

# Voyager's Global Data Change 101

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*tips and tricks for mass record changes*

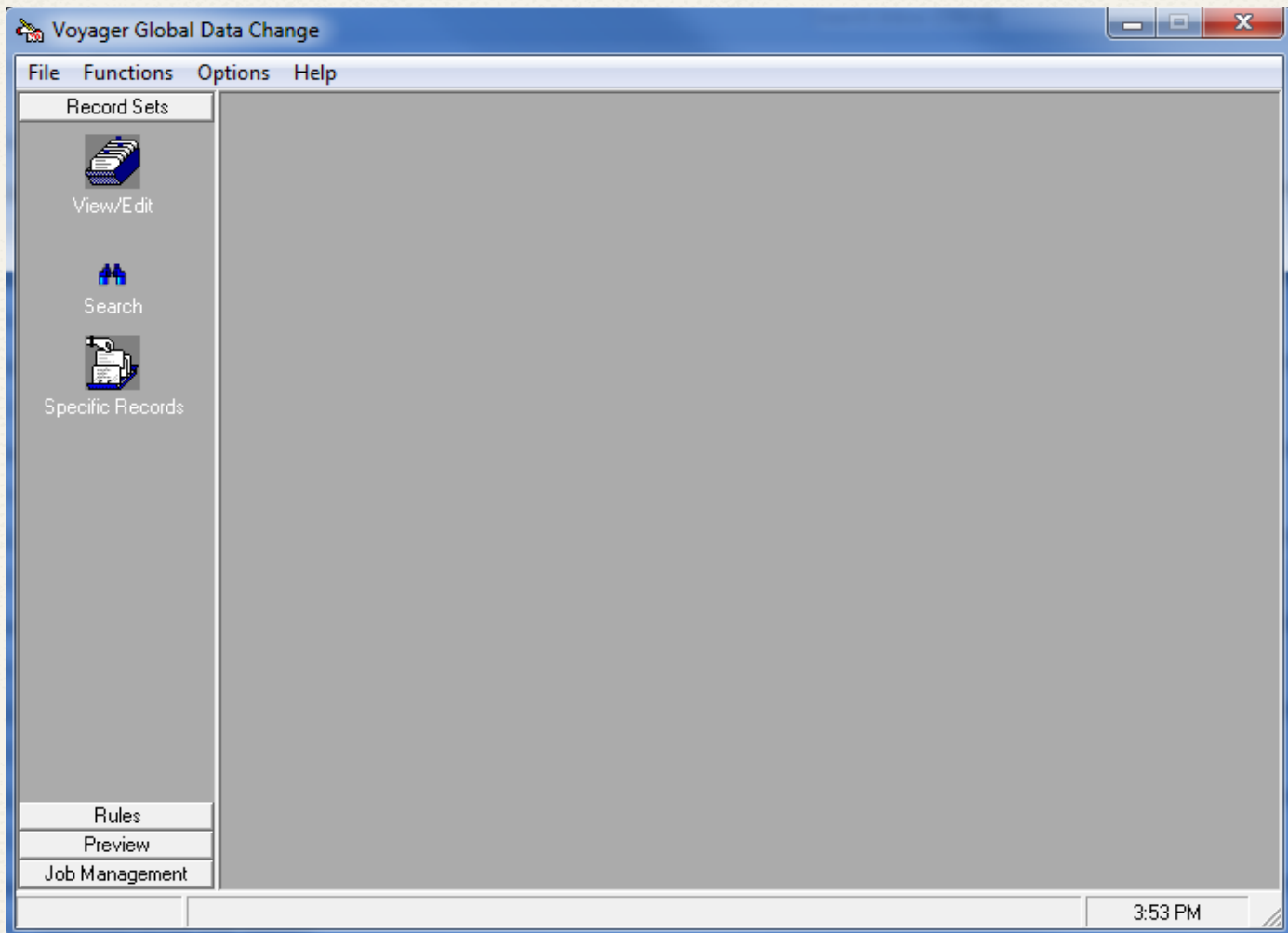
**GIL Users Group Meeting**  
**14 May 2015**  
**Erin Grant**  
**Susan Wynne**

# GDC 101 Agenda

- **GDC Fundamentals**
- Step-By-Step Example GDC Job
- Notes and Best Practices
- Other Example Rules

# What is GDC?

- Voyager module
- First available in Voyager 8
- More than just data changes!
- Now operational for USG libraries
  - ↻ Many thanks to Sean Purcell and Ex Libris staff



# Terminology

Data Change Rule : A condition and consequence for altering MARC records with a Data Change Job



Data Change Rule Set : A set of one or more Data Change Rules



Data Change Rule Set Group : A group of one or more Data Change Rule Sets



Record Set : A set of MARC records. Stored in database as a list of record IDs

Scan Rule : A condition and consequence for creating record sets with a Scan Job



Scan Rule Set : A set of one or more Scan Rules



Scan Rule Set Group : A group of one or more Scan Rule Sets



# What GDC Can Do

## Scan jobs

- Scan entire database, a record set, or range of records
- Define your own criteria, e.g., records with a 590 field
- More granular than standard indexes
- Include or exclude
- Creates a record set
- Caveat: Takes some time to scan entire database
  - ↻ Works in bulk jobs of 1000 apiece

