Provider-Neutral E-Monograph

MARC Record Guide

Includes revisions to September 2011

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Introduction

The Provider-Neutral E-Monograph Record Task Group was formed shortly after the 2008 Annual Meeting of the American Library Association. The group's charge from the Program for Cooperative Cataloging (PCC) was:

> *To develop a provider-neutral cataloging model for a single bibliographic record that could be used for all the iterations of an online monograph. This is to include records for resources that, in the past, have been cataloged variously as reproductions or electronic editions.*

> *To recommend best practices for flexible use of these records in libraries.*

> *To recommend ways to promote the use of these records among cataloging agencies and publishers/providers who create and issue cataloging copy for online monographic records.*

> *To explore the feasibility of collapsing multiple records for electronic monographic resources in OCLC into single, provider-neutral records, and to make recommendations for implementing the process.*

The group began work in the summer of 2008, received final approval from the PCC Policy Committee in June 2009, and the Guidelines went into effect on August 1, 2009. The provider-neutral policy applies to all PCC member libraries coding their records as PCC program records whenever they create or revise master records in OCLC.

It is recommended, though not required, that non-PCC member libraries follow this guide when they create or revise e-monograph records in OCLC. Of course, all libraries may follow whatever policies they wish in their local online public access catalogs (OPACs). If libraries upload local bibliographic records to OCLC, OCLC and the library need to work together to "neutralize" the records for e-monographs. This process consists in part of OCLC removing fields which were formerly used to distinguish multiple iterations of an e-monograph, e.g., field 533. (See FAQ 11 for a more detailed explanation).

Scope

It should be stressed that this guide is only concerned with separate MARC records for the online resource – it does not address the addition of online information to the physical format records, otherwise known as the "single record approach". The provider-neutral e-monograph model is intended to encompass records for monographic titles that are simultaneously issued in physical format and online, online digital reproductions of physical format resources, and online born-digital resources. All e-monographic resources cataloged on OCLC should follow the provider-neutral (P-N) model from Day One, even if the resource is available from only one provider at the time of cataloging. E-monograph records created by either the eContent Synchronization Program (040 OCLCE), the DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital

preservation projects should be combined with records from other providers onto one provider-neutral e-monograph record. Separate records may be created in OCLC whenever the cataloger determines that the content of a new online manifestation is significantly different from any existing record. Catalogers are also free to use the single record approach at both the national and local levels.

Background

Past monographic cataloging practice required the creation of a new record each time a new publisher, aggregator, or distributor provided access to a particular online resource. Increasingly, the same monographs were becoming available digitally from multiple providers, resulting in many duplicative MARC records for online resources in shared bibliographic utilities and in local catalogs. Catalog users often had difficulty understanding the rationale or the subtle differences between multiple records when searching through a cluster of very similar records. Often the only difference in a long record was the presence of a different publisher/aggregator/digitizer/distributor in the Reproduction note (533 field).

In developing a provider-neutral e-monograph policy, the task group followed similar provider-neutral policies that had been successfully enacted by the Program for Cooperative Cataloging for online serials and online integrating resources. According to this policy, no distinction is made between the cataloging of online reproductions and online resources issued simultaneously in another format. These distinctions had become less and less useful and increasingly difficult to make. All online monographs —reproductions, simultaneously issued manifestations, or born digital resources—are to be cataloged according to the same guidelines.

General Characteristics of the Provider-Neutral E-Monograph Record

The provider-neutral e-monograph record emphasizes recording only information applicable to all manifestations with the same content. It does not contain information specific to any one particular provider (with the exception of citing the package and format upon which the record has been based in the "Source of description/Source of title" note). Provider names are not given in notes or as added entries, or added to uniform titles as qualifiers. Notes about access restrictions, file formats, or system requirements specific to particular providers are also not used. Field 533, which is used for descriptive data about a specific reproduction, is no longer to be used in the record except in the case of records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects. In exceptional cases, e.g., a reproduction of a rare book, essential local information may be given in the e-monograph record in 5XX fields, as long as each 5XX field contains a subfield "5", giving the institutional MARC 21 code for the institution adding the local information. The qualifier (Online) should not be added to any series access point to distinguish it from its original source format. This practice was approved by PCC and the Library of Congress Policy and Standards Division (LC PSD) in June 2009. LCRI 25.5B was amended in the August 2009 update to the Cataloger's Desktop. (See FAQ 8 for a detailed explanation of the new series policy).

Metadata Application Profile (MAP)

(Use in conjunction with *MARC 21 Format for Bibliographic Data*)

M=Mandatory A=Mandatory if applicable O=Optional X=Not used		
Element	**Labels and Notes**	**Use**
Leader		
06	Type of Record Use the code appropriate to the type of material, according to the MARC 21 guidelines (e.g., language material and manuscripts published online should be coded type "a," notated music coded as type "c," moving images as "g", etc.)	M
07	Bibliographic Level Use "m" for monographs and "c" for collections	M
006 Fixed-Length Data Elements — Additional Material Characteristics		
00	Form of Material Libraries cataloging in OCLC and other bibliographic utilities must use control field 006 with the assigned value "m" when the Leader/06 is set to any code other than "m". Optionally, add an additional 006 field with the appropriate first byte value when the resource is an online reproduction of a manuscript. The code used will vary according to the type of reproduction ("t" for a reproduction of manuscript language material, "a" for notated music manuscript, and "f" for manuscript cartographic materials)	A/O

	M=Mandatory A=Mandatory if applicable O=Optional X=Not used	
Element	**Labels and Notes**	**Use**
007 Variable Control Fields — Physical Description Fixed Field		
00	Category of Material "c" For material other than online books and notated music, use an additional 007 field for other characteristics not specified in the first 007 field (first byte "v" for videorecordings, "a" for maps, etc.). The codes used in this 007 will reflect the digital aspects to the degree possible, e.g., the dimensions byte would be "z"	M
01	Specific Material Designation "r"	M
008 Variable Control Fields — Fixed-Length Data Elements		
23/29	Form of Item "o" Use code "o" for Form of item in byte 008/23 for all formats except Cartographic and Visual materials. These formats use byte 008/29	M
Variable Data Fields		
010	Library of Congress Control Number Do not include physical format LCCN here; use 776 field instead	A
020	International Standard Book Number Record each e-version ISBN in a separate 020 $a; record other ISBNs in 020 $z (preferably in separate fields); copy the physical format ISBN to field 776 $z. If it is unclear which format the ISBN represents—as often occurs with simultaneously issued versions—use $z for the ISBNSs being added for the online version	A

M=Mandatory A=Mandatory if applicable O=Optional X=Not used		
Element	**Labels and Notes**	**Use**
024	Other Standard Identifier Record other standard identifiers, such as International Standard Music Numbers (ISMNs), UPCs, IAN, IRSCs, etc., for the resource in its online format, in separate 024 fields, in $a. Record other standard identifiers for the resource in its physical format version in separate 024 fields, in $z	A
028	Publisher Number Record any relevant publisher/plate/issue numbers in $a and $b without special coding. Each 028 field should exactly match its counterpart field in the record for the physical format version	A
040	Cataloging Source Use the MARC code for the original/transcribing cataloging agency creating the e-resource record in $a. Do not retain the MARC code from the 040 $a of the physical format source record	M
050, etc.	Classification Numbers Use of classification strongly encouraged but not required for non-PCC records. If using 050/060, set first indicator to blank and second indicator to 4	O
245	Title Statement Use $h [electronic resource] after $a, $n, $p (or $f and $g for archival collections)	M

246	Varying Form of Title
	Retain from source record or record provider specific title variants if deemed important, with or without an explanatory note, e.g.,
	`246 1# $i Available from some providers with title:`
	`$a <title>`
	
