

Universal Catalog Discarded Record Scenarios

Overview

When bibliographic records are loaded into the Universal Catalog (UC), they go through a bib duplicate detection analysis. The UC bib duplicate detection and quality hierarchy being used by ILCSO is available from http://www.ilcso.uiuc.edu/Web/Reports/viscat/020506_viscat.html

To summarize that document, ILCSO is comparing bibs based on OCLC number (035 \$a), and the combination of ISBN (020 \$a) and LCCN (010 \$a) to determine if the incoming and existing UC bibs are duplicates.

For the discussion about discarded records below, it is important to note here that when records are loaded into the UC, the Voyager bib record ID number from the local database (created by concatenating the 001 and 003 fields from the incoming bib record) is added to the 035 \$a (e.g., 035 \$a (EIUdb)554719). If the bib record already has an OCLC number, the local bib record ID becomes a second 035 field in the record, and both 035 \$a fields are used in the duplicate detection process.

If the incoming record matches no existing UC records, the incoming bib is added to the UC and a MFHD for the owning library is also created.

If the incoming record matches on only one existing UC record, the incoming bib is analyzed in terms of the UC quality hierarchy.

To summarize the quality hierarchy, if an incoming bib has a lower Encoding level than the existing UC bib, the incoming bib is rejected by the load, but the library's MFHD is added to the existing bib.

If the incoming bib has a higher Encoding level than the existing bib, the existing bib is replaced with the content of the incoming bib and the library's MFHD is added to the bib.

If the incoming bib has the same Encoding level as the existing bib, and the existing bib was input by one of the libraries with OCLC Enhance status for that type/bib level, the incoming bib is rejected by the load, but the library's MFHD is added to the existing bib.

If the incoming bib has the same Encoding level as the existing bib, and the existing bib was NOT input by one of the libraries with OCLC Enhance status for that type/bib level, the existing bib is replaced with the content of the incoming bib and the library's MFHD is added to the bib.

However, if the incoming bib matches on more than one existing UC bib record, the loader doesn't know which bib to use, so the incoming bib is discarded by the load, and NO MFHD is added for the owning library. A message is written to the UC load log file when this happens.

UC Discarded Records

Real-life example from UC update load log file for EIU:

```
145(73): Duplicate Bibs above threshold: replace 2, warning 0.
      BibID & rank
      666865 - 150
      6592182 - 100
      DISCARD Cannot resolve. Record discarded.
146: Previous record not added.
```

The incoming bib record was:

Record #: 1

Leader : 02039cgm 2200445Ia 45e0

Fields :

Tag	Ind	Contents
001		554719
003		EIUdb
005		200211111143324.0
007		vf mbaho-
008		020723s1994 pau030 vlength
035		\$a(OCOLC)ocm29905694
040		\$aDSC\$cDSC\$dOCL\$dA##\$dOCL\$dUOK\$dOCL\$dEIUdb
020		\$a1879151278
028	22	\$aD6616\$bSchlessinger Video Productions
043		\$an-us---
092		\$aB\$bB542M
090		\$aE185.97.B34\$bM37 1994
049		\$aIADA
245	00	\$aMary McLeod Bethune\$h[videorecording] :\$beducator /\$cscrits by Amy A. Tiehel, Jeff Wachtman, Scott Kraus ; directed by Amy A. Tiehel.
260		\$aBela Cynwyd, Pa. :\$bSchlessinger Video Productions,\$cc1994
300		.\$a1 videocassette (30 min.) :\$bsd., col. and b&w ;\$c1/2 in.
440	0	\$aBlack Americans of achievement video collection II
538		\$aVHS.
500		\$aAdapted from the book by Malu Halasa.
508		\$aProduced and directed by Rhonda Fabian & Jerry Baber ; executive producer, Andrew Schlessinger ; camera, Marcis Cole ; editors, Keith Smith, Jonathan M. Donley, Michael Gogal ; music, Michael Keck.
511	3	\$aJohn O'Neal.
546		\$aClose captioned for the hearing impaired.
521		\$aGrade 5 and up.
520		\$aA biography of pioneer educator and civil rights worker Mary McLeod Bethune, who founded her own school for Black children in a time when education for Black people, especially higher education, was not a popular concept, and fought for racial equality through the American political system for her entire life.
600	10	\$aBethune, Mary McLeod,\$d1875-1955.
650	0	\$aEducators\$zUnited States\$vBiography.
650	0	\$aAfrican Americans\$vBiography.
650	0	\$aAfrican American teachers\$vBiography.
650	0	\$aVideo recordings for the hearing impaired.
700	1	\$aTiehel, Amy A.
700	1	\$aHalasa, Malu.\$tMary McLeod Bethune, educator.
710	2	\$aSchlessinger Video Productions (Firm)

Existing UC Bib ID 666865:

The log file message of “rank 150” in this case means the incoming bib matched this existing bib on the OCLC number (035 \$a) and ISBN fields (020 \$a):

Voyager Cataloging - [Bib 666865 : Mary McLeod Bethune [videorecording] : educator.]