# What GDC Can Do

## Match jobs

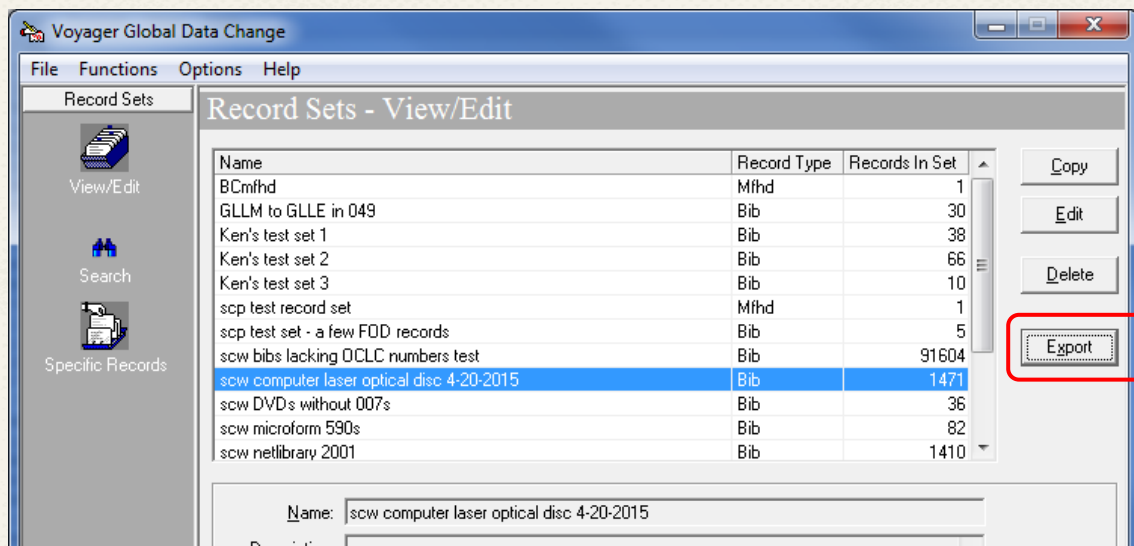
- Generates 035 (003+001) from records in a file and matches with records in database
- Creates record set of matched records, including multiple matches
- Matches on the 035 only, can't change this
  - ↻ All multiple records (e.g. from different vendors) will be matched



# What GDC Can Do

## Export list of Record IDs from record sets

- Can run scan job and export list of Record IDs
- From **Record Sets** or **View Running** screens

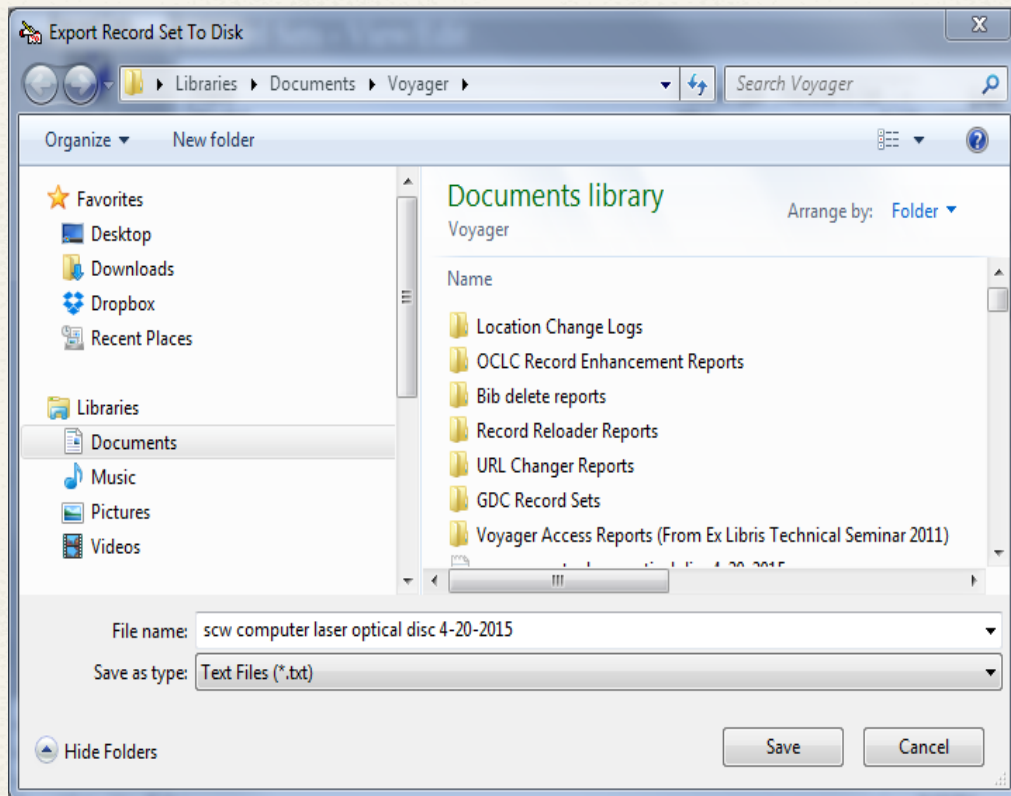




# What GDC Can Do

Export list of Record IDs from record sets

- Default is .txt file
- Put it wherever you want
- Change the name if you want
- Save



# What GDC Can Do

Make changes to batches of records

- Bibliographic
- Holdings
- Authority

# What Kinds of Changes?

- Add or Delete a field or subfield
- Change a MARC tag
- Replace a string of text (at a position, or replace string with string)
  - ↻ Can use Java regular expressions in Replace String with String
- Suppress/unsuppress or delete records\*
  - ↻ Just the records you specify or all associated

\*Gary Strawn's Bib Delete or Location Changer may also be appropriate for suppress/unsuppress or delete projects

# Sorry, No Can Do

## → Change item records

- ↻ We recommend Strawn's Location Changer
- ↻ Pick and Scan is another option

## → “Undo” button

- ↻ But you can re-import a “before” file of MARC records

## → Sort newly added fields in order defined by the library

- ↻ MARC tag sorting functionality planned for 9.2

# Susan's GDC Jobs

- Add a basic 007 to DVD bibs lacking it
- Delete an obsolete 590 note from a set of microform records
- Replace string with a string in a subfield\*
  - ↻ [computer file] GMD
  - ↻ computer laser optical disc

\*as of 4/20/2015 I have done the computer terminology changes only on small subsets of the records needing these changes; there are still many instances in our database

# Erin's GDC Jobs

- Replace a string with a string in a subfield
  - ↻ Subject heading change for subject with a lot of different subfields that Global Headings Change wouldn't catch
- Add a 500 note
  - ↻ (The example GDC job later on)



# GDC Setup

- Install the GDC module
- Check your Voyager.ini (configuration) file
  - ↻ Located in C:\Voyager
  - ↻ Add stanza if needed (next slide)
- Permissions (SysAdmin)
  - ↻ Create Global Data Change Profile(s)
  - ↻ Assign operator(s) to profile(s)



# Voyager.ini

[globaldatachange]

Server=xxxxxx

Port=xxx15

Timeout=60

# Basic Steps for Data Change Jobs

1. Create a record set
2. Define one or more data change rules
3. Create a data change rule set group
  - Even if you are only making one change at a time

(continued...)