	`246 1# $a <title>`
		A

M=Mandatory A=Mandatory if applicable O=Optional X=Not used		
Element	**Labels and Notes**	**Use**
250	Edition Statement Record only edition statements originating from the original publisher/society; ignore statements that pertain to specific provider versions	A
256	Computer File Characteristics Do not use	X
260	Publication, Distribution, etc. (Imprint) All online resources are considered published. Record first named publication information that applies to all known iterations of the online resource. If the e-resource being cataloged is an online reproduction of a physical format monograph, usually the publisher/distributor information will come from the original physical format source record	M

300	Physical Description
	Use "1 online resource" in $a (if desired, add other indications of the extent in a parenthetical qualifier). Exclude the original subfield "c". Examine any subfield "e" in the record in order to make sure it is still applicable
	Examples:
	`300  $a 1 online resource (25 p.) : $b ill.`
	
	`300  $a 1 online resource (36 charts on 18 leaves)`
	
	`300  $a 1 online resource (1 sound file (30 min.))`
	
	`300  $a 1 online resource (1 score (32 p.) + 1 part (19 p.))`
	
	`300  $a 1 online resource (1 video file (30 min.)) : $b sd., col. with b&w sequences`
	
	`300  $a 1 online resource (6 maps) : $b col.`
		M

	M=Mandatory A=Mandatory if applicable O=Optional X=Not used	
Element	**Labels and Notes**	**Use**
490	Series Statement Transcribe the form of the series only if it applies to all known iterations of the resource. When the e-version is being used as the basis of the description and only one ISSN appears in the resource being described, record that ISSN in the 490 field. If both a print ISSN (p-ISSN) and an electronic ISSN (e- ISSN) appear in the resource being described, transcribe the e-ISSN. When the physical format version is being used as the basis of the description, use whatever ISSN appears on that record. If no ISSN appears in the existing record, do not add any ISSN to the 490 field	A
500	Source of Title Note – see 588 field	
500/550	Issuing Body Note Do not use for online package/provider names	X
506	Restrictions on Access Note Use only for records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects; use with $5	A
516	Type of Computer File or Data Note Generally do not use unless e-resource has unusual properties	O
530	Additional Physical Form Available Note Generally do not use; prefer $i in the 776 field	X
533	Reproduction Note Use only for records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects; use with $5	A

M=Mandatory A=Mandatory if applicable O=Optional X=Not used		
Element	**Labels and Notes**	**Use**
534	Original Version Note Do not use, unless the e-resource being described is a part of a larger original resource that is sufficiently different to warrant a separate record (e.g., the e-resource is one poem scanned from a book). If so, record the provider information in the 260 and 008/7-10 fields, and record the information about the original resource in the 534 field	X
538	System Details Note — System Requirements Use for records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects; use with $5. For all other records, make a System details note only if unusual software is needed to access/use the resource	A
538	System Details Note — Mode of Access Use for records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects; use with $5. For all other records, make a Mode of access note only if the resource is accessed by means other than the World Wide Web	A
540	Terms Governing Use and Reproduction Note Do not use except for digitized archival collections	A
583	Action Note Use only for records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects; use with $5	A

M=Mandatory A=Mandatory if applicable O=Optional X=Not used		
Element	**Labels and Notes**	**Use**

[588](#)	Source of Description Note /Source of Title note
	If the description is based on a single online resource, use Source of description note combined with Source of title note
	Example:
	`588  $a Description based on online resource; title from PDF title page (ACM, viewed May 26, 2011).`
	
	If the description is based on part of a multipart resource, include that information in Source of description note
	Example:
	`588  $a Description based on online resource, vol. 2; title from PDF title page (ACM, viewed May 26, 2011).`
	
	If the description is based on a record for the physical format, use the following phrase without additional information: Description based on [physical format] version record
	Examples:
	`588  $a Description based on print version record.`
	
	`588  $a Description based on CD-ROM version record.`
		M

[700-751](#)	Added Entry Fields Use if applicable to all known instances of the online resource. Do not use for package/provider names (records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects excepted; use with $5)	A
[773](#)	Host Item Entry Do not use	X
[776](#)	Additional Physical Form Entry Required if the description is based on the record for another format; otherwise provide if readily available. Use 776 $i rather than 530 field to describe the type of resource recorded in the 776 field *Example:* `776 08 $i Print version: $a …`	A

	M=Mandatory A=Mandatory if applicable O=Optional X=Not used	
Element	**Labels and Notes**	**Use**
800-830	Series Added Entry Fields Use the authorized form of the series for the physical format version. For series that exist only online, use the authorized form of the online series. Do not use for package/provider series (records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects excepted; use with $5) Use the physical format ISSN rather than the online ISSN for series that exist in physical format as well as online. Append the $x to the end of the field as the final subfield *Example*: `830 #0 $a Proceedings of SPIE—the International Society for Optical Engineering ; $v v. 7719. $x 0277 786X`	A
856	Electronic Location and Access Use $u for URLs that are general (not institution specific). Do not use $z for information that is institution specific. If deemed necessary, include information about the package name and or format in $3 *Example*: `856 40 $3 Education in video (streaming video) $u [URL]`	A

Recommendations for Best Use of Provider-Neutral Records in Libraries

Libraries need to make policy decisions as to the use of single or multiple records for their e-resources. They can use a single provider-neutral record that incorporates all specific package and other local information on one record – or they can use multiple records, each with one specific package/URL on it. Whatever decisions PCC member libraries make for their local catalogs, they still need to follow the provider-neutral guidelines when coding master records in OCLC as PCC records. Records from any library that are added to OCLC are subject to having package-specific information removed.

Appendices

Appendix A: Frequently Asked Questions
Appendix B: Provider-Neutral Record Comparison Chart
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Appendix A: Frequently Asked Questions

1. What is a provider-neutral e-monograph record?

A provider-neutral e-monograph record is a single bibliographic record that covers all equivalent manifestations of an online monograph. Online manifestations are considered equivalent if their contents are essentially the same, based on clues from the author, title, edition, publishing information, and physical description. Another separate record is needed only if the cataloger determines that another online version, because of substantial differences (e.g., in content or subject), really represents a different manifestation. There will also be some cases where the resources are considered equivalent even though the titles that appear on each resource differ.

2. What are the types of online monographs for which it is used?

The provider-neutral e-monograph record has been defined for monographs that have the same content available by one or more providers. The monographs may be issued as born-digital resources, current simultaneously-issued-with-print editions, or scanned reproductions of previous existing materials. A provider-neutral record should be created for online monographs even if no equivalent manifestations exist at the point of cataloging. Records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects use the same criteria and may be combined both with other digital preservation records and records for equivalent manifestations.

3. Why do we need it?

Current monographic cataloging practice in the Anglo-American world requires the creation of a new record each time a new publisher, aggregator, or distributor provides online access to the same electronic resource. As a result, many duplicative MARC records for online resources are created in shared cataloging systems such as OCLC. Catalog users often have difficulty understanding the rationale or the subtle differences between multiple records when searching through a cluster of very similar electronic resource records. The creation of one record that can be used for as many aggregations as possible improves search and retrieval in online catalogs. Moving to the provider-neutral model puts the emphasis on the content of the resource rather than on the provider.

4. What is the relationship to FRBR?

Provider-neutral records cover multiple manifestations, but not all physical manifestations; so they are neither at the expression nor exactly at the manifestation level. The provider-neutral model collapses multiple manifestations for online monographic resources into one record.

