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Collaborative Code Envy: ILS vs. MARC for ACRL Statistics

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LEARNING OBJECTIVES

- Why MARC does not map to ACRL report categories
- What ILS codes can provide ACRL title and volume counts
- How to map ACRL requirements to report results

BACKGROUND

Twelve Florida State University System libraries collect statistics every year for the *ACRL Academic Library Trends and Statistics Annual Survey*.

- All use different data collection methods, from electronic macros to tick marks on paper
- All share a common Aleph ILS, but use different collection codes and material type combinations
- In 2019, Technical Services managers collaborated with the centralized Florida Academic Library Services Cooperative (FALSC) to create shared reports that extract data from the ILS for ACRL statistics

STEPS TO SUCCESS

Analyze ACRL category definitions for data to include in a shared report

Discover how the data is coded in the ILS across institutions

Determine how to extract the data for a report

Interpret and apply the data in each library context



MARC FORMAT DEFINITIONS

MARC BIBLIOGRAPHIC FORMAT MATERIAL TYPE DEFINITIONS			
CODE	FORMAT NAME	BIB TYPE	MATERIAL TYPE
BK	Books	Monograph	Print, electronic, manuscript, microform textual materials
CF	Computer Files	Monograph OR Serial	Software, numeric data, multimedia
CR	Continuing Resources	Serial	Print, electronic, manuscript, microform textual materials
MP	Maps	Monograph OR Serial	Print, electronic, manuscript, microform cartographic materials
MU	Music	Monograph OR Serial	Print, electronic, manuscript, microform music and sound recordings
MX	Mixed Materials	Monograph OR Serial	Archival or manuscript collections with mixed forms of materials
VM	Visual Materials	Monograph OR Serial	Projected and non-projected media, graphics, 3-D objects, artifacts, kits
*	Microforms	Monograph OR Serial	Not a type of record -- coded with primary format characteristic
*	Electronic resources	Monograph OR Serial	Not a type of record -- coded with primary format characteristic

ACRL MAPPING TO MARC

ACRL REPORT CATEGORIES	MARC BIB FORMATS
Line 40, Column A (Physical Books)	BK, MU
Line 40, Column B (eBooks)	BK, MU
Line 41 (Databases)	BK, CF, CR, MP, MU, VM
Line 42, Column A (Physical Media)	BK, CF, MP, MU, MX, VM
Line 42, Column B (Digital Media)	BK, CF, MP, MU, MX, VM
Line 43, Column A (Physical Serials)	CF, CR, MP, MU, VM
Line 43, Column B (Digital Serials)	CF, CR, MP, MU, VM
Line 40a. Books (Volume Count)	BK, CR, MU

MARC bib format codes were not granular enough to map to ACRL report categories without including complex codes from multiple fields to identify e-resources, microforms, serials, and other material characteristics that meet ACRL requirements.

ACRL REPORT CATEGORIES AND ILS CODE CHARACTERISTICS

ACRL REPORT CATEGORIES	INCLUDE	EXCLUDE
Line 40, Column A (Physical Books)	Print monographs, music scores, and gov docs	Serials, microforms, maps, nonprint
Line 40, Column B (eBooks)	Owned/leased, aggregated sets, digitized scores, OA, ETDs	HathiTrust, CRL, Internet Archive, DDA, and PDA
Line 41 (Databases)	Open access	Discovery systems
Line 42, Column A (Physical Media)	Microforms, audiovisual, maps, graphics, realia	Serial microforms
Line 42, Column B (Digital Media)	Media in digital format and streaming media	Serials, image databases and DDA/PDA
Line 43, Column A (Physical Serials)	Print periodicals, microform, newspapers, annuals, journals, proceedings, and numbered monographic series	
Line 43, Column B (Digital Serials)	Current and ceased titles, open access	
Line 40a. Books (Volume Count)	Duplicate copies, bound serial volumes, music scores, and gov docs	Microforms, maps, nonprint

ILS CODES	ACRL CATEGORIES ADDRESSED
LOCATION	Title level material type
COLLECTION	Title level material type
BIB FORMAT	Title level material type
MATERIAL TYPE	Item level for print volume count
ITEM STATUS	Exclude withdrawn & uncataloged

Combining ILS codes with MARC Bib Format helped indicate material types that would typically be found in a specific library collection to include or exclude counts from the ACRL report.