# Basic Steps for Data Change Jobs

(...continued)

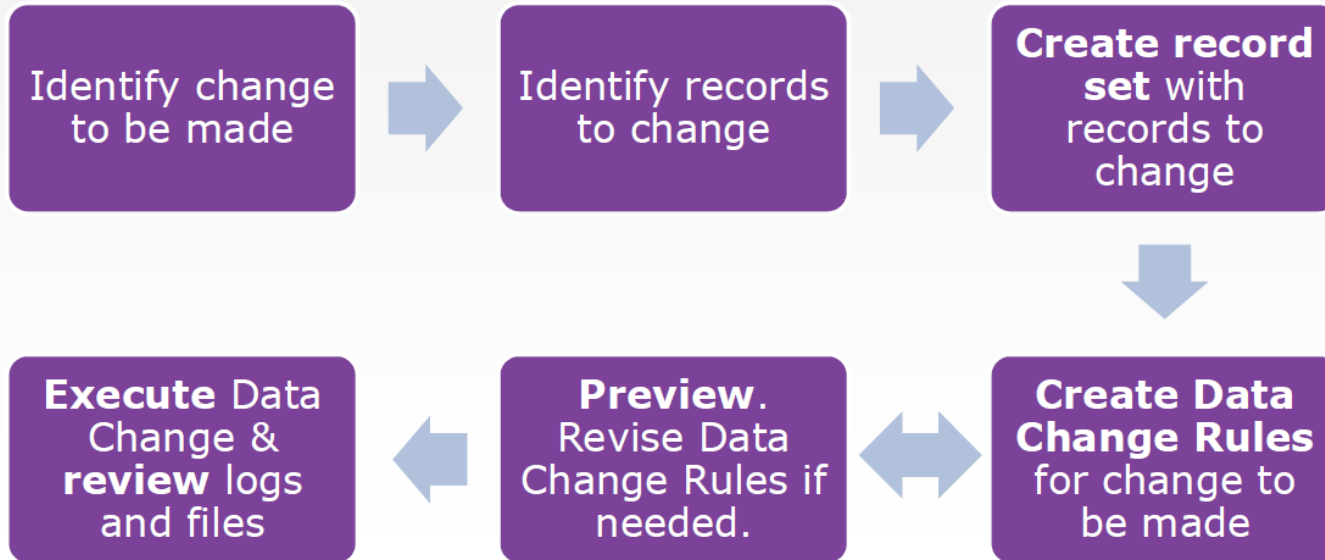
## 4. PREVIEW

↻ Handy before-and-after views of records

## 5. Run job

## 6. Check changes

# Workflow



# Ways to Create a Record Set

## → Search

- ↻ Just like in the cataloging client

## → Add specific records by record ID

- ↻ One-by-one

- ↻ Previously prepared list (e.g., from Access Reports, VgerSelect, etc.) as a text file

# Ways to Create a Record Set

- Scan job (takes some time to run)
  - ↻ So plan *what* and *when* you're going to do in advance if you Scan

GDC record sets will automatically dedupe records for you if you combine multiple sets of records or searches.

# GDC 101 Agenda

- GDC Fundamentals
- **Step-By-Step Example GDC Job**
- Notes and Best Practices
- Other Example Rules



# Step-By-Step Example GDC Job

Desired change to records:

Adding a 500 note to ~170 bib records moved from the stacks to a separate Science Fiction collection.\*

\*I know, it should be a 590, but this was past practice. My plan is to flip all of these notes to 590s in the future all at one time.

✓ It's complicated

# Identify Records to Change

Compile list of Bib IDs for records to change from spreadsheets and emails of items being moved from the stacks to a separate Sci Fi collection, sent from Access Services.