5. What is the provider-neutral mindset?

This mindset is a fundamental approach to cataloging online resources that emphasizes recording only fields that apply to all online manifestations of the resource. Other information such as individual database names, individual e-package names, publishers or third party aggregators that were previously entered into the bibliographic records to distinguish different versions, is considered, in this mindset, to be local information. Some resources may only have one provider at the time of cataloging, but may become available through other providers in various packages afterwards. Thus it is important to keep the records as "neutral" as possible from the very outset of cataloging.

6. How can provider-neutral records be identified? How do they differ from other e-monograph records?

Only fields applying to all online versions of the resource are retained in the master provider-neutral OCLC record. Although there is no single byte, subfield, or field that specifically states that the record is provider-neutral, the records look different from previous practices:

- There are no notes or added entries for specific packages or aggregations. This information now resides in local fields, which may be added as needed by aggregators and publishers using the same source record.
- Multiple URLs may be included in the record for packages that contain the complete text but only if the URL can be used by all licensed users.
- 533 fields are no longer used except for materials of DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects. When used, they are always followed $5 for the institution represented.
- Variant provider-specific titles can be used, but the specific provider is not named in the title field, e.g., 246 1# $i Available from some providers with title: $a
- The note phrase "Description based on [physical format] version record" is used whenever the source of the description is not the online resource itself, but a MARC record for the resource in physical format. This occurs frequently when the online resource lacks a title page (or when the description on the other format record is more complete than what the online resource offers for description).
- The publisher and dates are those of the original monograph, as found on the copy being described, as opposed to the digitizer and dates of digitization. This

information is much more useful and is more readily available.

- There are fewer notes. The version and format upon which the description is based are cited in field 588 Source of description note/Source of title note. The 538 is rarely used for system requirements. It is also not usually used for "Mode of access" notes, except for records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects. These have special requirements for the 538 field and end with $5 for the institution represented.
- The 300 field starts with "1 online resource".

7. Can catalogers still apply LCRI 1.11A and the 533 field?

LCRI 1.11A is no longer applied to electronic reproductions available online from multiple providers when creating a provider-neutral master record in OCLC. Similarly, with the exception of records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects, individual 533 fields to describe publishers/aggregators are not used for electronic resource records. LCRI 1.11A has been modified to include a "PCC practice" statement to apply these provider-neutral guidelines when creating or revising master records in OCLC for electronic reproductions of monographs available online from one or more providers.

8. How are series access points in multiple formats affected by the provider-neutral model?

The following series statements should be included in the provider-neutral record:
1. Digitized version of physical format monograph. The series of the physical format version (original format) should be represented in the provider-neutral record.
2. Born-digital Online monograph with no known print counterpart. The digital series should be represented in the provider-neutral record.
3. Born-digital Online monograph issued simultaneously with a physical format version.
   a. If the series is the same for both versions, that series should be represented in the provider-neutral record.
   b. If the digital version is issued as part of a series different than the physical format version, the digital series should be represented in the provider-neutral record.

> Note: Provider series that are not applicable to all online versions should NOT be included in the provider-neutral e-monograph record, except for records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects.

9. How are digital reproductions and editions of manuscript materials treated?

In accordance with current Anglo-American cataloging practice, all remote access electronic resources, including manuscript materials, are considered published. Therefore, bibliographic records for digital manuscripts require the MARC 21 Leader 06 "Type of record" value which is appropriate for the type of material (e.g., "a" for language material and "e" for cartographic material). Optionally, include an additional 006 field to reflect (and in some cases, index) the resource as a manuscript as well as a published item. In addition, field 260 for a digital manuscript generally contains: [S.l. : $b s.n.], $c [date]. If the resource contains a transcription of a manuscript, the record is considered an edition, and the publishing information relating to the distributor/publisher is given in the 260 field, with no need for an additional 006 field.

10. How are titles bound/scanned together treated? (added February 2010)

Although "bound together" titles may also be scanned together, they should not be cataloged as a unit since such treatment is necessarily copy-specific and/or vendor-specific and ceases to be provider-neutral. Therefore, each title should be cataloged as a separate provider-neutral record and, if possible, should include an 856 URL link to the specific title covered by the record rather than a link to the "bound/scanned together" unit as a whole. If the only available link is to the unit, use an 856 $3 to indicate the position of the title within the scanned image (if created through the DLF Registry of Digital Masters, HathiTrust Digital Library, or other digital preservation projects, records may use field 501 as long as it includes $5).

11. What is the effect on existing records in OCLC?

Elimination of provider-specific fields is unlikely to become a part of detection itself, but the ongoing conversion of records into "neutral" ones has substantially improved record matching. Once the 533, provider 710 and provider 8XX fields are deleted, subsequent actual merges of the now duplicate records automatically transfers URLs, unique call numbers, subject headings, etc. But it may be a lengthy two-step process in most cases; a record may be neutralized in 2009, but not merged with its duplicate(s) until 2010 when it is reported, or when OCLC staff initiates a manual merge, or when it is caught by the global Duplicate Detection and Resolution (DDR) process. Other duplicate records may remain if they contain preservation data predating the use of $5. In these records, provider-specific fields are specifically identified and removed set-by-set. Since this is difficult to accomplish in cases where the contents of specific record sets are unknown, duplicates will decline over the years, but are unlikely to disappear completely. All records batch loaded into OCLC go through the same DDR process. In the place of the 533 field, one can expect to see "Description based on [physical format] version record" appear in the 588 field of records that exist in multiple formats.

12. When cataloging in OCLC, how do I decide which record to use as the basis for a provider-neutral record?

Choose the best record. If several records are of equal quality, select the one with the most holdings. Duplicate records may be reported to OCLC. Before reporting a record for merging, please delete from that record any URL with a proxy that duplicates a general (non-proxy) URL in the target Provider-neutral record.

13. Can catalogers use institution-specific/proxy URLs? (added September 2011)

Use URLS that are in general use whenever possible. If no general URL is available, point to a more generic publisher or aggregator page. Use an institution-specific/proxy URL only if no other option is available.

14. What is the effect on OCLC records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects?

MARC bibliographic records for materials of DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects continue to contain the same fields that they previously had – 533, 538, 583, 856, but if they are cataloged using the separate record approach, they follow the same provider-neutral record criteria which may result in the use of one separate record. In instances where there are multiple institutions providing digital masters, the same provider-neutral record is used. Each institution provides its specific information in the 533, 538, 583, and 856 fields followed by a specific $5 to indicate the institution providing the information.

15. How will we maintain provider-neutral records in our local catalogs?

Libraries have the choice of relying on their own de-duplicating processes to merge multiple duplicates into single provider-neutral records, or keep separate records with individual package information. Libraries subscribing to WorldCat Local display the OCLC provider-neutral bibliographic record without modification, but may use separate OCLC local holdings records (LHRs) to record provider-specific information (e.g., 856 links, package names, restriction notes, etc.).
Libraries receiving record sets from multiple vendors should keep in mind that although some vendors are able to add their URLs to existing OCLC provider-neutral records and distribute these records to their customers, other vendors are not authorized by OCLC to do so and therefore distribute records that do not include OCLC numbers.

16. Should the provider-neutral record be used for resources that must be downloaded and accessed via e-readers or other electronic devices? (added September 2010)

Since the provider-neutral record focuses on the content of a resource rather than on its specific digital format, it should be used to describe any e-monograph that is either accessed directly online or is available online for downloading. Vendor-specific information about access restrictions, transmitting technologies, reading devices, etc. should be kept out of the OCLC master record but may be recorded locally in holdings or bibliographic records.

