



Technical Bulletin 241

National Library Control Number Changes

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About Technical Bulletin 241

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Why read this?

- To learn about the national library control number changes and their effect on OCLC[®] products and services.
- Control numbers in bibliographic and authority records from the Library of Congress, the British Library, the National Library of Canada, and the National Library of Medicine will change to reflect Year 2000 requirements. These changes will affect the OCLC-MARC records you receive and the way you search for them. These changes will allow OCLC to continue to process and load records from the national libraries.

Record processing information

Important: Sections 1, 4, and 5 describe changes that may affect local system processing of OCLC-MARC records.

Route to

Local system, OCLC Cataloging, OCLC Interlibrary Loan, OCLC Selection[™], and OCLC Union List[™] service staff.

Online installation

Changes will be installed in December 2000. OCLC will notify you about installation and conversions via a logon Message-of-the-Day.

- **The only changes immediately apparent are the changes in LCCN and ISSN searching.**
- Control numbers in the new formats may appear in December, depending on when users start entering them.
- Conversions to move some national library control numbers to appropriate fields will follow the December installation.

Support

Contact your OCLC regional service provider or the user training development manager at OCLC if you are an independent institution.

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

OCLC System Help

OCLC System Help will incorporate these changes at a future date.

Documentation affected

- *OCLC-MARC Tape and Export Record Formats*
- *OCLC Cataloging Service User Guide*
< <http://purl.org/oclc/cug> >
- *Bibliographic Formats and Standards*
< <http://purl.oclc.org/oclc/bib-formats> >
- *Authorities User Guide*
< http://www.oclc.org/oclc/man/5411aug/frames_man.htm >
- *Guidelines for National Level Enhance Participants*
< <http://www.oclc.org/oclc/cataloging/enhance/guidelines.htm> >
- *Enhance Training Outline*
< <http://www.oclc.org/oclc/cataloging/enhance/outline.htm> >
- *Searching WorldCat, an OCLC Tutorial*
< <http://www.oclc.org/oclc/menu/tutorial.htm> >
- *Searching for Bibliographic Records*
< <http://www.oclc.org/oclc/man/9798sbr/frtoc.htm> >
- *Union List User Guide* < <http://www.oclc.org/oclc/man/4141ulug/index.htm> >
- *Searching Tips for OCLC Z39.50 Cataloging*
< http://www.oclc.org/oclc/cataloging/z3950/zcat_searchtips.htm >
- *Z39.50 Configuration Guide for OCLC Z39.50 Cataloging*
< http://www.oclc.org/oclc/cataloging/z3950/zcat_config.htm >
- *OCLC Cataloging Express Service User Guide*
< <http://www.oclc.org/oclc/man/10482catx/index.htm> >

1 Library of Congress Control Number

LCCN format The Library of Congress Control Number (LCCN) format will change. The year will increase from 2 to 4 digits. The LCCN remains 12 characters. The 3-character prefix will be replaced by a 2-character prefix that can contain alphabetic characters or blanks. The supplement blank at the end of the field will be eliminated.

Issue date The Library of Congress plans to begin issuing control numbers in the new format effective January 2001.

Old and new LCCN formats The table below compares the old and new LCCN formats.

Bytes/Position	Current Format (old)		Format Beginning in 2001	
	No. of Bytes	Position	No. of Bytes	Position
Alphabetic Prefix	3	00-02	2	00-01
Year	2	03-04	4	02-05
Serial Number	6	05-10	6	06-11
Supplement Blank	1	11	N/A	N/A
Suffix/Alphabetic Identifier And/or Revision Date	Variable	12-n	N/A	N/A

LCCNs in bibliographic records The table below compares the old and new LCCN formats for bibliographic records. LCCNs display with the hyphen. Continue to enter the hyphen in bibliographic records.

Old LCCN format (assigned before 2001)

Example	MARC display	MARC output
No prefix	95-1234	␣␣95001234␣
1 character prefix	a99-1234	a␣99001234␣
2 character prefix	sn98-5934	sn␣98005934␣
3 character prefix*	abc98-123456	abc98123456␣
Suffix*	74-266//r892	␣␣74000266␣//r892

*These will not be used effective January 2001.