FILE

HOME

INSERT

PAGE LAYOUT

FORMULAS

DATA

REVIEW

VIEW

Undo

Redo

Cut

Copy

Paste

Format Painter

Clipboard

Calibri

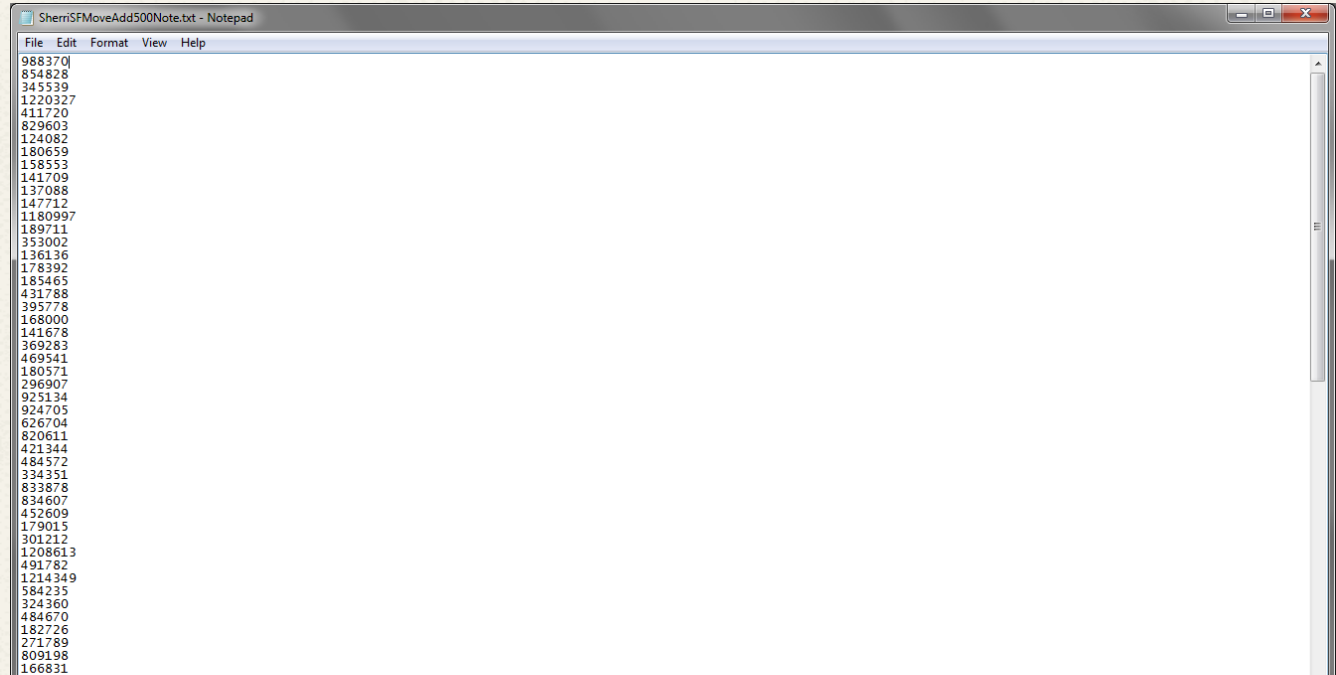
11

A

A

# Identify Records to Change

Copy and  
paste the  
Bib IDs into  
a .txt file



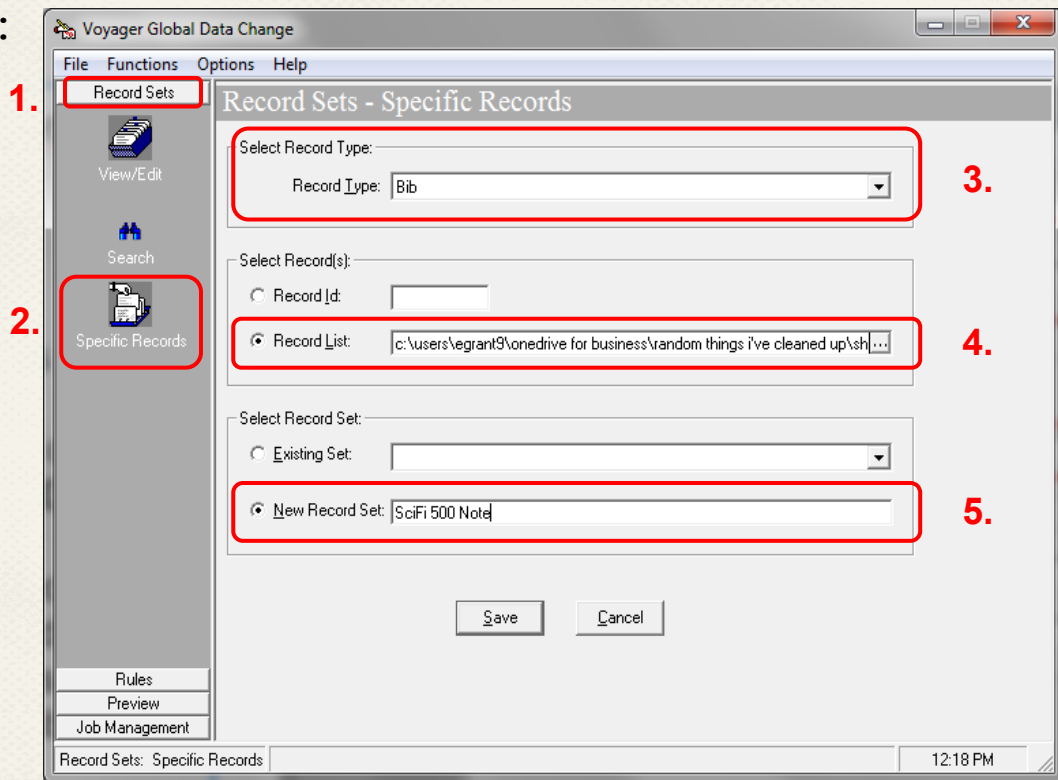
The screenshot shows a Notepad window with the following text:

```
File Edit Format View Help
988370
854828
345539
1220327
411720
829603
124082
180659
158553
141709
137088
147712
1180997
189711
353002
136136
178392
185465
431788
395778
168000
141678
369283
469541
180571
296907
925134
924705
626704
820611
421344
484572
334351
833878
834607
452609
179015
301212
1208613
491782
1214349
584235
324360
484670
182726
271789
809198
166831
```

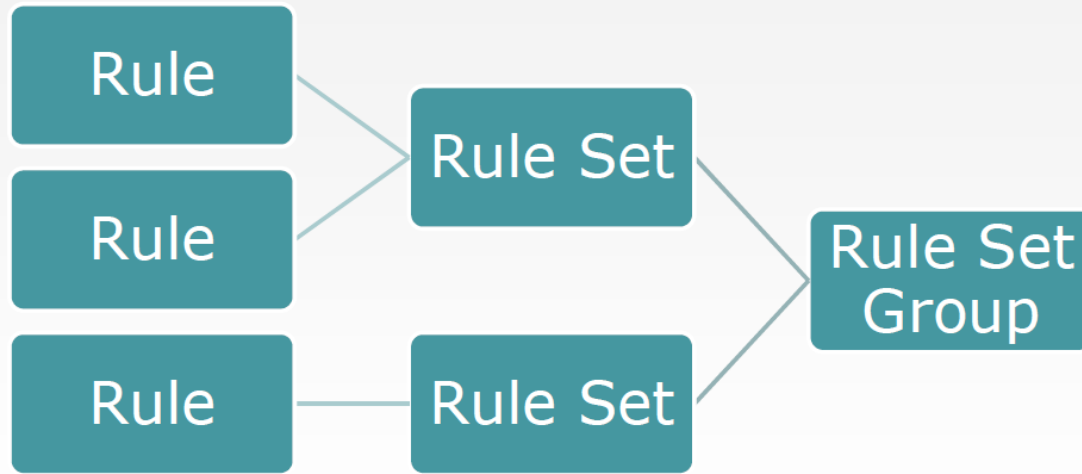
# Create a Record Set

Create a **Record Set** from a list of Bib IDs:

1. **Record Sets**
2. **Specific Records**
3. Select your type of record (Bib/ MFHD/ Auth)
4. **Select Record(s)**: choose the **Record List** button and browse to your .txt file of Bib IDs.
5. **Select Record Set**: choose **New Record Set** and name this record set.