17. Where can I learn more?

A summary of the presentation on this topic at the Joint CONSER/BIBCO Operations Meeting held on May 1-2, 2008, is available at:
http://www.loc.gov/catdir/pcc//archive/BIBCOOpCo2008Summary.html

Rules and Tools for Cataloging for the 21st Century. Session 2 on Online Monographs (p. 83-144)
http://www.loc.gov/catworkshop/courses/cataloginginternet/pdf/ceig1_IM-FINAL.pdf

The complete charge of the task group is available at:
http://www.loc.gov/catdir/pcc/bibco/PN-Mono-charge.pdf

The latest version of the report has been posted on the PCC Website at:
http://www.loc.gov/catdir/pcc/bibco/PN-Final-Report.pdf

Please contact Becky Culbertson (rculbertson@ucsd.edu), Yael Mandelstam (ymandelstam@law.fordham.edu), or George Prager (pragerg@exchange.law.nyu.edu), the group's co-chairs, for further information.

18. Can I see an example of a provider-neutral e-monograph record?

See Appendix C.

Appendix B: Provider-Neutral Comparison Chart

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model
Leader/06 Type of record	Code appropriate to the type of material used according to the MARC 21 guidelines (e.g., language material and manuscripts published online should be coded type "a")	Code appropriate to the type of material used according to the MARC 21 guidelines (e.g., language material and manuscripts published online should be coded type "a")	Use the code appropriate to the type of material, according to the MARC 21 guidelines (e.g., language material and manuscripts published online should be coded type "a," notated music coded as type "c," moving images as "g", etc.)
Leader/07 Bibliographic Level	Default code = "m"	Default code = "m"	Use "m" for monographs and "c" for collections
006 Fixed-Length Data Elements — Additional Material Characteristics	First byte is mandatory, coded "m"	First byte is mandatory, coded "m"	Libraries cataloging in OCLC and other bibliographic utilities must use control field 006 with the assigned value "m" when the Leader/06 is set to any code other than "m". Optionally, add an additional 006 field with the appropriate first byte value when the resource is an online reproduction of a manuscript. The code used will vary according to the type of reproduction ("t" for a reproduction of manuscript language material, "a" for notated music manuscript, and "f" for manuscript cartographic materials)

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model
007 Variable Control Fields — Physical Description Fixed Field	First two bytes are mandatory, coded "c" "r"	First two bytes are mandatory, coded "c" "r"	First two bytes are mandatory, code "c" "r" For material other than online books and notated music, use an additional 007 field for other characteristics not specified in the first 007 field (first byte "v" for videorecordings, "a" for maps, etc.). The codes used in this 007 will reflect the digital aspects to the degree possible, e.g., the dimensions byte would be "z"
008 Variable Control Fields-Fixed — Length Data Elements	Coded as for any monograph	Coded as for any monograph	Code as for any monograph Use code "o" for Form of item in byte 008/23 for all formats except Cartographic and Visual materials. These formats use byte 008/29
010 Library of Congress Control Number	Physical format LCCN not included here but moved to the 776 field instead	Physical format LCCN not included here but moved to the 776 field instead	Do not include physical format LCCN here; use 776 field instead

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model
020 International Standard Book Number	All retained	All retained	Record each e-version ISBN in a separate 020 $a; record other ISBNs in 020 $z (preferably in separate fields)**;** copy the physical format ISBN to field 776 $z. If it is unclear which format the ISBN represents—as often occurs with simultaneously issued versions—use $z for the ISBNS being added for the online version
040 Cataloging Source	Coded for the original/transcribing cataloging agency creating the e-resource cataloging record. Code from $a of the physical format source record not retained	Coded for the original/transcribing cataloging agency creating the e-resource cataloging record. Code from $a of the physical format source record not retained	Use the MARC code for the original/transcribing cataloging agency creating the e-resource record in $a. Do not retain the MARC code from the 040 $a of the physical format source record
050/060/082/086 Classification Numbers	Use of classification strongly encouraged but not required. If using 050/060, second indicator is set to 4	Use of classification strongly encouraged but not required. If using 050/060, second indicator is set to 4	Use of classification strongly encouraged but not required. If using 050/060, set first indicator to blank and second indicator to 4
245 Title Statement	$h [electronic resource]	$h [electronic resource]	Use $h [electronic resource] after $a, $n, $p (or $f and $g for archival collections)

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model
246 Varying Form of Title	Used	Used	Retain from source record or record provider specific title variants if deemed important, with or without an explanatory note, e.g., 246 1# $i Available from some providers with title: $a <title> 246 1# $a <title>
250 Edition Statement	Used if applicable	Used if applicable	Record only edition statements originating from the original publisher/society; ignore statements that pertain to specific provider versions
256 Computer File Characteristics	Seen on older records	Seen on older records	Do not use
260 Publication, Distribution, etc. (Imprint)	Publication information of the reproduction/digitizer/ e-resource publisher. Includes date of new edition	Publication information of the original source version. Includes date of original	All online resources are considered published. Record first named publication information that applies to all known iterations of the online resource. If the e-resource being cataloged is an online reproduction of a physical format monograph, usually the publisher/distributor information will come from the original physical format source record

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model

300
Physical Description
	Earlier: not used
	Later: used, e.g.,
	
	`300 $a 100 p. : $b`
	`digital, PDF file`
	
	`300 $a 100 p. : $b`
	`digital, HTML file`
	
	`300 $a 1 electronic`
	`text`
		Pagination of the original	Use "1 online resource" in $a (if desired, add other indications of the extent in a parenthetical qualifier). Exclude the original subfield "c". Examine any subfield "e" in the record in order to make sure it is still applicable

490 Series Statement	Used if on resource	Used if on original resource	Transcribe the form of the series only if it applies to all known iterations of the resource. When the e-version is being used as the basis of the description and only one ISSN appears in the resource being described, record that ISSN in the 490 field. If both a print ISSN (p-ISSN) and an electronic ISSN (e- ISSN) appear in the resource being described, transcribe the e-ISSN. When the physical format version is being used as the basis of the description, use whatever ISSN appears on that record. If no ISSN appears in the existing record, do not add any ISSN to the 490 field
500 Source of Title Note	Used	Not used	See field 588

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model
500/550 Issuing Body Note	Used to justify package name added entry	Issued by … appears in 533 field instead	Do not use for online package/provider names
506 Restrictions on Access Note	Often used	Often used	Use only for records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects; use with $5
516 Type of Computer File or Data Note	Used early on; currently rarely used	Not used	Generally do not use unless e-resource has unusual properties
530 Additional Physical Form Available Note	Generally not applicable	Used early on; currently many catalogers use the 776 $i [Physical format] version: $a…	Generally do not use; prefer $i in the 776 field
533 Reproduction Note	Not used	Used	Use only for records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects; use with $5

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model
534 Original Version Note	Used by some catalogers to indicate original source information (this is in lieu of the 1.11A model	Not used	Do not use, unless the e-resource being described is a part of a larger original resource that is sufficiently different to warrant a separate record (e.g., the e-resource is one poem scanned from a book). If so, record the provider information in the 260 and 008/7-10 fields, and record the information about the original resource in the 534 field
538 System Details Note — System Requirements	Used	Not used	Use for records for DLF Registry of Digital Masters, HathiTrust Digital Library, and other digital preservation projects; use with $5. For all other records, make a System details note only if unusual software is needed to access/use the resource
538 System Details Note — Mode of Access	Generally not used unless unusual	Not Used	Use for records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects; use with $5. For all other records, make a Mode of access note only if the resource is accessed by means other than the World Wide Web
540 Terms Governing Use and Reproduction Note	Used—apt to be provider specific	Used—apt to be provider specific	Do not use except for digitized archival collections