New LCCN format (assigned beginning 2001)

Example	MARC display	MARC output
No prefix	2001-1234	␣␣2001001234
1 character prefix	a2010-1234	a␣2010001234
2 character prefix	sn2001-5934	sn2001005934

Note: ␣=blank

LCCNs in authority records LCCNs in authority records continue to display without the hyphen. The only change is that the new format adds the 4-digit year. LCCNs in authority records will be system-generated in the new format. Below are examples of the old and new format displays. The year section is highlighted in boldface.

Old authority record display

n **7905**1955

New authority record display

n **2001**050268

LCCNs in authority records in CORC In CORC, LCCNs in authority records continue to display with the hyphen.

1 Library of Congress Control Number (continued)

Processing of old and new formats

The table below describes processing of old and new format LCCNs in authority records.

Processing	Old format	New format
Searching, indexing, matching, retrieval, and display	Yes	Yes
Number retained?	Yes, even if Library of Congress reissues record	Yes

Note: Old and new formats will be mixed in the OCLC databases and even in a single occurrence of field 010.

Field 010 and LCCNs

All LCCNs display and are input and output in field 010. Field 010 is restricted for LCCNs and National Library of Canada serials control numbers. Other control numbers are no longer allowed in field 010. Control numbers other than LCCNs that are in field 010 will be moved to other fields.

Suffix and revision information

The Library of Congress no longer uses suffixes and revision information. OCLC will remove all occurrences of suffixes and revision information from field 010. Do not input suffix and revision information in the 010 field.

2 LCCN Searching Change

Troublespot: changed LCCN bibliographic search

When searching for LCCNs in bibliographic records with the *fin* command and the LCCN index label (*ln*), include the hyphen. (Previously including the hyphen was optional.) The table below describes bibliographic searching.

If you search	You are searching	Use hyphen?	Example	Changed?
With <i>fin</i> command and index label <i>ln</i>	Numeric LCCN index	Yes	fin ln 78-52051	Yes
Without <i>fin</i> command and index label <i>ln</i>	Numeric LCCN index	Yes	78-52051	No

Troublespot: changed LCCN authority search

When searching for LCCNs in authority records using the bracket, include the hyphen. (Previously including the hyphen was optional.) The table below describes the authority searching.

If you search	You are searching	Use hyphen?	Example	Changed?
With <i>fin</i> command and index label <i>ln</i>	Numeric LCCN index	Yes	fin ln 78-52051	Yes
With bracket	Numeric LCCN index	Yes	[78-52051	Yes

3 ISSN Searching Changes

ISSN and searching This section describes the change to ISSN searching that results from the new LCCN format. Since the new format for LCCNs may look like an International Standard Serial Number (ISSN), you must search for ISSNs differently.

Troublespot: changed ISSN search When not using the *fin* command and index label to search the numeric ISSN index, omit the hyphen in the ISSN.

If you search	You are searching	Use hyphen?	Example	Changed?
Without <i>fin</i> command and index label	Numeric ISSN index	No	12345678	Yes

Unchanged ISSN search The table below describes unchanged ISSN searches.

If you search	You are searching	Use hyphen?	Example	Changed?
With <i>fin sn</i>	Numeric ISSN index	Optional	fin sn 12345678 fin sn 1234-5678	No
With <i>fin nn</i>	Keyword standard no. index	Yes	fin nn 1234-5678	No

ISSN searching in OCLC services The table below describes ISSN searching in OCLC services.

OCLC service	Name of search	Index searched	Use fin and index label?	Use hyphen?	Example
Cataloging ILL Union list Selection	ISSN (sn)	ISSN numeric	No	No	12345678
			Yes	Optional	fin sn 1234-5678 fin sn 12345678
	Keyword standard no. (nn)	Keyword standard no.	Yes	Yes	fin nn 1234-5678
Z39.50 cataloging	ISSN	ISSN	N/A	Yes	1234-5678
CatExpress	ISSN (ns)	Keyword	Index labels can be used. Do not use the <i>fin</i> command.	Yes	1234-5678 sn: 1234-5678

Note: In CatExpress the *sn* index label searches the keyword index, not the ISSN numeric index.

ISSN searching in CORC The table below describes ISSN searching in CORC.

Database	Name of search	Index searched	Use index label?	Use hyphen?	Example
WorldCat	ISSN numeric (sn)	ISSN numeric	No	No	12345678
			Yes	Optional	sn 1234-5678 sn 12345678
	Keyword standard no. (nn)	Keyword standard no.	Yes	Yes	nn 1234-5678
Resource Catalog	Standard no.	Resource Catalog standard no.	No	Yes	0272-0097

Note: The *fin* command cannot be used in CORC, regardless of database searched.