# Rule Structure



One or more rules per Rule Set

One or more Rule Sets per Rule Set Group

Rule Set Group = complete group of rules applied by Data Change Job



# Create Data Change Rule Set

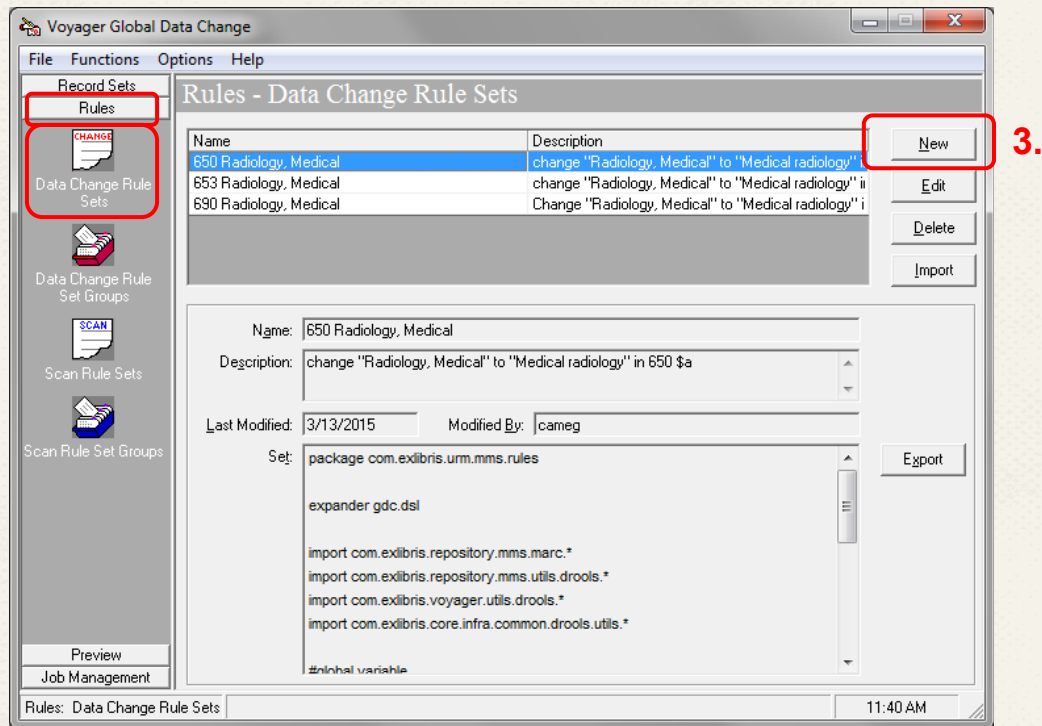
Create a new Data Change Rule Set:

1. Rules

2. Data Change Rule Sets

3. New

(continued...)



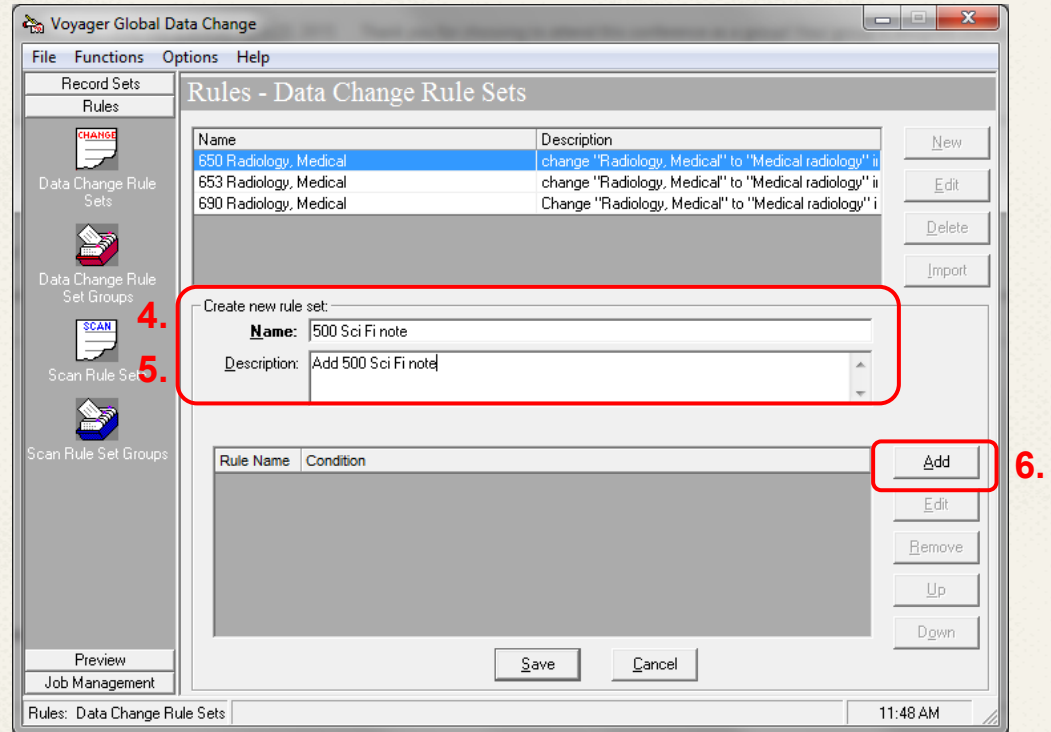
# Create Data Change Rule Set

(...continued)