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model
583 Action Note	Used in digital registry records	Used in digital registry records	Use only for records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects; use with $5

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model

588
Source of Description Note/Source of Title Note
	Not used	Not used	If the description is based on a single online resource, use Source of description note combined with Source of title note
			Example:
			`588  $a Description based on online resource; title from PDF title page (ACM, viewed May 26, 2011).`
			
			If the description is based on part of a multipart resource, include that information in Source of description note
			Example:
			`588  $a Description based on online resource, vol. 2; title from PDF title page (ACM, viewed May 26, 2011).`
			
			If the description is based on a record for the physical format, use the following phrase without additional information: Description based on [physical format] version record
			Examples:
			`588  $a Description based on print version record.`
			
			`588  $a Description based on CD-ROM version record.`

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model
700-751 Added Entry Fields	Used for Package names	Used for package names	Use if applicable to all known instances of the online resource. Do not use for package/provider names (records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects excepted; use with $5)
773 Host Item Entry	Used for collocation purposes similarly to 700-751 package names	Used for collocation purposes similarly to 700-751 package names	Do not use
776 Additional Physical Form Entry	Used	Used	Required if the description is based on the record for another format; otherwise provide if readily available. Use 776 $i rather than 530 field to describe the type of resource recorded in the 776 field *Example*: `776 08 $i Print version: $a …`

Element/Label	AACR2r Chapter 9	LCRI 1.11A	Provider-Neutral Model
800-830 Series Added Entry Fields	Used if applicable	Used if applicable	Use the authorized form of the series for the physical format version. For series that exist only online, use the authorized form of the online series. Do not use for package/provider series (records for DLF Registry of Digital Masters, HathiTrust Digital Library and other digital preservation projects excepted; use with $5) Use the physical format ISSN rather than the online ISSN for series that exist in physical format as well as online. Append the $x to the end of the field as the final subfield *Example*: `830 #0 $a Proceedings of SPIE—the International Society for Optical Engineering ; $v v. 7719. $x 0277 786X`
856 Electronic Location and Access	Used. Often includes subfield "z" information	Used. Often includes subfield "z" information	Use $u for URLs that are general (not institution specific). Do not use $z for information that is institution specific. If deemed necessary, include information about the package name and or format in $3 *Example*: `856 40 $3 Education in video (streaming video) $u [URL]`

Appendix C: Provider-Neutral Examples

Example 1. Textual monograph — simultaneously issued print and online resources

Rec stat c   Entered 20110322   Replaced 20060415
Type a   ELvl I   Srce d   Audn   Ctrl   Lang eng
BLvl m   Form o   Conf 1   Biog   MRec   Ctry nyu
Cont b   GPub   LitF 0   Indx 1
Desc a   Ills   a   Fest 0   DtSt s   Dates 2006

006		m d
007		$a c $b r $d m $e n
040	##	$a CUS $c CUS
020	##	$z 1595933549 (pbk)
020	##	$z 9781595933546 (pbk)
050	#4	$a ZA4080 $b .J65 2006
049	##	$a CUSL
111	2#	$a ACM/IEEE-CS Joint Conference on Digital Libraries $n (6th : $d 2006 : $c Chapel Hill, N.C.)
245	10	$a Opening information horizons $h [electronic resource] : $b 6th ACM/IEEE-CS Joint Conference on Digital Libraries 2006 : June 11-15, 2006 / $c sponsored by ACM SIG on Information Retrieval, ACM SIG on Hypertext Hypermedia, and the Web, IEEE Technical Committee for Digital Libraries.
246	1#	$a Digital Libraries, 2006, JCDL '06, Proceedings of the 6th ACM/IEEE-CS Joint Conference on
246	1#	$i Some versions have title: $a Proceedings of the 6th ACM/IEEE-CS Joint Conference on Digital Libraries
246	3#	$a JCDL 2006
260	##	$a New York : $b ACM, $c 2006.
300	##	$a 1 online resource (xvi, 386 p.) : $b ill.
500	##	$a "IEEE catalog number 06TH88898"—T.p. verso.
500	##	$a "ACM Order Number 606062"—T.p. verso.
504	##	$a Includes bibliographical references and author index.
588	##	$a Description based on online resource; title from PDF title page. (ACM, viewed on June 13, 2011).
650	#0	$a Digital libraries $v Congresses.
710	2#	$a Association for Computing Machinery. $b Special Interest Group on Information Retrieval.
710	2#	$a Association for Computing Machinery. $b Special Interest Group on Hypertext, Hypermedia and Web.
710	2#	$a IEEE Computer Society. $b Technical Committee on Digital Libraries.
856	40	$u http://dx.doi.org/10.1145/1141753
856	40	$u http://www.ieeexplore.ieee.org/servlet/opac?punumber=4119089

Example 2. Textual monograph — merged born digital records with same publisher and two databases

Rec stat c   Entered 20110322   Replaced 20060415
Type a   ELvl K   Srce d   Audn   Ctrl   Lang eng
BLvl m   Form o   Conf 0   Biog   MRec   Ctry vau
Cont   GPub   LitF d   Indx 0
Desc a   Ills   Fest 0   DtSt s   Dates 2003

006		m d
007		$a c $b r
040	##	$a CUS $c CUS
050	4#	$a PS3556.A3485
049	##	$a CUSL
100	1#	$a Faigao-Hall, Linda, $d 1948-
245	10	$a State without grace $h [electronic resource] / $c Linda Faigao-Hall.
260	##	$a Alexandria, VA : $b Alexander Street Press, $c 2003.
300	##	$a 1 online resource (100 p.)
588	##	$a Description based on online resource; title from HTML table of contents page (Alexander Street Press, viewed May 21, 2011).
856	40	$u http://www.aspresolver.com/aspresolver.asp?WODR;PL007414
856	40	$u http://www.aspresolver.com/aspresolver.asp?AADR;PL007414

Example 3. Textual monograph — merged publisher and 3rd party reproductions

Rec stat c   Entered 20110322   Replaced 20060415
Type a   ELvl I   Srce d   Audn   Ctrl   Lang eng
BLvl m   Form o   Conf 0   Biog   MRec   Ctry dcu
Cont b   GPub   LitF 0   Indx 1
Desc a   Ills   a   Fest 0   DtSt s   Dates 2004

006		m d
007		$a c $b r
040	##	$a CUS $c CUS
020	##	$a 0309529263 (pdf)
020	##	$a 9780309529266 (pdf)
020	##	$z 0309091179 (hardcover)
020	##	$z 9780309091176 (hardcover)
043	##	$a n-us---
050	#4	$a RA440 $b .H43 2004
060	#4	$a WA 590 $b H4362 2004
082	##	$a 613/07/1073 $2 22
049	##	$a CUSL
245	00	$a Health literacy $h [electronic resource] : $b a prescription to end confusion / $c Committee on Health Literacy, Board on Neuroscience and Behavioral Health, Institute of Medicine of the National Academies ; Lynn Nielsen-Bohlman, Allison M. Panzer, David A. Kindig, editors.
260	##	$a Washington, D.C. : $b National Academies Press, $c c2004.
300	##	$a 1 online resource (xix, 345 p.) : $b ill.
504	##	$a Includes bibliographical references and index.
505	0#	$a Introduction -- What is health literacy? -- The extent and association of limited health literacy -- Culture and society -- Educational systems – Health systems -- vision for a health-literate America.
588	##	$a Description based on print version record.
650	#0	$a Health education $z United States.
650	#0	$a Literacy $z United States.
650	12	$a Health Education $x methods $z United States.
650	22	$a Communication Barriers $z United States.
700	1#	$a Nielsen-Bohlman, Lynn.
710	2#	$a Institute of Medicine (U.S.). ǂb Committee on Health Literacy.
776	08	$i Print version: $t Health literacy. $d Washington, D.C. : National Academies Press, c2004 $z 0309091179 $w (DLC) 2004004829 $w (OCoLC)54537926
856	40	$u http://site.ebrary.com/id/10062734
856	40	$u http://www.netlibrary.com/urlapi.asp?action=summary&v=1&bookid=117106
856	40	$u http://www.nap.edu/openbook.php?isbn=0309091179

