Virtual AskQC Office Hours

WorldCat validation
OCLC Metadata Quality
April 2020
Housekeeping

• This session is being recorded
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• All session recordings, slides, and notes are available at [oc.lc/askqc](http://oc.lc/askqc)
Housekeeping

- This session is being recorded
- All session recordings, slides, and notes are available at oc.lc/askqc
- After the session, you will be directed to a brief, optional survey
On the call today

Nathan Putnam
Director, Metadata Quality

Jay Weitz
Senior Consulting Database Specialist

Bryan Baldus
Consulting Database Specialist

Luanne Goodson
Consulting Database Specialist

Laura Ramsey
Senior Metadata Operations Manager

Hayley Moreno
Database Specialist II
Making valid points – WorldCat validation

Jay Weitz
Senior Consulting Database Specialist

Bryan Baldus
Consulting Database Specialist
How the OCLC-MARC update process works


• Traced history of updating MARC 21 and its implementation as OCLC-MARC.

https://help.oclc.org/WorldCat/Metadata_Quality/AskQC/Previous_AskQC_office_hours
WorldCat Validation

• Rules invoked to examine data for structure, consistency, and compliance with predetermined principles.

• Manual and automatic validation may differ depending upon your interface, your action on the record, your settings.

• Connexion browser, Connexion client, Record Manager all use same validation tables.

MARC codes and conventions

MARC “defines the codes and conventions ... that identify the data elements” in MARC records

- Tags
- Indicators
- Codes
- Repeatability
- Syntax

Image by Sebastien on Unsplash
Enforcement of MARC21

- Enforcement of MARC 21 formatting, coding, relationships
- Invalid fields
- Invalid subfields
- Missing required elements
- Repetition of nonrepeatable elements
- Typos in codes
- Incorrect formatting of data

Image by Adam Griffith on Unsplash
The explicit and the implicit

WorldCat Validation enforces what is explicit in MARC.

WorldCat Validation enforces what is implicit in MARC.

There will be no 100, 110, or 111 field in records with field 130.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>NR</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Main Entry - Personal Name</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>Main Entry - Corporate Name</td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>Main Entry - Meeting Name</td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>Main Entry - Uniform Title</td>
<td></td>
</tr>
</tbody>
</table>
Intricate interrelationships

WorldCat Validation may generate:

• Multiple messages from a single error that results in multiple discrepancies

• Reciprocal messages that regard a single error from different points of view

• Messages about multiple occurrences of the same error in different places

An example: bibliographic field 130

Validation can check:
• Mutual exclusivity with other 1XXs
• Mutual exclusivity with 240
• Presence of Mandatory subfield $a
• If subfield $2 is present, its MARC code must be valid

Validation cannot check:
• Spelling
• Correct use of field or subfields
More Than Simply Validation

“Replace” transaction causes the system to examine:

• Disposition of bibliographic record
  • Most notably, “pcc” in field 042
• All changes made to master record
• Authorization used to perform transaction, determined by
  • Connexion authorization level
  • Record Manager account role
• Record validation
MARC code lists

- Source Codes for Vocabularies, Rules, and Schemes
  - https://www.loc.gov/standards/sourceclist/index.html

- Value Lists for Codes and Controlled Vocabularies
  - https://www.loc.gov/standards/va luelist/
Subject heading super list

Subject Heading and Term Source Codes

• Classification Scheme Source Codes
• Curriculum Objective Code and Term Source Codes
• Function Term Source Code
• Genre/Form Code and Term Source Codes
• Name and Title Authority Source Codes
• Occupation Term Source Codes
• Subject Category Code Source Codes
• Target Audience Code and Term Source Codes
• Temporal Term Source Codes
Interfaces and examples
Virtual AskQC Office Hours: WorldCat validation
April 2020

Virtual AskQC Office Hours: WorldCat validation
<table>
<thead>
<tr>
<th>LDR</th>
<th>cam i</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>1098794605</td>
</tr>
<tr>
<td>005</td>
<td>20200207134</td>
</tr>
<tr>
<td>008</td>
<td>190621s2020 nyu 000 1 eng</td>
</tr>
<tr>
<td>010</td>
<td>2019024907</td>
</tr>
<tr>
<td>020</td>
<td>DLC ‡b eng ‡r da ‡t DLC ‡t MJB ‡d OCLCF ‡d CMI ‡d UAP ‡d O16 ‡d TCH ‡d ZGR ‡d T3Q ‡d TXSCH ‡d NZAUC ‡d DLC ‡d YDX</td>
</tr>
<tr>
<td>040</td>
<td>9781984806437 ‡q (hardcover)</td>
</tr>
<tr>
<td>020</td>
<td>1984806432</td>
</tr>
<tr>
<td>020</td>
<td>‡z 9781984806451 ‡q (ebook)</td>
</tr>
<tr>
<td>050</td>
<td>0 0 PS3561.R44 ‡b V36 2020</td>
</tr>
<tr>
<td>082</td>
<td>0 813/.54 ‡2 23</td>
</tr>
</tbody>
</table>