4. Input **Name**

5. Input short **Description**

6. Click **Add**





# Add Conditions to Data Change Rule Set

**Data Change Rule Set** has been created.

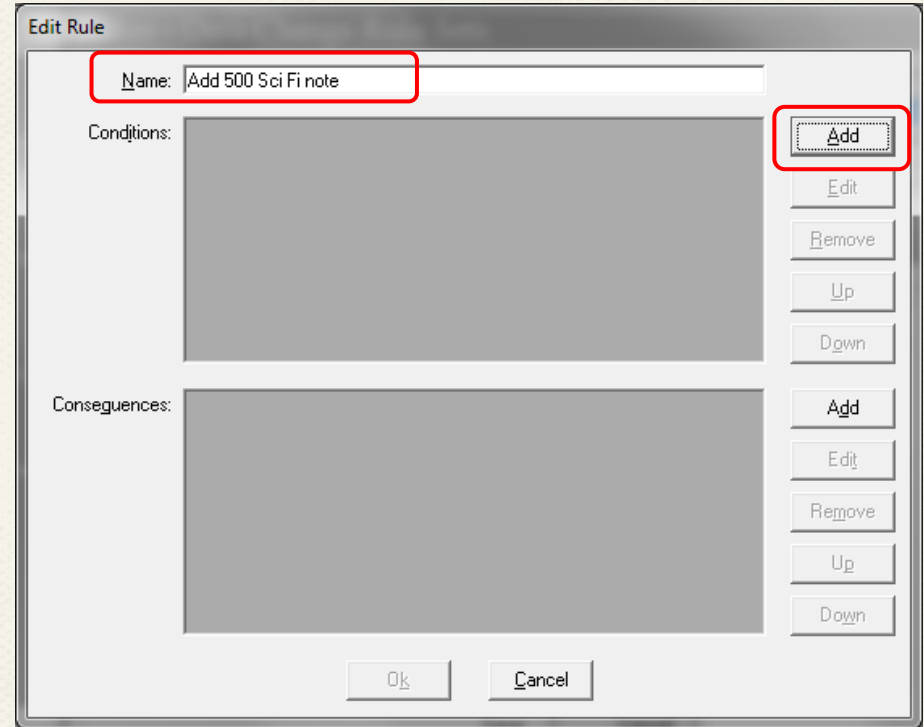
**Edit Rule** window opens - add rule(s) with conditions and consequences to your Data Change Rule Set:

## 1. Input **Name**

I usually only add one Data Change Rule per Data Change Rule Set, so I name them the same.

## 2. Conditions: **Add**

When you click **Add**, a new Rule Condition Template window will open.



# Add Conditions to Data Change Rule Set

**Rule Condition:** identifies what records will be changed (you'll set up the actual changes in the **Rule Consequences**).

(E.g., to make a change to an existing field:

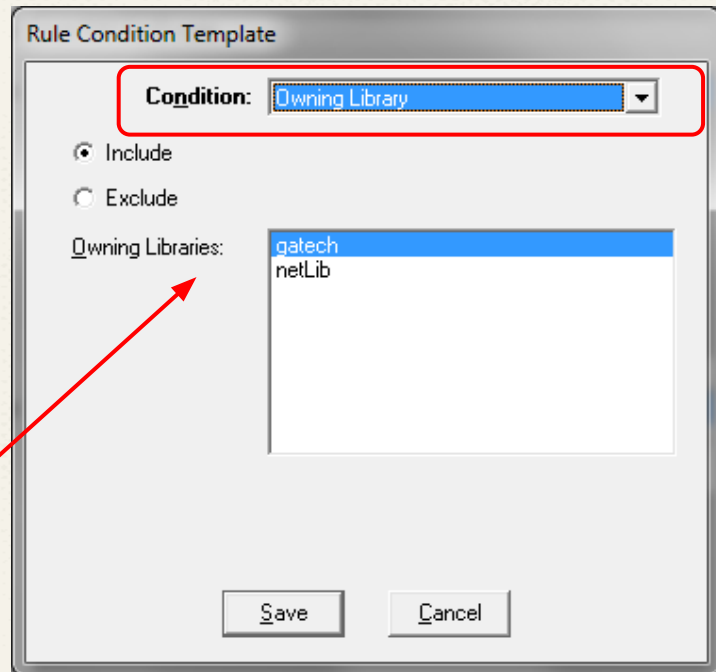
- Create a **Condition** for the presence of that field
- The actual change for that field goes in **Consequences**)

Here I'm adding a new field entirely, so my records won't already have the field I want to change. **Thus I have to find something else to identify my records, which can be completely arbitrary.**

So the condition is GA Tech as the owning library, which will include all of the records in the record set.

Other options to include all records:

- Presence of a 245 or 008



# Add Consequences to Data Change Rule Set

Once you **Save**, your Conditions have been added to your **Data Change Rule Set**.

That window closes, and you're back to the **Edit Rule** window.

Now add your **Consequences**.

Click **Add** to the right of **Consequences**, and a separate **Consequences** window will open.

The screenshot shows the 'Edit Rule' dialog box. At the top, the 'Name' field contains 'Add 500 Sci Fi note'. Below it, the 'Conditions' section contains a single entry: 'WHEN MARC.owningLibrary in "[gatech]"'. To the right of the 'Conditions' list are buttons for 'Add', 'Edit', 'Remove', 'Up', and 'Down'. The 'Consequences' section is currently empty. To the right of the 'Consequences' list, the 'Add' button is highlighted with a red rectangle. Below the 'Consequences' list are buttons for 'Edit', 'Remove', 'Up', and 'Down'. At the bottom of the dialog are 'Ok' and 'Cancel' buttons.

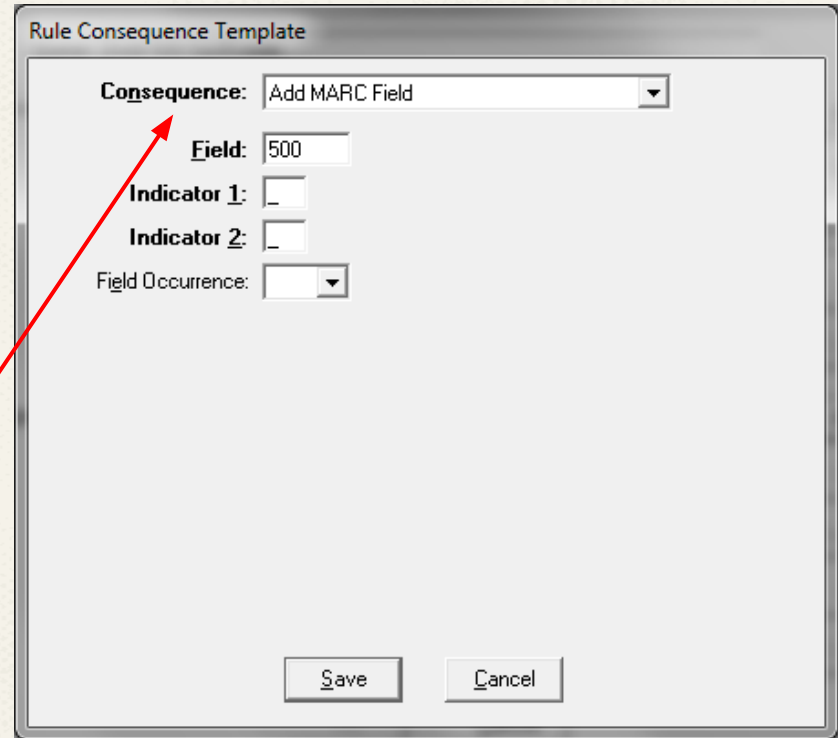
# Add Consequences to Data Change Rule Set