Example 4. Textual monograph — merged Google and other digitization project record

Rec stat c   Entered 20110322   Replaced 20060415
Type a   ELvl I   Srce d   Audn   Ctrl   Lang eng
BLvl m   Form o   Conf 0   Biog b   MRec   Ctry enk
Cont   GPub   LitF 0   Indx 0
Desc a   Ills   ac Fest 0   DtSt s   Dates 1839

006		m d
007		$a c $b r $d c $e n $g 008 $h a $i a $j a $k a $l p
007		$a c $b r $d c $e n $g --- $h m $i a $j c $k d $l a
040	##	$a CUS $c CUS
042	##	$a dlr
043	##	$a a-cc---
050	#0	$a BV3427.M6 $b A3 1839
082	##	$a 275.1B $b M88m
049	##	$a CUSL
245	00	$a Memoirs of the life and labours Robert Morrison… $h [electronic resource] / $c compiled by his widow ; with critical notices of his Chinese works, by Samuel Kidd, and an appendix containing original documents.
260	##	$a London : $b Longman, Orme, Brown, and Longmans, $c 1839.
300	##	$a 1 online resource (2 v.) : $b ill., port.
506	##	$a Digital version available with no restrictions $f Unrestricted online access. $2 star $5 NNC
583	1#	$a Digitized. $c 2008 $h Columbia University Libraries $1 committed to preserve $2 pda $5 NNC
588	##	$a Description based on print version record.
600	10	$a Morrison, Robert, $d 1782-1834.
650	#0	$a Missionaries $z China $z Biography.
700	1#	$a Morrison, Robert, $d 1782-1834.
700	1#	$a Morrison, Eliza A.
776	08	$i Print version: $t Memoirs of the life and labours Robert Morrison … $d London : Longman, Orme, Brown, and Longmans, $c 1839 $w (OCoLC)11413587
856	40	$3 Internet Archive, v.1 $u http://www.archive.org/details/memoirsoflifelab01morr
856	40	$3 Internet Archive, v. 2 $u http://www.archive.org/details/memoirsoflifelab02morr
856	40	$3 Google, v. 1 $u http://books.google.com/books?vid=OCLC11413587
856	40	$3 Google, v. 2 $u http://books.google.com/books?vid=OCLC11413587$id=GtLBOxPdTvEC
856	40	$u http://lookup.lib.hku.hk/lookup/bib/B36588595v1
856	40	$u http://lookup.lib.hku.hk/lookup/bib/B36599505v2

Example 5. Textual monograph — merged publisher reproduction and 3rd party records; institution specific URL dropped

Rec stat c   Entered 20110322   Replaced 20060415
Type a   ELvl I   Srce d   Audn   Ctrl   Lang eng
BLvl m   Form o   Conf 0   Biog   MRec   Ctry dcu
Cont b   GPub   LitF 0   Indx 0
Desc a   Ills   a Fest 0   DtSt s   Dates 2007

006		m d
007		$a c $b r $d m $e n
040	##	$a CUS $c CUS
020	##	$z 0309104025 (pbk)
020	##	$z 9780309104029 (pbk)
050	#4	$a RA781 $b .A33 2007
060	#4	$a QT 255 $b A232 2007
049	##	$a CUSL
245	00	$a Adequacy of evidence for physical activity guidelines development $h [electronic resource] : $b workshop summary / $c Carol West Suitor and Vivica I. Kraak, rapporteurs ; Food and Nutrition Board, Board on Population Health and Public Health Practice, Institute of Medicine of the National Academies.
260	##	$a Washington, D.C. : $b National Academies Press, $c c2007.
300	##	$a 1 online resource (xiv, 198 p.) : $b ill.
588	##	$a Description based on print version record.
650	#0	$a Exercise.
650	12	$a Physical Fitness.
700	1#	$a Suitor, Carol West.
700	1#	$a Kraak, Vivica I.
710	2#	$a Institute of Medicine (U.S.). $b Food and Nutrition Board.
776	08	$i Print version: $t Adequacy of evidence for physical activity guidelines development. $d Washington, D.C. : National Academies Press, $c c2007 $z 9780309104029 $w (DLC) 2007275779 $ (OCoLC)86110262
856	40	$u http://books.nap.edu/openbook.php?record_id=11819
856	40	$u http://site.ebrary.com/id/10170943
856	40	$u http://www.mylibrary.cm?id=84425

Example 6. Textual monograph — non-current reproduction record by same publisher

Rec stat c   Entered 20060328   Replaced 20060403
Type a   ELvl I   Srce d   Audn   Ctrl   Lang eng
BLvl m   Form o   Conf 0   Biog   MRec   Ctry gw
Cont b   GPub   LitF 0   Indx 0
Desc a   Ills   a   Fest 0   DtSt s   Dates 1996 ,

006		m d
007		$a c $b r
040	##	$a CUS $c CUS $d CUS
020	##	$z 3540617345 (alk. paper)
020	##	$z 9783540617341 (alk. paper)
024	7#	$a 10.1007/BFb0105423 $2 doi
050	#4	$a M385 $b .H
049	##	$a CUSL
245	00	$a Nonlinear physics of complex systems $h [electronic resource] : $b current status and future trends / $c Jurgen Parisi, Stefan C. Muller, Walter Zimmermann, eds.
260	##	$a Berlin : $b Springer, $c c1996.
300	##	$a 1 online resource (xiii, 388 p.) : $b ill.
490	1#	$a Lecture notes in physics, $x 1616-6361 ; $v 476
504	##	$a Includes bibliographical references.
588	##	Description based on online resource; title from PDF title page (Springer, viewed Aug. 1, 2011)
650	#0	$a Nonlinear theories.
650	#0	$a Mathematical physics.
700	1#	$a Parisi, Jurgen, $d 1951-
700	1#	$a Muller, S. C. $q (Stefan C.), $d 1949-
700	1#	$a Zimmermann, Walter, $d 1955-
776	08	$i Print version: $t Nonlinear physics of complex systems. $d Berlin ; New York : Springer, c1996 $z 3540617345 $w (DLC) 9604182 $w (OCoLC)35559124
853	#0	Lecture notes in physics ; $v 476. $x 0075-8450
856	40	$u http://dx.doi.org/10.1007.Bfb0105423

Example 7. Textual monograph — DLF Registry of Digital Masters record merged with OCLC eContent Synchronization Program record

Rec stat c   Entered 20110322   Replaced 20060415
Type a   ELvl I   Srce d   Audn   Ctrl   Lang eng
BLvl m   Form o   Conf 0   Biog   MRec   Ctry enk
Cont   GPub   LitF 0   Indx 0
Desc a   Ills   ac   Fest 0   DtSt s   Dates 1839

