

BATCH LOADING VENDOR MARC RECORDS FOR ELECTRONIC RESOURCES

Project goal: Implement a standard validation process for the timely batch loading of electronic resource MARC records from a variety of sources so users are able to retrieve the records when searching the catalog.

The University of Michigan Library:

- Follows the single record approach.
- Merges electronic version records with print version records.
- Shares the catalog with three other institutions.
- Only merges e-book records with U of M Library records.
- Has manually added vendor URLs to some catalog records.

The dry run is a pre-processing step during which:

- Perl MARC module and local error check routines are applied to the records.
- Reports are generated but the records are not loaded.

The Perl module checks:

- Consist of two programs (Errorcheck and Lint).
- Identify content and structural problems in the records.

Data that is added to all vendor records:

- Unique 035 record identifier
- 7XX for the vendor name
- Local \$z note in the 856 field

Vendor record data used for the match routine:

- ISBN - 020 \$a, 776 \$z
- LCCN - 010 \$a, 776 \$w (DLC)
- OCLC Control Number - 035 (OCoLC), 776 \$w (OCoLC)

Library staff created a document that specifies local content decisions. Access points and data that affect record retrieval are corrected.

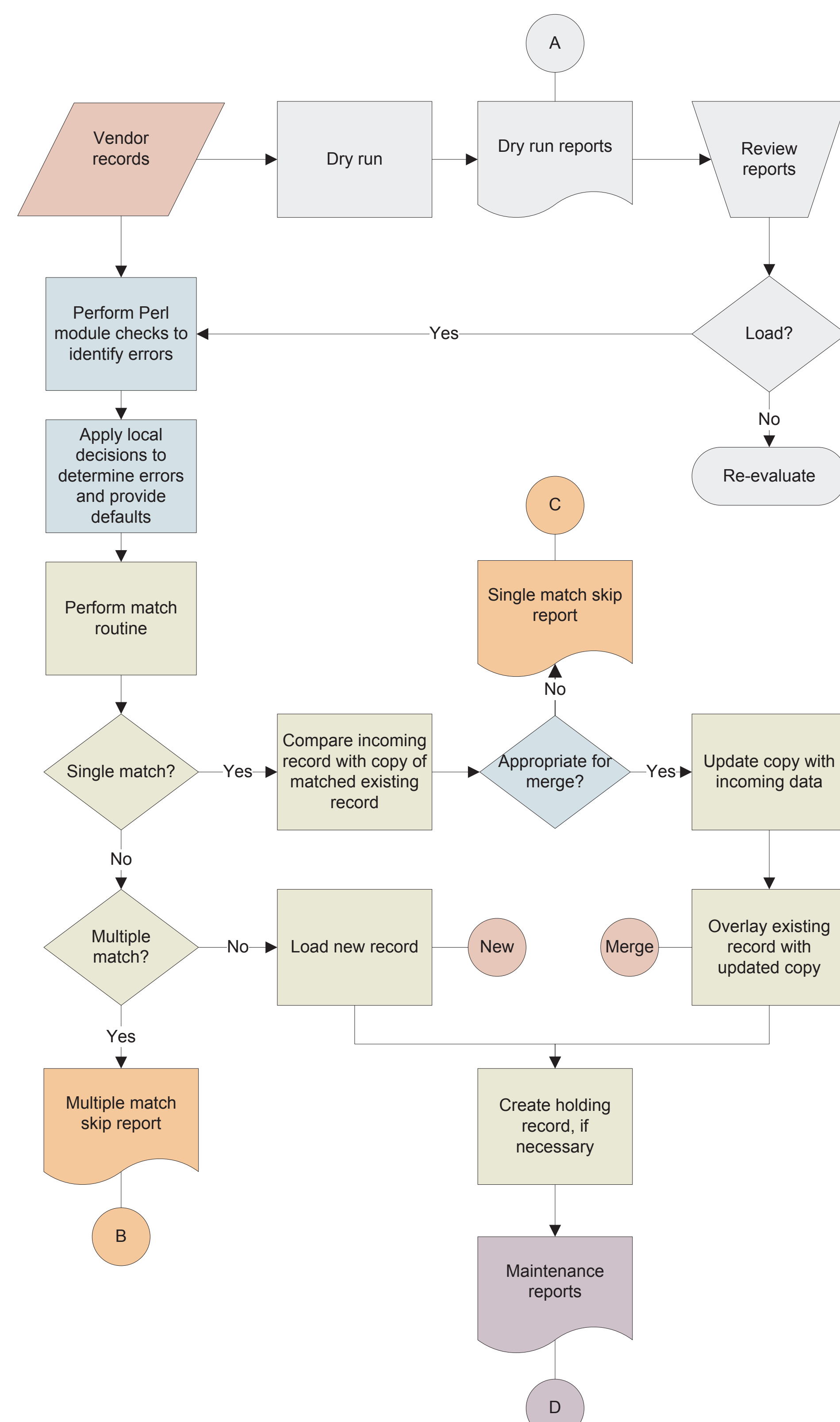
Non-standard descriptive elements (such as spacing, capitalization and punctuation) are not corrected.