SAMPLE TITLE MAPPING MATRIX

LOC CODE	COLL CODE	BIB FORMAT	COUNT	ACRL REPORT CATEGORY	COLLECTION NAME	MAT TYPE
NFUCC	GENL	BK	488,167	Line 40, Column A (Physical Books)	General Collection	Books
NFUCC	GENL	MU	91	Line 40, Column A (Physical Books)	General Collection	Music
NFUCC	GRNOV	BK	234	Line 40, Column A (Physical Books)	Graphic Novels	Books
NFUCC	MDSCO	MU	5,509	Line 40, Column A (Physical Books)	Media--Music Scores	Scores
NFUCC	RFELE	BK	131	Line 41 (Databases)	Online--Databases	Electronic
NFUCC	ATLS	MP	175	Line 42, Column A (Physical Media)	Atlas Collection	Maps
NFUCC	FLMAP	MP	150	Line 42, Column A (Physical Media)	Florida Docs Maps	Maps
NFUCC	MDVDI	VM	1,546	Line 42, Column A (Physical Media)	Media--DVD	DVDs
NFUCC	PEMFM	BK	159	Line 42, Column A (Physical Media)	Periodicals--Microfilm	Microfilm
NFUCC	USELE	VM	353	Line 42, Column B (Digital Media)	Online--Edocs	Electronic
NFUCC	USDC	SE	2,129	Line 43, Column A (Physical Serials)	Government Docs	Serial
NFUCC	PERI	SE	4,249	Line 43, Column A (Physical Serials)	Periodicals--Print	Serial
NFUCC	USELE	SE	5,305	Line 43, Column B (Digital Serials)	Online--Edocs	Electronic

Some collections included multiple material types that fit different ACRL definitions. Combining collection and MARC Bib Format codes in a matrix that mapped ILS report line items to ACRL report categories identified where to count those titles.

ALEPH REPORT FOR TITLES

FALSC developed two reports to extract data from the shared ExLibris ALEPH ILS on demand. One report pulled data for bib record counts using combined MARC format and ILS collection codes to report title counts to ACRL, and the other pulled item level data to report print volume counts.

Bib Record Counts by Format for ACRL

These counts do not include deleted bibliographic records. To get a list of records with invalid MARC format codes click the LIST button on the right.

SELECT INSTITUTION: --select an institution--

SELECT REPORT TYPE: Bib count by Bib Format Bib count by Bib Format and Sublibrary/Collection

SELECT ENDING DATE: 20190916 If Applicable; DELETE if not needed; OK to leave with today's date

GO

RETURN TO REPORT LIST

ALEPH REPORT FOR VOLUMES

Item Record Counts by Category for ACRL

Use this report to get a count of all items for an institution by collection, material type, item status, item processing status and combinations of those plus sublibrary, collection, material type, item processing status.

The last report can be run with a date range or without the date range to count all items. Counts by Collection, Material Type and Item Status do not include items that are withdrawn, not received and other items that are not currently held. Counts do NOT include items sent to FLARE. Counts by Item Processing Status include ALL items. Type is the Material Type from the Item record and may not be equivalent to a Bibliographic format.

This report is helpful in completing ACRL (and similar) reports. The original report is still available at <https://arrow.flvc.org/reports/f?p145:37>.

SELECT INSTITUTION: --select an institution--

REPORT BY: Collection Material Type Collection and Material Type Item Status Collection and Item Status Item Processing Status Collection and Item Processing Status Sublibrary/Collection/Material Type/Item Processing Status (ALL) Sublibrary/Collection/Material Type/Item Processing Status by DATE RANGE

SELECT Beginning Date: 1985-08-05 for use with Sublibrary/Collection/Material Type/IPS by DATE RANGE; DELETE if no beginning date is needed

SELECT Ending Date: 2019-09-16 for use with Sublibrary/Collection/Material Type/IPS by DATE RANGE

GO