006		m d
007		$a c $b r $d c $e n $g 008 $h a $i a $j a $k b $l p
007		$a c $b r $d c $e n $g 008 $h a $i a $j a $k d $l a
040	##	$a CUS $c CUS
042	##	$a dlr
043	##	$a a-cc---
050	#4	$a BV3427.M6 $b A3 1839
082	##	$a 275.1B $b M88m
049	##	$a CUSL
100	1#	$a Chatterji, Bankim Chandra, $d 1838-1894.
245	10	$a Chandra Shekhar $h [electronic resource] / $c compiled by his widow ; with critical notices of his Chinese works, by Samuel Kidd, and an appendix containing original documents.
260	##	$a London : $b Luzac & Co., $c [1904]
300	##	$a 1 online resource (viii, 317, vii p.) : $b port.
533	##	$a Electronic reproduction. $b Chicago : $c University of Chicago Library, $d [2006]. $f (Fiction Ltd.). $5 ICU
538	##	$a Master and use copy. Digital Master created according to Benchmark for Faithful Digital Reproductions of Monographs and Serials. Version 1. Digital Library Federation, December 2002 $u http://www.diglib.org/standards/bmarkfin.htm $5 ICU
583	1#	$a digitized. $c 2006 $h University of Chicago Library, $l committed to preserve $2 pda $5 ICU
588	##	$a Description based on print version record.
700	1#	$a Chowdhury, Manmatha Nath Ray, $d d. 1939.
776	08	$i Print version: $a Chatterji, Bankim Chandra, 1838-1894. $t Chandra Shekhar $w (OCoLC)4471255
830	#0	$a Fiction Ltd. $5 ICU
856	40	$u http://books.google.com/books?id=oI5jAAAAMAAJ
856	40	$u http://pi.lib.uchicago.edu/1001/dig/pres/2006-1271

Example 8. Textual monograph — rare book e-resource based on microfilm version record

Rec stat	c	Entered	20110322	Replaced	20060415	
Type	a	ELvl K	Srce d	Audn	Ctrl	Lang eng
BLvl	m	Form o	Conf 0	Biog	MRec	Ctry mau
Cont		GPub	LitF 0	Indx 1		
Desc	a	Ills	Fest 0	DtSt s	Dates 1839	

006		m d
007		$a c $b r $d m $e n $g mmm $h m $i a $j b $k b $l a
040	##	$a CUS $c CUS
050	#4	$a BT763 $b .M437 1652
049	##	$a CUSL
100	1#	$a Mather, Richard, $d 1596-1669.
245	14	$a The summe of certain sermons upon Genes. 15.6. $h [electronic resource] : $b Wherein not only the docrine [sic] of justification by faith is asserted and cleared, and sundry arguments for justification before faith, discussed and answered, but also the nature and the meanes of faith, with the imputation of our sins to Christ, and of Christs righteousness to us are briefly explained and confirmed / $c preached at Dorchester in New-England by Richard Mather teacher to the Church there ; and now by him published at the earnest request of sundry well-affected and godly Christians.
260	##	$a [Cambridge, Mass.] : $b Printed by Samuel Green at Cambridg[sic] in New-England, $c 1652.
300	##	$a 1 online resource ([12], 47, [1] p.)
500	##	$a Title from cover.
506	##	$a "To the Christian reader" (p. [12], 1st count) signed: J. Cotton. J. VVilson. Boston 24. 5. 1652.
500	##	$a "The table.'--P. 45-47. An index of topics discussed.
500	##	$a "Errata"—P. 47.
510	4#	$a Evans $c 35
510	4#	$a Wing (2nd ed.) $c M1276
510	4#	$a Holmes, T.J. Minor Mathers. $c 55
588	##	Description based on microfiche version record.
650	#0	$a Faith.
650	#0	$a Justification (Christian theology).
655	7#	$a Sermons $y 1652. $2 rbgenr
752	##	$a United States $b Massachusetts $d Cambridge.
776	08	$i Microfiche version (Readex): $a Mather, Richard, 1596-1669. $t Summe of certain sermons upon Genes: 15.6. $d [Cambridge, Mass.] : Printed by Samuel Green at Cambridg [sic] in New-England, 1652 $2 (OCoLC)62797772
856	40	$u http://opac.newsbank.com/select/evens/35

Example 9. Textual monograph — merged two electronic AACR2 Chapter 9 records; description based on print record

Rec stat c   Entered 20110322   Replaced 20060415
Type a   ELvl I   Srce d   Audn   Ctrl   Lang eng
BLvl m   Form o   Conf 0   Biog   MRec   Ctry nyu
Cont   GPub   LitF d   Indx 0
Desc a   Ills   Fest 0   DtSt s   Dates 113

006		m d
007		$a c $b r
040	##	$a CUS $c CUS
050	#4	$a PS3501.K5 $b P3 1913
049	##	$a CUSL
100	1#	$a Akins, Zoe, $d 1886-1958.
245	14	$a Papa, an amorality in three acts $h [electronic resource] / $c by Zoe Akins.
260	##	$a New York : $b M. Kennerley, $c 1913.
300	##	$a 1 online resource (ix, 95 p.)
490	1#	$a The modern drama series
588	##	$a Description based on print version record.
776	08	$i Print version: $a Akins, Zoe, 1886-1958. $t Papa, an amorality in three acts. $d New York, M. Kennerley, 1913 $w (DLC) 13026591 $w (OCoLC)2545009
830	00	$a Modern drama series.
856	40	$u http://www.aspresolver.com/aspresolver.asp?WODR;PL007710
856	40	$u http://gateway.proquest.com/openurl?ctx_ver=Z39.88-20038xri:pqil:res_ver=0.2&res_id=xri:lion-us&rft_id=xri:lion:ft:dr:Z000781413.0

Example 10. Digital Map

Rec stat n   Entered 20110613   Replaced 20110613
Type e   ELvl I   Srce d   Relf   Ctrl   Lang eng
BLvl m   Form o   GPub f   SpFm   MRec   Ctry cou
CrTp a   Indx 0   Proj   DtSt s   Dates 2007 ,
Desc a

006		m d
007		$a c $b r $d b $e n $j a $k b $l p
040	##	$a NIU $c NIU
034	0#	$a a
043	##	$a n-usc-- $a n-usp--
050	#4	$a G4126.D5 2007 $b .U5
052	##	$a 4126
049	##	$a NIUU
110	2#	$a U.S. Fish and Wildlife Service.
245	10	$a Field location stations, Region 6 $h [electronic resource] / $c U.S. Fish and Wildlife Service.
255	##	$a Scale not given.
260	##	$a Lakewood, Colo. : $b U.S. Dept. of the Interior, U.S. Fish & Wildlife Service, Mountain Prairie Region, Division of Refuge Planning, Branch of GIS and Mapping, $c [2007].
300	##	$a 1 online resource (1 map.) : $b col.
500	##	$a "August 2007."
506	##	$3 Use copy $f Restrictions unspecified $2 star $5 MiAaHDL
533	##	$a Electronic reproduction. $b [S.l.] : $c HathiTrust Digital Library, $d 2010. $5 MiAaHDL
538	##	$a Master and use copy. Digital master created according to Benchmark for Faithful Digital Reproductions of Monographs and Serials, Version 1. Digital Library Federation, December 2002. $u http://purl.oclc.org/DLF/benchrepro0212 $5 MiAaHDL
583	1#	$a digitized $c 2010 $h HathiTrust Digital Library $l committed to preserve $5 MiAaHDL
588	##	$a Description based on print version record.
610	20	$a U.S. Fish and Wildlife Service $v Maps.
610	20	$a U.S. Fish and Wildlife Service $x Management $v Maps.
650	#0	$a Wildlife conservation $z Northwestern States $v Maps.
776	08	$i Print version: $a U.S. Fish and Wildlife Service. $t Field station locations, Region 6. $d of Lakewood, Colo. : U.S. Dept.of the Interior, U.S. Fish & Wildlife Service, Mountain Prairie Region, Division Refuge Planning, Branch of GIS and Mapping, [2007] $w OCoLC)182560717
856	40	$3 HathiTrust Digital Library $u http://catalog.hathitrust.org/api/volumes/oclc/182560717.html