Messages are linked in an error table with one of the following actions:

- Ignore the error.
- Remove data.
- Use a local default.
- Load the record and report the error.
- Load the record and suppress from public view.
- Terminate processing.

Sample entries from error_action_table

[rec]	Invalid record length	TERMINATE	Systems to investigate
007	Rec coded [data] but 007 does not exist	IGNORE	default entered by local routine
020	Subfield a has bad checksum	REPORT	
1XX	Only one 1XX tag is allowed	SUPPRESS	
245	Indicator is 1 but 1xx does not exist	REPORT	
533	[any]	REMOVE	field deleted by local routine
any	multiple internal spaces	IGNORE	
any	Subfield [data] is not repeatable	REPORT	
any	Non-filing indicator is non-numeric	SUPPRESS	



New Incoming record loaded as new and suppressed

```
LDR ^^^^^nm^2200349^a^4500
001 xyz2002502
003 EVND
006 m u
007 cr|n|||||
008 001027s2000^^^^enka^^^^sb^^^^001^0^eng
010 $$z987654
015 $$aGBA0-65997
020 $$a9780415236977 (hardcover)
020 $$a0415236978 (hardcover)
035 $$a(EVND)xyz2002502
040 $$aEVND$cEVND$dMiU
05014 $$aHQ767.9$b.G734 2000
1001 $$aGannon, Julia.
24510 $$aNetworking children /$h[electronic resource]$$cJulia Gannon.
24510 $$aNetworking children$h[electronic resource] :$$bcare and family life in later childhood /$cJulia Gannon.
260 $$aLondon :$$bRoutledgeFalmer,$c2000.
300 |avii,232p. :$bill. ;$c23 cm.
650 0 $$aChildren$xFamily relationships.
7300 $$aElec Vendor Digital Library.
85640 $$zAccess to the Elec Vendor Digital Library online version restricted; authentication may be required:$uhttp://site.evend.com/lib/umich/Doc?id=2002502$$zAn electronic book accessible through the World Wide Web; click to view
96999 $$aSUPPRESS preload validation error$b245: Field is not repeatable.
96999 $$aSUPPRESS local routine error$bLDR/06 is m
96999 $$aREPORT local routine error$brecord lacked 007, created default 007
STA $$aSUPPRESSED
```

Merge Incoming record merged with existing

```
LDR ^^^^^nm^2200349^a^4500
006 m^^^^^^^^d^^^^^^^^
007 cr|n|||||
008 001027s2000^^^^enka^^^^sb^^^^001^0^eng
010 $$z987654
015 $$aGBA0-65997
020 $$a9780415236977 (hardcover)
020 $$a0415236978 (hardcover)
035 $$a(EVND)xyz2002502
040 $$aEVND$cEVND$dEYM
05014 $$aHQ767.9$b.G734 2000
1001 $$aGannon, Julia.
24510 $$aNetworking children$h[electronic resource] :$$bcare and family life in later childhood /$cJulia Gannon.
260 $$aLondon :$$bRoutledgeFalmer,$c2000.
300 $$avii,232p. :$bill. ;$c23 cm.
650 0 $$aChildren$xFamily relationships.
7300 $$aElec Vendor Digital Library.
85641 $$zAccess to the Elec Vendor Digital Library online version restricted; authentication may be required:$uhttp://site.evend.com/lib/umich/Doc?id=2002502
```

KEY
 Deleted from incoming record
 Added to incoming record
 Merged/added to existing
 Error message