OCLC Connexion - [Online WorldCat: The vanishing]

1098794605 No holdings in TS233 - 1262 other holdings

LDR cam i
001 1098794605
005 20200207134
008 190621s2020 nyu 000 1 eng
010 2019024907
020 DLC ‡b eng ‡r da ‡t DLC ‡t MJB ‡d OCLCF ‡d CMI ‡d UAP ‡d O16 ‡d TCH ‡d ZGR ‡d T3Q ‡d TXSCH ‡d NZAUC ‡d DLC ‡d YDX
040 9781984806437 ‡q (hardcover)
020 1984806432
020 ‡z 9781984806451 ‡q (ebook)
050 0 0 PS3561.R44 ‡b V36 2020
082 0 813/.54 ‡2 23

Not authorized to delete Sa in 042.
Invalid relationship examples

Validation Results

264 occurrence 2, indicator 2 - invalid relationship - when element is equal to 4, then 264 $c$ must be present
264 occurrence 2, indicator 2 - invalid relationship - when element is equal to 4, then 264 $a$ must not be present
264 occurrence 2, $a$ - invalid relationship - when element is present, then 264 indicator 2 must not be equal to 4

Validation Results

008 181003s2018 nea 000 0 eng d
040 OCLCQ ≠b eng ≠e rda ≠c OCLCQ
020 97894626222227 ≠q (paperback)
020 9462622221 ≠q (paperback)
050 4 NB1278 ≠b.T84913 2018
082 0 0 730 ≠2 23
## Invalid code examples

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCLCQ</td>
<td>b eng e rda c OCLCQ</td>
</tr>
<tr>
<td>040</td>
<td>OCLCQ</td>
</tr>
<tr>
<td>072</td>
<td>JPS +2 bicssc</td>
</tr>
<tr>
<td>072</td>
<td>POL011000 +2 bisach</td>
</tr>
<tr>
<td>072</td>
<td>JPSD +2 thema</td>
</tr>
<tr>
<td>049</td>
<td>OCLC</td>
</tr>
<tr>
<td>100</td>
<td>Bentley, Michelle, +e author.</td>
</tr>
<tr>
<td>245</td>
<td>Syria and the chemical weapons taboo: +b exploiting the forbidden / +c Michelle Bentley.</td>
</tr>
<tr>
<td>336</td>
<td>text +b txt +2 rdaccontent</td>
</tr>
<tr>
<td>337</td>
<td>unmediated +b n +2 rdamedia</td>
</tr>
<tr>
<td>338</td>
<td>volume +b nc +2 rdacarrier</td>
</tr>
<tr>
<td>650</td>
<td>International relations. +2 bicssc</td>
</tr>
<tr>
<td>650</td>
<td>Politics and government / International relations. +2 bicssc</td>
</tr>
<tr>
<td>650</td>
<td>POLITICAL SCIENCE +x International Relations +x General. +2 bisach</td>
</tr>
<tr>
<td>650</td>
<td>POLITICAL SCIENCE +x Security (National &amp; International) +2 bisach</td>
</tr>
<tr>
<td>650</td>
<td>POLITICAL SCIENCE +x International Relations +x Arms Control. +2 bisach</td>
</tr>
<tr>
<td>650</td>
<td>Diplomacy. +2 thema</td>
</tr>
</tbody>
</table>
Invalid data format examples
Other items of note

• Authority record validation
  • Separate rules for LC/NACO Authority File vs. other authority files
  • For NACO contributors: Precomposed diacritics are not allowed
    • é (U+0065+U+0301) is allowed while é (U+00E9) is not

• Unable to setting holdings?
  • Check for validation errors
What questions do you have?
Thank you!

May Virtual AskQC Office Hours
The mysterious 3xx fields

Send cataloging policy questions at any time to askqc@oclc.org
Session links available at oc.lc/askqc

Thursday, May 7 at 9:00 AM Eastern
Thursday, May 14 at 4:00 PM Eastern

Registration available at oc.lc/askqc