4 Non-LC National Library Control Numbers

Field 010 use restricted Only Library of Congress control numbers are input, stored, and displayed in field 010.

Exception: For CONSER purposes, serial records from the National Library of Canada contain National Library of Canada control numbers in the field 010.

Field 016

Field 016 is used for other national library control numbers and has been renamed and redefined. The table below describes field 016. For more information, see Technical Bulletin 236 on the Web at <http://www.oclc.org/oclc/tb/tb236/index.htm>.

User actions on locked records	User actions when local editing unlocked records	Enrichment replace	Catalog cards
Add, modify, or delete field 016 if users are authorized to lock and replace the record (enhance, CONSER, minimal-level upgrade, or member own replace)	Add, modify, or delete the field while local editing an unlocked record	Users may not input, modify, or delete for an enrichment replace, e.g., add subject headings or class numbers	016 does not print on catalog cards

Field 016 is part of the Standard Number index. For more information, see Technical Bulletin 235 Rev. on the Web at http://www.oclc.org/oclc/tb/tb235/frames_man.htm.

Merging duplicates and field 016

The new field 016 is added to the retained record whenever it is different. The table below contains the merging rules for 016 fields.

Records with	Merged record contains
Control numbers from different national libraries	Both numbers
Different control numbers from the same national library	Both numbers
Identical national library control numbers	Same number

Field 029

The table below describes field 029.

Defined by	Format	Used by	Control numbers contained
OCLC (for OCLC use only)	Free form. The field contains the number the library sends and the source of the number	OCLC Batchload service to match correction records with original record	National Library of Medicine British Library National Library of Australia National Library of Canada National Library of New Zealand OCLC PromptCat® vendor numbers

4 Non-LC National Library Control Numbers (continued)

British Library control number format

The British Library control number format was changed to add an alphabetic decade counter in January 2000. These numbers are stored in field 029. British Library control numbers formerly located in field 010 have been moved to field 029 and will also be copied to field 016. British Library control numbers are also present in the 015 field.

Old location	New location
010	016, 029 (also in 015)

Old and new British Library control number formats

The table below compares the old and new British Library Control Number formats. OCLC will not convert British Library Control Numbers from one format to another. All of the formats listed below may occur in the system.

	Pre-1992	1992-1999	2000 –
Position 1	b	b	b
Position 2	1 st digit of year	1 st digit of year	Alpha decade counter
Position 3	2 nd digit of year	2 nd digit of year	Year digit
Positions 4-8	Digits	Mix of digits & alphas	Mix of digits & alphas
Example	b7001391	b96Y4350	bC5A4350

National Library of Canada control number format

National Library of Canada control numbers will be stored in field 029 and field 016, effective January 2001. All occurrences of National Library of Canada control numbers in field 010 will be moved to fields 029 and 016. National Library of Canada serial control numbers remain in field 010 and 016.

Record type	Old field	New field
Serial	010, 016	010, 016
Non Serial	010	016, 029

Old and new National Library of Canada control number formats

The table below compares the old and new National Library of Canada control number formats. Both old and new format control numbers occur in the system.

Bytes/Position	Current Format (old)		Format Beginning in 2001	
	No. of Bytes	Position	No. of Bytes	Position
Blank	1	00	Not used	Not used
Year	2	01-02	4	00-03
Number	6	03-08	6	04-10
Check Digit	1	09	1	10
Language Code	1	10	1	11
Blank	1	11	Not used	Not used
Revision indicator	n	12-n	n	12-n
Display Example	009801421E		20019200304F	

4 Non-LC National Library Control Numbers (continued)

National Library of Medicine control number format

Historically, National Library of Medicine (NLM) control numbers have been stored in fields 029 and 016. NLM control numbers in field 069 will be moved to field 016. If the record contains multiple 069 fields, multiple 016 fields will be created. The NLM control numbers in field 029 are not affected by this change.

Old location	New location
029	029
069	016

Old and new National Library of Medicine control number formats

The table below compares the old and new National Library of Medicine control number formats. The format of NLM control numbers changed in 1998. Both old and new format numbers occur in the system.