Consequences window:

- Contain input options for consequences (the actual changes) to your records
- Options vary with each type of consequence

I want to add a note in the 500 field, but before I can add the note, first I have to add the 500 field itself.

*(Note: Field Occurrence is for adding multiple fields in a specific order - I left it blank.)*



The screenshot shows a dialog box titled "Rule Consequence Template". It contains the following fields:

- Consequence:** A dropdown menu with "Add MARC Field" selected.
- Field:** A text input field containing "500". A red arrow points from the text "I want to add a note in the 500 field" to this field.
- Indicator 1:** A text input field with a single underscore character "\_".
- Indicator 2:** A text input field with a single underscore character "\_".
- Field Occurrence:** A dropdown menu that is currently blank.

At the bottom right of the dialog box are two buttons: "Save" and "Cancel".

# Add Consequences to Data Change Rule Set

Your first Consequence has been added to your Data Change Rule Set (adding the 500 field).

That window closes, and you're back to the **Edit Rule** window again.

Click **Add** to the right of Consequences to add the next Consequence (to add the 500 \$a note).

A separate **Consequences** window will open again.

The screenshot shows the 'Edit Rule' dialog box. At the top, the 'Name' field contains 'Add 500 Sci Fi note'. Below it, the 'Conditions' section has a single entry: 'WHEN MARC.owningLibrary in "[gatech]"'. To the right of the conditions list are buttons for 'Add', 'Edit', 'Remove', 'Up', and 'Down'. The 'Consequences' section has a single entry: 'create MARC. "500"(" ", " ")'. To the right of the consequences list, the 'Add' button is highlighted with a red rectangle. Below the consequences list are buttons for 'Edit', 'Remove', 'Up', and 'Down'. At the bottom of the dialog are 'Ok' and 'Cancel' buttons.

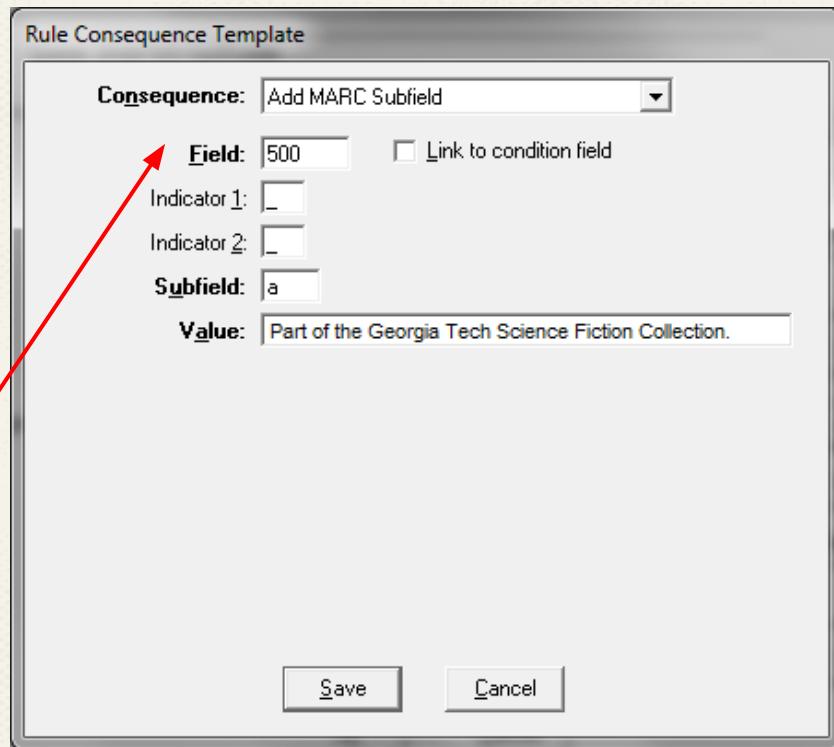
# Add Consequences to Data Change Rule Set

In the Consequences window, you'll have several options for consequences (changes) to your records again.

In the first Consequence I just added, the change will result in the addition of a new 500 field.

**For this second Consequence, I want to add a note to \$a of that newly created 500 field.**

*(Note: Ignore Link to condition field - Ex Libris got rid of it in 9.1 because it confused everyone)*



The screenshot shows the 'Rule Consequence Template' dialog box. It contains the following fields and options:

- Consequence:** A dropdown menu with 'Add MARC Subfield' selected.
- Field:** A text input field containing '500'. A red arrow points to this field from the text in the preceding block.
- ☐ **Link to condition field**
- Indicator 1:** A text input field with an underscore '\_'.
- Indicator 2:** A text input field with an underscore '\_'.
- Subfield:** A text input field containing 'a'.
- Value:** A text input field containing 'Part of the Georgia Tech Science Fiction Collection.'
- Buttons:** 'Save' and 'Cancel' buttons at the bottom right.



# Add Consequences to Data Change Rule Set

When you finish editing the rule and close the window, a final “CHANGED” Consequence is automatically added, which shows up as an Update in the History tab of any records that are changed.

