**BIBCO Standard Record (BSR) Supplemental Requirements for
Remote & Direct Access Electronic Monographic Resources
Metadata Application Profiles (MAPs)**

Introduction

The supplemental MAPs define a set of elements for direct and remote access monographic electronic resources (Leader/07 "m" or "c") and should be used in conjunction with the BSR MAPs for all formats except for computer files (Leader/06 "m"). For the latter use the BIBCO Standard Record (BSR) for Electronic Resources.

The following MAPs specify elements for the electronic aspects of the resource being cataloged. All elements in the supplemental MAPs either replace, or are in addition to, the required elements outlined in the BSR for the most significant material type of the resource being cataloged. The Leader/06 should be coded for the most significant material type of the resource being cataloged, and the BSR for that material type should be applied for any elements not covered in the supplemental MAPs contained below.

Elements in the Supplemental MAPs are:
- not the complete set of elements for any of the electronic resources covered by this supplement. A cataloger should begin with the set of BSR elements for a resource in a particular format (Leader/06), and then replace or add any fields that appear in these Supplemental MAPs.
- represented by fields, subfields, and codes from *MARC 21 Format for Bibliographic Data*. Codes for positions in the Leader are supplied.
- defined as being either mandatory (M) or mandatory if applicable (A).
- not included if system-supplied (e.g., 001, 003, 005).
- limited to those remote or direct electronic resources requiring special treatment. Cataloger's judgment and/or local institutional policy are valid reasons to use additional fields in a bibliographic record.

Supplemental MAP for Remote Access Electronic Resources

M=Mandatory   A= Mandatory if applicable

Element	Labels and Notes	Use
006 Fixed-Length Data Elements – Additional Material Characteristics		
00	Form of Material BIBCO libraries cataloging in OCLC and other shared bibliographic databases must use MARC 21 control field 006 with the assigned value "m" when the MARC Leader/06 is set to any code other than "m"	M
007 Variable Control Fields – Physical Description Fixed Field		
00	Category of Material "c" For materials other than online books and notated music, use an additional 007 field for other characteristics not specified in the first 007 field	M
01	Specific Material Designation "r"	M
008 Variable Control Fields – Fixed-Length Data Elements		
23/29	Form of Item "o"	M

Element	Labels and Notes	Use
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 Use $a for e-version ISBN; use $z for physical format versions	A
024	Other Standard Identifier Use $a for e-version identifiers; use $z for physical format versions	A
028	Publisher Number Record any relevant publisher/plate issue numbers in $a and $b without special coding	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
245	Title Statement	
	$h Use $h [electronic resource] after $a, $n, or $p (or $f and $g for archival collections)	M
250	Edition Statement Record only edition statements originating from the original publisher/society; ignore statements that pertain to specific provider versions	A

Element	Labels and Notes	Use
260	Publication, Distribution, etc. (Imprint) All online resources are considered published. Record first named publication information that applies to all known instances 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	
	$a Use 1 online resource in $a *(if desired, add other indications of the extent in a parenthetical qualifier)* *	M
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 Proper Note – see 588 field	A
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
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

Element	Labels and Notes	Use
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
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

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

Element	Labels and Notes	Use
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 Masters records, HathiTrust Digital Library, and other digital preservation projects excepted; use with $5)	A
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 the 530 field to describe the type of resource recorded in the 776 field *Example*: `776 08 $i Print version: $a`	A
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`	
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 *Example*: `856 40 $3 Education in video (streaming video) $u [URL]`	A

* 300 field: If giving indications of extent, provide terms according to the type of material of the resource:

- For one or more files in a format that parallels a print, manuscript, or graphic counterpart (e.g., PDF), give an appropriate term in parentheses taken from subrule .5B of AACR2 chapters 2, 3, 5, or 8. For example: 1 online resource (1 score (vi, 27 p.)) : $b ill.

- For other types of files (e.g., audio files, video files), specify the number of files using an appropriate term in accord with AACR2 9.5B3. For example: 1 online resource (1 sound file); 1 online resource (2 video files).

  Note: Audio and video files may be either streaming or downloadable. In a provider-neutral record, the transmission technology (e.g., "streaming") should be omitted from the 300 field for physical description. When appropriate, the transmission technology may be specified in the respective field 856 subfield $3. It may be combined with the package name, e.g., `856 40 $3 Education in video (streaming video) $u http://...`

Supplemental MAP for Direct Access Electronic Resources
M=Mandatory   A= Mandatory if applicable

Element	Labels and Notes	Use
006 Fixed-Length Data Elements – Additional Material Characteristics		
00	BIBCO 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"	M
007 Variable Control Fields – Physical Description Fixed Field		
00	Category of Material "c"	M
01	Specific Material Designation [code varies]	M
008 Variable Control Fields – Fixed-Length Data Elements		
23/29	Form of Item "q"	M
Variable Data Fields		
245	Title Statement	
	$h Use $h [electronic resource] after $a, $n, or $p	M

Element	Labels and Notes	Use
500	Source of Title Proper Note *Example*: 500 $a Title from disc label Make a note for the edition statement if not taken from the source of title proper or otherwise included in the record *Example*: 500 $a Edition statement taken from the container label.	M
538	System Details Note — System Requirements Include, if appropriate, any software requirements necessary for processing the file types	A