Pre 1998 (old)	1998 - (new)
nnnnnnn (7 numerals)	nnnnnnnnn (9 numerals)
nnnnnnnn (8 numerals)	
nnnnnnna (7 numerals + 1 alphabetic character)	
nnnnnnnna (8 numerals + 1 alphabetic character)	

Field 069

OCLC used field 069 to record National Library of Medicine control numbers for record matching when batchloading NLM files. OCLC no longer requires field 069 for matching. Field 069 will be deleted from all records and the control numbers moved to field 016.

National Library of Australia control number format

The National Library of Australia (AUT) control numbers are carried and indexed solely as text in field 029. They are not in field 010. National Library of Australia numbers will also be copied to field 016.

5 National Library Control Number Changes and OCLC Products and Services

OCLC products and services

All OCLC systems and services that supply OCLC-MARC records will support both old and new national library control number formats. All OCLC systems and services support indexing, searching, matching, and retrieval for both old and new format LCCNs. OCLC will not convert LCCNs. LCCNs issued prior to 2001 have the 2-digit year. LCCNs issued starting in 2001 have the 4-digit year.

OCLC Cataloging Express™ service

CatExpress users will be able to search the Standard Number index and the LCCN index using both the old and new format. **OCLC recommends searching with the hyphen and without internal zeros to ensure more complete retrieval.**

Example: 2001-12345

Note: Searching without the hyphen and with internal zeros will produce incomplete results

Cataloging Micro Products

OCLC CatME™ for Windows and OCLC CJK™ software users must begin searching the LCCN and ISSN indexes as described in section 2 and 3 immediately after the December installation.

OCLC CatME version 1.20 and OCLC CJK version 3.10 will incorporate the changes to the display of the LCCN. OCLC expects to release these new versions in December 2000. Previous versions of OCLC CatME and OCLC CJK will not display the new format LCCNs correctly.

OCLC CatCD® for Windows will be updated later.

6 Technical Bulletins Online

Introduction

This section covers retrieving Technical Bulletins in electronic form.

WWW

To access Technical Bulletins on the OCLC Web site:

Step	Action
1	Type <i>www.oclc.org/oclc/menu/tb.htm</i> in the URL locator of your World Wide Web browser.
2	Click the name of the Technical Bulletin you want to view.

File Transfer Protocol

To retrieve Technical Bulletins via File Transfer Protocol:

Step	Action
1	Type <i>ftp.rsch.oclc.org</i> in the entry line of your FTP software and log on as <i>anonymous</i> using your e-mail address as the password.
2	Access the file at <i>/pub/documentation/tb/txt</i> .

Internet list

To subscribe to TECHBUL-L, a public list that e-mails an announcement of the availability of new Technical Bulletins on the OCLC Web site:

Action
Type <i>www.oclc.org/oclc/forms/listserv.htm</i> in the URL locator of your World Wide Web software. Click send after you complete the form.
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> .

Listserv

To retrieve Technical Bulletins from the listserv:

Action
Type <i>get tb_txt.[nnn]_txt</i> in the body of an e-mail message and send it to <i>listserv@oclc.org</i> . For example, type <i>get tb_txt.235_txt</i> to retrieve <i>Technical Bulletin 235</i> .

Comments

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

7 Current OCLC Technical Bulletins

List below is current as of April 2004. Technical Bulletins not listed are obsolete. Please discard them or mark them obsolete.

Reminder: Effective March 20, 2003, OCLC discontinued issuing printed copies of technical bulletins.

No.	Date	Title	Documentation Affected
250	0310	Parallel Records	Bibliographic Formats and Standards , Enhance Training Outline , Cataloging Service User Guide
249	0304	OCLC-MARC Format Update 2003	Authorities User Guide , Bibliographic Formats and Standards , Cataloging Service User Guide , Input Standards Tables , OCLC-MARC Records , Searching WorldCat User Guide
247	0211	OCLC-MARC Format Update 2002	Cataloging Electronic Resources: OCLC-MARC Coding Guidelines , Bibliographic Formats and Standards , Cataloging Service User Guide , Input Standards Tables , OCLC-MARC Records
246	0207	Database Enrichment	Bibliographic Formats and Standards , Cataloging Service User Guide
244	0107	OCLC-MARC Format Update 2001	Cataloging Service User Guide
242	0104	OCLC Symbol Expansion	Union List User Guide
241	0011	National Library Control Number Changes	Cataloging Service User Guide , Union List User Guide
240	0008	Pinyin Conversion Project	Cataloging Service User Guide

*Electronic versions of these documents are available at the OCLC Web site:
< <http://www.oclc.org/support/documentation/technicalbulletins/default.htm> >.



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