File Edit Record Display Options Window Help

New Open Save Search Headings Titles Save to DB New Hldgs Get Hldgs New Items Get Items Hierarchy Help

MARC | System | History |

Leader: 01140cgm 2200301 a 4500 006

005: 20020716133515.0 00Z v-tmbaho-

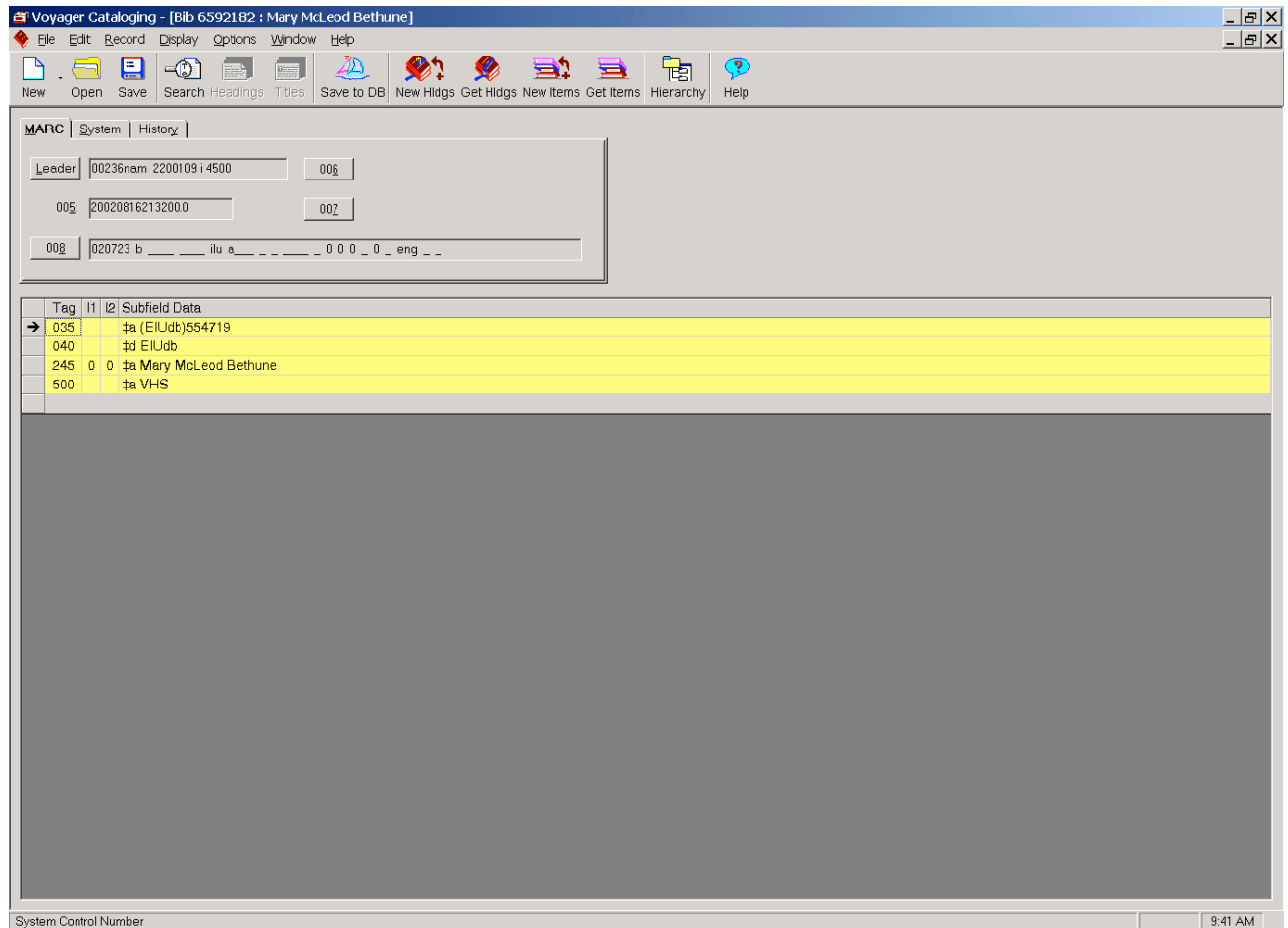
008: 940304 s 1994 pau 030 v l eng _ d

Tag	l1	l2	Subfield Data
020			\$a 1879151278
035			\$a (OCoLC)ocm29905694
035			\$9 AXX-8141
035			\$a (IMSDb)28657
040			\$a DSC \$c DSC \$d JED \$d IMSdb
245	0	0	\$a Mary McLeod Bethune \$h [videorecording] : \$b educator.
260			\$a Bela Cynwyd, Pa. : \$b Schlessinger Video Productions, \$c c1994.
300			\$a 1 videocassette (30 min.) : \$b sd., col. and b&w ; \$c 1/2 in.
440	0		\$a Black Americans of achievement. \$n Video collection II
500			\$a Adapted from the book by Malu Halasa.
508			\$a Produced and directed by Rhonda Fabian & Jerry Baber ; executive producer, Andrew Schlessinger.
511	3		\$a John O'Neal.
520			\$a Chronicles the life of educator Mary McLeod Bethune.
538			\$a VHS.
600	1	0	\$a Bethune, Mary McLeod, \$d 1875-1955.
650	0		\$a African Americans \$v Biography.
650	0		\$a African American teachers \$v Biography.
700	1	1	\$a Halasa, Malu. \$t Mary McLeod Bethune, educator.
710	2	1	\$a Schlessinger Video Productions (Firm)

System Control Number: 9:41 AM

Existing UC Bib ID 6592182:

The log file message of “rank 100” in this case means the incoming bib matched this existing bib on the EIUdb (local) bib record ID (035 \$a):



The screenshot shows the Voyager Cataloging interface for Bib ID 6592182: Mary McLeod Bethune. The MARC record is displayed in a table format:

Tag	Ind 1	Ind 2	Subfield Data
035			\$a (EIUdb)554719
040			\$d EIUdb
245	0	0	\$a Mary McLeod Bethune
500			\$a VHS

The interface also shows a menu bar with options like File, Edit, Record, Display, Options, Window, and Help. Below the menu bar are various icons for actions such as New, Open, Save, Search, and Hierarchy. The status bar at the bottom indicates the System Control Number and the time 9:41 AM.

RESULTS:

This example shows that the full OCLC record that was used at EIU to replace the short ACQ bib in their local database was exported to the UC. However, when it was analyzed by the UC bib duplicate detection process, it matched on two existing UC bibs: the EIU short ACQ bib as well as the full OCLC record that was already in the UC from another library's local database. The end result is that the short ACQ bib remained in the UC, and EIU's MFHD was not added to the full OCLC record.

