained in the linked field. The subfield may contain a process name or some other description.
- ‡c Confidence value (NR)
Describes the confidence of the agency using the process/activity identified in subfield ‡a to generate the linked field. The subfield contains a floating point value between 0 and 1. Either a comma or a point may be used as a decimal marker. 0 means no confidence and 1 means full confidence.
- ‡d Generation date (NR)
Date on which the linked field was generated. This also serves as the beginning of the period of validity. Date is recorded in the format *yyyymmdd* in accordance with ISO 8601, *Representation of Dates and Times*.
- ‡q Generation agency (NR)
MARC organization code of the institution using the process/activity to generate the linked field. Code from the *MARC Code List for Organizations* (<http://www.loc.gov/marc/organizations/>).
- ‡x Validity end date (NR)
Date representing expected end of period of validity for the data in the linked field. Date is recorded in the format *yyyymmdd* in accordance with ISO 8601, *Representation of Dates and Times*.

- ‡u Uniform Resource Identifier (NR)
Uniform Resource Identifier (URI), for example a URL or URN, which identifies the process used to produce the data contained in the field to which 883 is linked. The URI can lead to a textual or structured description of the process, or the URL that was used to generate the linked field's content can be provided directly, i.e., a URL invoking a web service or conveying an API call.
- ‡w Bibliographic record control number (R)
Control number of the bibliographic record from which the data in the linked field was obtained.
- ‡0 Authority Record Control Number or Standard Number (R)
Subfield ‡0 (zero) contains the system control number of the related authority record, or a standard identifier such as an International Standard Name Identifier (ISNI). The control number or identifier is preceded by the appropriate MARC Organization code (for a related authority record) or the Standard Identifier source code (for a standard identifier scheme), enclosed in parentheses. See *MARC Code List for Organizations* (<http://www.loc.gov/marc/organizations/>) for a listing of organization codes and *Standard Identifier Source Codes* (<http://www.loc.gov/standards/sourcelist/standard-identifier.html>) for code systems for standard identifiers. Subfield ‡0 is repeatable for different control numbers or identifiers.
- ‡8 Field Link and Sequence Number (R)
Identifies linked fields and may also propose a sequence for the linked fields. Subfield ‡8 may be repeated to link a field to more than one other group of fields. You are responsible for creating and maintaining the link (The system does not create or maintain these links). The structure and syntax for the field link and sequence number subfield is:

‡8 [linking number].[sequence number][field link type]

Note: Subfield ‡8 is defined differently in field 852, where it is used to sequence related holdings records.

Subfield ‡8 has three parts:

Linking number is the first data element in the subfield and required if the subfield is used. It is a variable-length whole number that occurs in subfield ‡8 in all fields that are to be linked. Fields with the same linking number are considered linked.

Sequence number is separated from the linking number by a period '.' and is optional. It is a variable-length whole number that may be used to indicate the relative order for display of the linked fields (lower sequence numbers display before higher ones). If it is used it must occur in all ‡8 subfields containing the same linking number.

Field link type is separated from preceding data by a reverse slash '\'. It is a code indicating the reason for the link and it follows the link number, or sequence number if present. Field link type is required except when ‡8 is used to link and sequence 85X-87X holdings fields. The following one-character field link type codes have been defined in MARC for use in subfield ‡8.

- | | |
|-----------------------|--|
| Field link type codes | <ul style="list-style-type: none"> a Action
Links one or more fields with another field to which the processing or reference actions relate. This code is typically used only when there is more than one 5xx field that relates to another 5xx field. p Metadata provenance
Used in a record to link a field with another field containing information about provenance of the metadata recorded in the linked field. |
|-----------------------|--|

- x General sequencing
 - Used in a record to make a link between fields to show a sequence between them. The sequence could be one that orders the pieces of a long field that has been broken up, indicates the relative importance of fields within the sequence, or is used for some other sequencing purpose. Use of the sequence number in ‡8 is required when this code is used.

Indexing

Subfields ‡a, ‡u will be indexed in the new Generation Process index (gp: and gp=). Subfield ‡q will be indexed in the new Generation Agency index (ga=).

Indexing changes will be available in the future. OCLC will announce availability of indexing changes via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

Subfield ‡8 (Field Link and Sequence Number)

New field link type code p Metadata provenance
 Used in a record to link a field with another field containing information about provenance of the metadata recorded in the linked field.

Added to these fields 017
 020
 022
 024
 035
 337
 338
 506
 538
 541
 561
 562
 563
 583
 842
 843
 844
 845
 853
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 855
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 864
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 868
 876
 877
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4 Indexing Changes

Availability of indexing changes in Connexion interfaces

New searching and indexing capabilities: All new searching and indexing capabilities will be available in both Connexion interfaces (client and browser) in the future. OCLC will announce availability via logon Messages of the Day, Connexion News, and the OCLC-CAT listserv.