A Dry run report (errors preceded by number of occurrences)

```
28 96999 $$aREPORT local routine error$brecord lacked 007, created default 007
1 96999 $$aREPORT preload validation error$b020: Subfield a has bad checksum, 12121212(cased)
17 96999 $$aSUPPRESS local routine error$bLDR/06 is m
2 96999 $$aSUPPRESS preload validation error$b245: Field is not repeatable.
1 96999 $$aSKIP MERGE $bmatched sys rec 003724124 already has an 856 for this vendor, skipped
```

B Multiple match skip report (MAT field contains system bib numbers)

```
LDR ^^^^^nam^2200349^a^4500
006 m^^^^^^^^d^^^^^^^^
007 cr|n|||||
008 990514s2000^^^^enka^^^^sb^^^^001^0^eng
010 $$z777888
020 $$a1234567890
035 $$a(EVND)xyz5000328
040 $$aEVND$cEVND$dMiU
05014 $$aDD801.R76$bF56 2000
1001 $$aFine, Matthew.
24513 $$aNation and society in the early Middle Ages$h[electronic resource]$$bthe middle Rhine valley, 400-1000 /$cMatthew Fine.
260 $$aCambridge, UK ;$aNew York, NY :$$bCambridge University Press,$c2000.
650 0 $$aPolitical culture$zRhine River Valley.
651 0 $$aRhine River Valley$xSocial conditions.
7300 $$aElec Vendor Digital Library.
85640 $$zAccess to the eVendor online version restricted; authentication may be required:$uhttp://site.evend.com/lib/umich/Doc?id=5000328
96999 $$aREPORT preload validation error$b020: Subfield a has bad checksum, 1234567890.
96999 $$aREPORT local routine error$brecord lacked 007, created default 007
96999 $$aSKIP MERGE $bmatched sys rec 003724124 already has an 856 for this vendor, skipped
MAT $$a004060332,006060447
```

C Single match skip report

```
LDR ^^^^^nam^22003254a^4500
006 m^^^^^^^^d^^^^^^^^
007 cr|n|||||
008 000330s2001^^^^enka^^^^sb^^^^001^0^eng
010 $$z123456
020 $$a12121212(cased) :$c45.00
035 $$a(EVND)xyz2002446
040 $$aEVND$cEVND$dMiU
05014 $$aQA76.9.C66$bW64
1001 $$aWilliams, Martin,$d1971-
24510 $$aCharting cyberspace$h[electronic resource]$$cMartin Williams.
260 $$aLondon ;$aNew York :$$bRoutledge,$c2001.
650 0 $$aComputers and civilization.
7300 $$aElec Vendor Digital Library
85640 $$zAccess to the Elec Vendor Digital Library online version restricted; authentication may be required:$uhttp://site.evend.com/lib/umich/Doc?id=2002446
96999 $$aREPORT preload validation error$b020: Subfield a has bad checksum, 12121212(cased)
96999 $$aREPORT local routine error$brecord lacked 007, created default 007
96999 $$aSKIP MERGE $bmatched sys rec 003724124 already has an 856 for this vendor, skipped
```

D Post-load maintenance report (entries preceded by system bib number)

```
004870199 24510 $$aNetworking children /$h[electronic resource]$$cJulia Gannon.
004870199 24510 $$aNetworking children$h[electronic resource] :$$bcare and family life in later childhood /$cJulia Gannon.
004870199 96999 $$aSUPPRESS preload validation error$b245: Field is not repeatable.
004870199 96999 $$aSUPPRESS local routine error$bLDR/06 is m
004870199 96999 $$aREPORT local routine error$brecord lacked 007, created default 007

006060450 24510 $$aAnimals in space$h[electronic resource]$$cMary Jones.
006060450 96999 $$aREPORT preload validation error$b020: Subfield a has bad checksum, 1765748590(cased)
006060450 96999 $$aREPORT local routine error$brecord lacked 007, created default 007
```

Future Plans

- Consider incorporating the Provider Neutral E-Monograph MARC Record Guide metadata application profile.
- Extend the process to Serials Solutions records.
- Enhance the report format.
- Streamline the manual work needed to process records that are rejected or suppressed.
- Improve the process for resubmitting problem records for loading.
- Investigate including 776 field data from existing catalog records into the match and merge process.