Example 11. Sound recording — streaming audio file

Rec stat c	Entered 20110322		Replaced 20060415		
Type j	ELvl K	Srce d	Audn	Ctrl	Lang eng
BLvl m	Form o	Comp jz	AccM	MRec	Ctry cau
Part n	TrAr n				
Desc a	FMus n	LTxt	DtSts	Dates 1995 ,	

006		m h
007		$a s $b z $d z $e u $g n $h n $i n
007		$a c $b r
040	##	$a CUS $c CUS
028	02	$a CCD-4667 $b Concord Jazz
049	##	$a CUSL
100	1#	$a Torme, Mel, $d 1925-1999.
245	10	$a Velvet & brass $h [electronic resource].
246	1#	$a Velvet and brass
260	##	$a Concord, CA : $b Concord Jazz, $c p1995.
300	##	$a 1 online resource (1 sound file) : $b stereo
505	0#	$a Nobody else but me – Liza – If you could see me now – I get a kick out of you – Have you met Miss Jones? – Love walked in – Autumn serenade – My sweetie went away – I'll be around – On the swing shift – High and low – In the still of the night – I'm glad there is you.
511	0#	$a Mel Torme, vocals; Rob McConnell, trombone, conductor ; Boss Brass.
518	##	$a Recorded at Dome Audio & Video, Toronto, July 5 & 6, 1995.
588	##	$a Description based on compact disc version record.
650	#0	$a Jazz vocals.
650	#0	$a Big band music.
700	1#	$a McConnell, Rob.
710	2#	$a Boss Brass (Musical group)
776	08	$i CD version: $a Torme, Mel, 1925-1999. $t Velvet & brass. $d Concord, CA : Concord Jazz, p1995 $2 (DLC) 2004588131 $w (OCoLC)33724450
856	40	$3 Streaming file $u http://www.aspresolver.com/aspresolver.asp?JAZZ;528830

Example 12. Notated music — description based on online resource

Rec stat c   Entered 20110322   Replaced 20110322
Type c   ELvl K   Srce d   Audn   Ctrl   Lang zxx
BLvl m   Form o   Comp sn   AccM   MRec   Ctry gw
Part   TrAr
Desc a   FMusa   LTxt n   DtSt s   Dates 1907

006		m c
007		$a c $b r
040	##	$a CUS $c CUS
050	##	$a M219
049	##	$a CUSL
100	1#	$a Mozart, Wolfgang Amadeus, $d 1756-1791.
240	10	$a Sonatas, $m violin, piano, $n K. 14, $r C major
245	10	$a Sonata no. 9 in F (K. 14) in C major, K. 14 $h [electronic resource] / $c by Mozart (Johann Chrysostom) Wolfgang Amadeus (composer)
246	1#	$a Sonate no. 9 fur Pianoforte und Violin, Koch. Verz. No. 14
260	##	$a [Leipzig] : $b Breitkopf und Hartel, $c 1907.
300	##	$a 1 online resource (1 score (10 p.))
505	0#	$a Allegro – Allegro – Menuetto primo – Menuetto second en Carillon.
588	##	$a Description based on online resource; title from HTML t.p. (Alexander Street Press, viewed Mar. 20, 1011).
650	#0	$a Sonatas (Violin and piano) $v Scores.
856	40	$u http://www.aspresolver.com/aspresolver.asp?SHMU;69422

Example 13. Notated music — description based on print record

```
Rec stat c   Entered 20060328          Replaced 20060403
Type c       ELvl I    Srce  d    Audn        Ctrl        Lang  zxx
BLvl m       Form o    Comp uu    AccM        MRec        Ctry  enk
Part         TrAr
Desc a       FMus a    LTxt  n    DtSt  s     Dates 2001  ,
```

006		m c
007		$a c $b r
040	##	$a CUS $c CUS $d CUS
020	##	$z 9780571517275 (part)
020	##	$z 057151885 (score)
020	##	$z 9780571518883 (score)
041	0#	$g eng
045	0#	$b d19940620
050	#4	$a M385 $b .H
049	##	$a CUSL
100	1#	$a Harvey, Jonathan, $d 1939-
245	10	$a Advaya $h [electronic resource] : $b for cello, electronic keyboard, and electronics (1994) / $c Jonathan Harvey.
260	##	$a London : $b Faber Music, $c 2001.
300	##	$a 1 online resource (1 score (32 p.) + 1 part (19 p.))
306	##	$a 002200
506	##	$3 Use copy $f Restrictions unspecified $2 star $5 MiAaHDL
533	##	$a Electronic reproduction. $b [S.l.] : $c HathiTrust Digital Library, $d 2010. $5 MiAaHDL
538	##	$a Master and use copy. Digital master created according to Benchmark for Faithful Digital Reproductions of Monographs and Serials, Version 1. Digital Library Federation, December 2002. $u http://purl.oclc.org/DLF/benchrepro0212 $5 MiAaHDL
583	1#	$a digitized $c 2010 $h HathiTrust Digital Library $l committed to preserve $5 MiAaHDL
588	##	$a Description based on print version record.
650	#0	$a Trios (Electronic keyboard electronics, violoncello) $v Scores and parts.
650	#0	$a Microtonal music.
776	08	$i Print version: $a Harvey, Jonathan, 19390 $t Advaya. $d London : Faber Music, 2001 $w (OCoLC)639542287
856	40	$u http://www.aspresolver.com/aspresolver.asp?SHMU;410514
856	40	$3 HathiTrust Digital Library $u http://catalog.hathitrust.org/api/volumes/oclc/48715113.html

Example 14. Moving Image — issued in Alexander Street Press database called "Education in Video"

Rec stat c   Entered 20110322   Replaced 20110711
Type g   ELvl K   Srce d   Audn g   Ctrl   Lang eng
BLvl m   Form o   GPub   Time 020   MRec   Ctry meu
Desc a   TMat v   Tech l   DtSt s   Dates 2008,

006		m c
007		$a v $b z $d c $e z $f a $g z $h u
007		$a c $b r
040	##	$a ALSTP $c ALSTP
020	##	$z 9781571107602
020	##	$z 1571107606
050	14	$a LB1631 $b .A23 2008
049	##	$a CUSL
245	00	$a Academic literacy $h [electronic resource] : $b preparing all students for success in college and beyond / $c by Robin Turner.
246	1#	$a Preparing all students for success in college and beyond
260	##	$a Portland, ME : $b Stenhouse Publishers, $c 2008.
300	##	$a 1 online resource (1 video file ; (20 min.)) : $b sd., col.
511	0#	$a Robin Turner.
520	##	$a Academic literacy demonstrates that when we combine higher standards with appropriate-targeted literacy support, students who are often left behind in traditional tracked high school programs can succeed beyond our greatest expectations.
521	##	$a For teachers of middle school and secondary students.
588	##	$a Description based on videodisc (DVD) version record.
650	#0	$a Academic achievement.
650	#0	$a Language arts (Secondary)
650	#0	$a College preparation programs.
650	#0	$a Working class $x Education (Secondary)
655	#0	$a Educational films.
700	1#	$a Turner, Robin, $d 1964-
710	2#	$a Stenhouse Publisher.
776	08	$i Videodisc (DVD) version: $t Academic literacy. $d Portland, Me. : Stenhouse Publishers, c2009 $z 9781571107602 $w (OCoLC)298137897
856	40	$3 Education in video (streaming video) $u http://www.aspresolver.com/aspresolver.asp?EDIV;1520541