After installation, all indexing changes will gradually become apparent as WorldCat is re-indexed.

Bibliographic indexing changes

New indexes

New index	Contains
Action Note Authorization index ¹	583 †f
Dewey Additional index (d3:)	083 †a †c †y †z
Dewey Component index (d5:)	085 †c †r †s †t †u †w †z
Dewey Full index (d4:)	085 †a †b †c †r †s †t †u †v †w †z
Dewey General index (d6:)	082 †a 083 †a †c †y †z 085 †a †b †c †r †s †t †u †v †w †z 092 †a 695 †a
Generation Agency index (ga=)	883 †q
Generation Process index (gp: and gp=)	883 †a †u
Thesis/Dissertation Date index (dy:)	502 †d
Thesis/Dissertation Degree index (db:)	502 †b
Thesis/Dissertation Institution index (di:)	502 †c

¹ Index label to be determined.

Additions to indexes

Index	Now contains
Dewey Decimal Edition Number index (d2:)	083 †2
Genre/Form index (ge: and ge=)	380 †a

Authorities indexing changes

New indexes

New index	Contains
Generation Agency index (ga=)	883 †q
Generation Process index (gp: and gp=)	883 †a †u

Additions to indexes

Index	Now contains
Entity Attributes index (en:)	368 ‡d ‡s ‡t

Holdings indexing changes

New indexes

New index	Contains
Action Note Authorization index ¹	583 ‡f
Generation Agency index (ga=)	883 ‡q
Generation Process index (gp: and gp=)	883 ‡a ‡u

¹ Index label to be determined

5 MARC Code List Changes

Availability of codes in Connexion interfaces

New codes: These may be used in both Connexion interfaces now.

New Cartographic Data Source Codes

Cartographic source codes are located in these fields:

Format	Field/subfield
Bibliographic	034 ‡2
Authority	034 ‡2

Below are the new codes. For the full list, see *Cartographic Data Source Codes* (<http://www.loc.gov/standards/sourcelist/cartographic-data.html>).

New code	Bibliographic citation
cwg	Cambridge world gazetteer: a geographical dictionary (Cambridge ; New York: Cambridge University Press)
edm	Enciclopedia de México (Ciudad de México: Enciclopedia de México)
fnib	Foreign names information bulletin (Washington, D.C.: Defense Mapping Agency)

New Subject Heading and Term Source Codes

Subject heading and term source codes are located in these fields.

Format	Field/subfield
Bibliographic	033 ‡2 257 ‡2 380, 381 ‡2 518 ‡2 600-651, 654, 662 ‡2 751, 752 ‡2
Authority	370, 372, 373, 376, 380, 381 ‡2 700-751 ‡2

Below are the new codes. For the full list, see *Subject Heading and Term Source Codes* (<http://www.loc.gov/standards/sourcelist/subject.html>).

New code	Bibliographic citation
bib1814	1814-bibliografi: emneord for 1814-bibliografi (Oslo: Nasjonalbiblioteket) (http://www.nb.no/baser/1814/emneord.html)
ddcut	Dewey Decimal Classification user terms (Dublin, Ohio: OCLC Online Computer Center)
lcmpt	Library of Congress medium of performance thesaurus for music (LCMPT) (http://www.loc.gov/catdir/cpso/medprf_thesaurus.html)

New code	Bibliographic citation
noram	Noram: emneord for Norsk-amerikansk samling (Oslo: Nasjonalbiblioteket) (http://www.nb.no/emigrasjon/NoAm-Subjects-published.xlsx)
ukslc	UK Standard Library Categories (London: BIC) (http://www.bic.org.uk/51/E4libraries-Subject-Category-Headings/)

New Classification Scheme Source Codes

Classification scheme source codes are located in these fields:

Format	Field/subfield
Bibliographic	052 ‡2 055 ‡2 084 ‡2 086 ‡2 852 ‡2
Authority	052 ‡2 065 ‡2 086 ‡2 087 ‡2
Holdings	852 ‡2

Below are the new codes. For the full list, see *Classification Scheme Source Codes* (<http://www.loc.gov/standards/sourcelist/classification.html>)

New code	Bibliographic citation
ics	International Classification for Standards (International Organization for Standardization) (http://www.iso.org/iso/ics6-en.pdf)
misklass	Klassifikasjonsskjema (Stavenger: Misjonshøgskolen)

New Description Convention Source Codes

Description convention source codes are located in these fields:

Format	Field/subfield
Bibliographic	040 ‡e
Authority	040 ‡e

Below are the new codes. For the full list, see *Description Convention Source Codes* (<http://www.loc.gov/standards/sourcelist/descriptive-conventions.html>)