(Note: this scenario was subsequently fixed in the UC.)

SUGGESTED WORKAROUND:

When a bib record already represented in the UC is marked as “Suppress from OPAC” in the System tab of the bib record, and that bib has only your library’s MFHD linked to it, the corresponding bib record and MFHD in the UC should be deleted. (This assumes that the UC delete transaction created from the OPAC suppress matches only one existing bib the UC. If you adopt this workflow, it is important to mark the bib as OPAC suppressed before you add the correct OCLC number to the bib to replace it.)

ILCSO will be doing the extracts from the local databases into the UC on a daily basis, as part of the nightly batch jobs.

If an individual bib record is marked as OPAC suppressed and then replaced with a full bib record on the same day, it is the replace (e.g., UC update transaction) that will be loaded into the UC because it is the most recent transaction on that bib. In this case, the short ACQ bib is not deleted. And it is likely that the incoming record will be discarded as having matched two existing UC bibs (see example above).

However, if a library performs the OPAC suppress transaction on one day (e.g., Monday), then the extract/UC load performed on Monday night will submit a delete transaction to the UC. If the library adds the correct OCLC number and does a replace transaction on the short bib the next day (e.g., Tuesday), then the extract/UC load performed on Tuesday night will submit an update transaction to the UC. Since in theory this update transaction won’t find the short bib in the UC (since it was deleted the previous day), the incoming bib will either be added as new to the UC or (hopefully) match a single existing bib record in the UC and the library’s MFHD will be added to the existing bib.

This workaround may not give the desired result in all cases, but it should result in significantly fewer discarded UC transactions, and should help with the quality of the UC by deleting short ACQ bibs when they have been replaced by full bibs in the local catalog.