New code	Bibliographic citation
isbd	ISBD: International Standard Bibliographic Description (ISBD Review Group/Standing Committee of the IFLA Cataloguing Section)
pn	Provider-Neutral E-Resource MARC Record Guidelines (Library of Congress, Program for Cooperative Cataloging) (http://www.loc.gov/aba/pcc/scs/documents/PCC-PN-guidelines.html)

New Standard Identifier Source Code

Standard identifier source codes are located in these fields:

Format	Field/subfield
Bibliographic	024 †2
Authority	024 †2
Holdings	024 †2

Below is the new code. For the full list, see *Standard Identifier Source Codes* (<http://www.loc.gov/standards/sourcelist/standard-identifier.html>).

New code	Bibliographic citation
danacode	Danacode (D.A.N.A. Systems)

New Name and Title Authority Source Codes

Name and Title Authority source codes are located in these fields:

Format	Field/subfield
Bibliographic	600-651, 654, 662 †2 751 †2 752 †2
Authority	700-751 †2

Below is the new code. For the full list, see *Name and Title Authority Source Codes* (<http://www.loc.gov/standards/sourcelist/name-title.html>).

New code	Bibliographic citation
banqa	Fichier d'autorité local de Bibliothèque et Archives nationales du Québec (Bibliothèque et Archives nationales du Québec)

New and Obsolete MARC Authentication Action Codes

MARC authentication action codes are located in these fields:

Format	Field/subfield
Bibliographic	042 †a
Authority	042 †a

Below are the new codes. For the full list, see *MARC Authentication Action Codes* (<http://www.loc.gov/standards/valuelist/marcauthen.html>).

New code	Bibliographic citation
norbibl (National Library of Norway (<i>Nasjonalbiblioteket</i>))	Code <i>norbibl</i> signifies that the descriptive elements have been edited and all headings were verified by the National Library of Norway.
nznb (New Zealand National Bibliography)	Code <i>nznb</i> signifies that the descriptive elements have been edited and all headings were verified against the relevant authority file to prepare the record for inclusion in the New Zealand National Bibliography.

Below are the obsolete codes.

Obsolete code	Converted to code	Bibliographic citation
lc (Library of Congress)	pcc	Code <i>lc</i> signifies that the CONSER descriptive elements and all headings have been verified by the Library of Congress. LC authenticates records not within the purview of Library and Archives Canada.
lcd (CONSER Full Authority Application)	pcc	Code <i>lcd</i> signifies that the CONSER descriptive elements and all headings have been verified by the Library of Congress or an authenticating CONSER participant.

New National Bibliography Number Source Code

National bibliography number source codes are located in these fields:

Format	Field/subfield
Bibliographic	015 ‡2

Below is the new code. For the full list, see *National Bibliography Number Source Codes* (<http://www.loc.gov/standards/sourcelist/national-bibliography.html>)

New code	Bibliographic citation
ldb	Letapis Druku Belarusi = Chronicle of the Press Belarus (Minsk: Natsyianal'naia kniznaia palata Belarusi)

New Relator Codes

Fields and subfields where codes are valid

Relator codes are valid in these bibliographic fields and subfields:

Format	Field/subfield
Bibliographic	100-111 ‡4 270 ‡4 600-611, 630, 650, 651, 654, 662, 696-699 ‡4 700-711, 720, 751, 760, 762, 765, 767, 770, 772, 773-777, 780, 785-787, 790-792, 796-798 ‡4 800-811, 896-898 ‡4
Authority	400-411, 430, 448, 450, 451, 455, 480-482, 485 ‡4 500-511, 530, 548, 551, 555, 580-582, 585 ‡4

Below are the new codes. For the full list, see *Relator Codes* (<http://www.loc.gov/marc/relators/relacode.html>)

New code	Relator term	Definition
prv	Provider	Use for a person or organization who produces, publishes, manufactures, or distributes a resource if specific codes are not desired (e.g. [mfr], [pbl]).
rcd	Recordist	Use for a person or organization who uses a recording device to capture sounds and/or video during a recording session, including field recordings of natural sounds, folkloric events, music, etc.
stg	Setting	Use for an entity in which the activity or plot of a work takes place, e.g. a geographic place, a time period, a building, an event.

Genre/Form Code and Term Source Codes

Genre/form and term source codes are located in these fields:

Format	Field/subfield
Bibliographic	336 ‡2 337 ‡2 338 ‡2 655 ‡2
Authority	040 ‡f 336 ‡2 755 ‡2 785 ‡2
Holdings	337 ‡2 338 ‡2

Below are the new and changed codes. For the full list, see *Genre/Form Code and Term Source Codes* (<http://www.loc.gov/standards/sourcelist/genre-form.html>). **Note:** The Library of Congress has changed its practice on using these codes. For details, see the Introduction section at the link.

Code	Bibliographic citation
isbdcontent	ISBD Area 0 (Content Form and Media Area)
isbdmedia	ISBD Area 0 (Content Form and Media Area)
ukslc	UK Standard Library Categories (London: BIC)

New Subject Category Source Code

Subject category source codes are located in these fields:

Format	Field/subfield
Bibliographic	072 ‡2
Authority	072 ‡2 073 ‡z

Below is the new code. For the full list, see *Subject Category Source Codes* (<http://www.loc.gov/standards/sourcelist/subject-category.html>)

New code	Bibliographic citation
ukslc	UK Standard Library Categories (London: BIC) (http://www.bic.org.uk/51/E4libraries-Subject-Category-Headings/)

Technical Bulletins Online

Introduction

This section covers retrieving technical bulletins in electronic form.

WWW

To access technical bulletins on the OCLC Web site:

	Action
1	Type <i>http://www.oclc.org/support/documentation/technicalbulletins.en.html</i> in the address bar of your Web browser.
2	Click the name of the technical bulletin you want to view.

Internet list

To subscribe to TECHBUL-L—a public list that e-mails an announcement of availability of new technical bulletins on the OCLC Web site:

Action
Type <i>http://www.oclc.org/content/forms/worldwide/en/internet-subscription.html</i> in the address bar of your Web browser. Or Type <i>subscribe techbul-l</i> in the body of an e-mail message and send it to <i>listserv@oclc.org</i> . To unsubscribe, type <i>unsubscribe techbul-l</i> in the body of an e-mail message, and send it to <i>listserv@oclc.org</i> or use the Internet List Request form.

Comments

The OCLC Documentation Department welcomes comments about this document. Please send them via e-mail to ***doc@oclc.org***.

Current OCLC Technical Bulletins

The list below is current as of June 2013. Technical Bulletins not listed are obsolete. Please discard them or mark them as obsolete.

No.	Date	Title	OCLC Documentation Affected
262	1306	<i>OCLC-MARC Format Update 2013</i>	<i>Bibliographic Formats and Standards, OCLC-MARC Records, Connexion browser Help, Connexion client Help, OCLC Local Holdings Format and Standards, Authorities: Format and Indexes</i>
261	1205	<i>OCLC-MARC Format Update 2012</i>	<i>Bibliographic Formats and Standards, OCLC-MARC Records, Connexion browser Help, Connexion client Help, OCLC Local Holdings Format and Standards, Authorities: Format and Indexes</i>
260	1108	<i>OCLC-MARC Format Update 2011</i>	<i>OCLC-MARC Records, Connexion browser Help, Connexion client Help, OCLC Local Holdings Format and Standards, Authorities: Format and Indexes</i>
259	1104	<i>Authorities System Changes</i>	<i>Connexion browser Help, Connexion client Help, Connexion Client Authorities Quick Reference, Authorities: Format and Indexes</i>
258	1005	<i>OCLC-MARC Format Update 2010</i>	<i>Bibliographic Formats and Standards, OCLC-MARC Records, Connexion browser Help, Connexion client Help, Searching WorldCat Indexes, OCLC Local Holdings Format and Standards, Authorities: Format and Indexes</i>
257	0709	<i>OCLC-MARC Format Update 2009</i>	<i>Bibliographic Formats and Standards, OCLC-MARC Records, Connexion browser Help, Connexion client Help, Searching WorldCat Indexes, OCLC Local Holdings Format and Standards, Authorities: Format and Indexes</i>
256	0708	<i>Abbreviated-level Record Guidelines</i>	<i>Bibliographic Formats and Standards, Connexion browser Help, Connexion client Help</i>
255	0508	<i>OCLC-MARC Format Update 2008</i>	<i>Bibliographic Formats and Standards, OCLC-MARC Records, Connexion browser Help, Connexion client Help</i>
254	0507	<i>OCLC-MARC Formate Update 2007 and Instiution Recod Changes</i>	<i>Bibliographic Formats and Standards, OCLC-MARC Records, Connexion browser Help, Connexion client Help</i>
253	0906	<i>ISBN and OCLC Number Changes</i>	<i>Authorities: Format and Indexes</i>
252	0506	<i>OCLC-MARC Format Update 2006</i>	<i>Authorities: Format and Indexes</i>
250	0310	<i>Parallel Records</i>	<i>Enhance Training Outline</i>
249	0304	<i>OCLC-MARC Format Update 2003</i>	<i>Authorities: Format and Indexes, OCLC-MARC Records</i>
247	0211	<i>OCLC-MARC Format Update 2002</i>	<i>Cataloging Electronic Resources: OCLC-MARC Coding Guidelines, OCLC-MARC Records</i>



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