The 'Edit Rule' dialog box is shown with the title 'Edit Rule'. The 'Name' field contains 'Add 500 Sci Fi note'. The 'Conditions' section has a single entry: 'WHEN MARC.owningLibrary in "[lgatech]"'. The 'Consequences' section contains two entries: 'create MARC:"500"("","","")' and 'create MARC:"500" subfield "a" with "Part of the Georgia Tech Science F'. To the right of the lists are buttons for 'Add', 'Edit', 'Remove', 'Up', and 'Down'. At the bottom are 'Ok' and 'Cancel' buttons.

The 'Edit Rule' dialog box is shown in its final state. The 'Name' field is 'Add 500 Sci Fi note'. The 'Conditions' section remains the same. The 'Consequences' section now has three entries: the two from the previous state, followed by 'CHANGED'. The 'CHANGED' entry is highlighted with a red rectangular box. The same set of control buttons is present on the right and bottom.



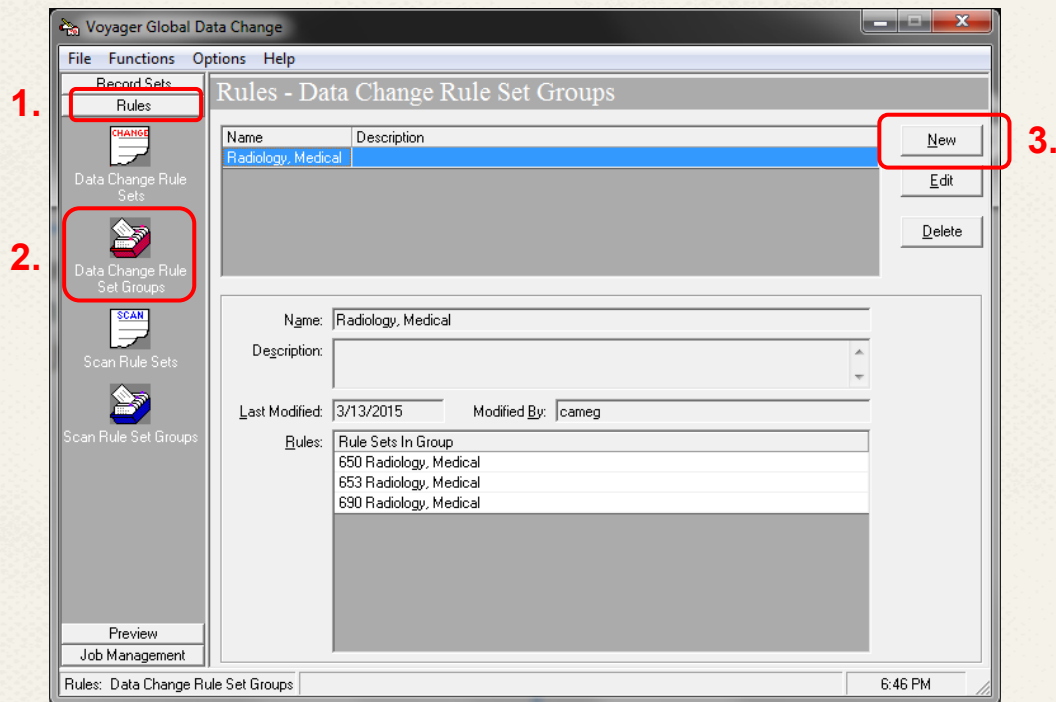
# Create Data Change Rule Set Group

Even for only one Data Change Rule Set, you still have to put it in a **Data Change Rule Set Group** before you can run the job.

Create a Data Change Rule Set Group:

1. **Rules**
2. **Data Change Rule Set Groups**
3. **New**

(continued...)




# Create Data Change Rule Set Group

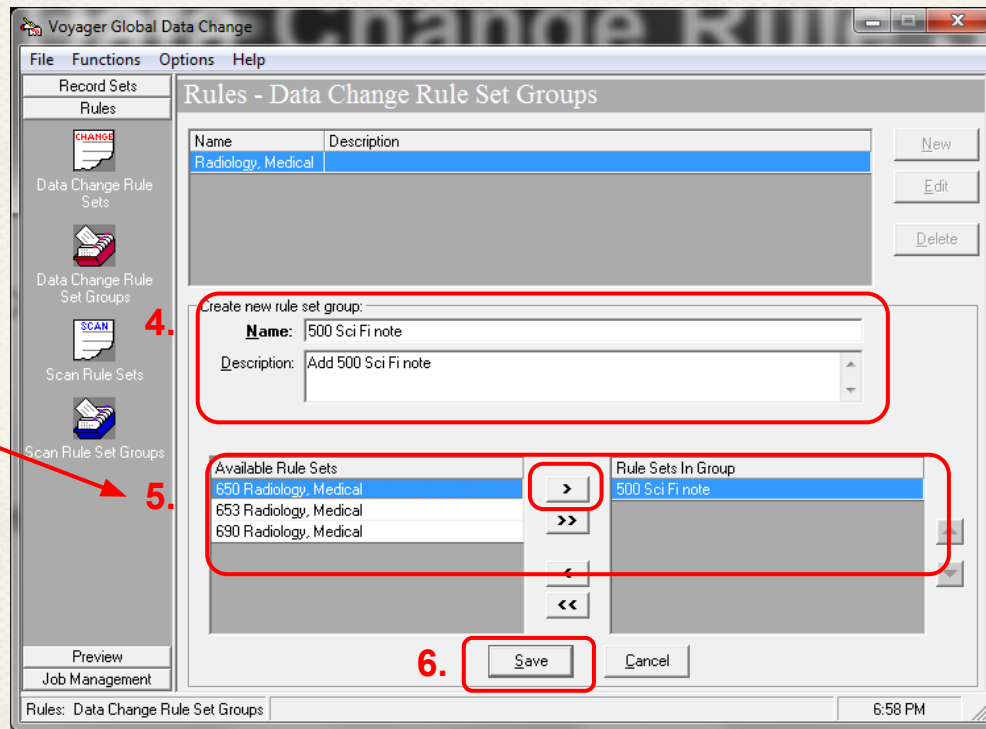
(...continued)

4. Input **Name** and short **Description**

5. The Data Change Rule Sets that you created will show up below on the left.

Highlight the Sets you want to use and click  to add it to your Group

6. **Save**

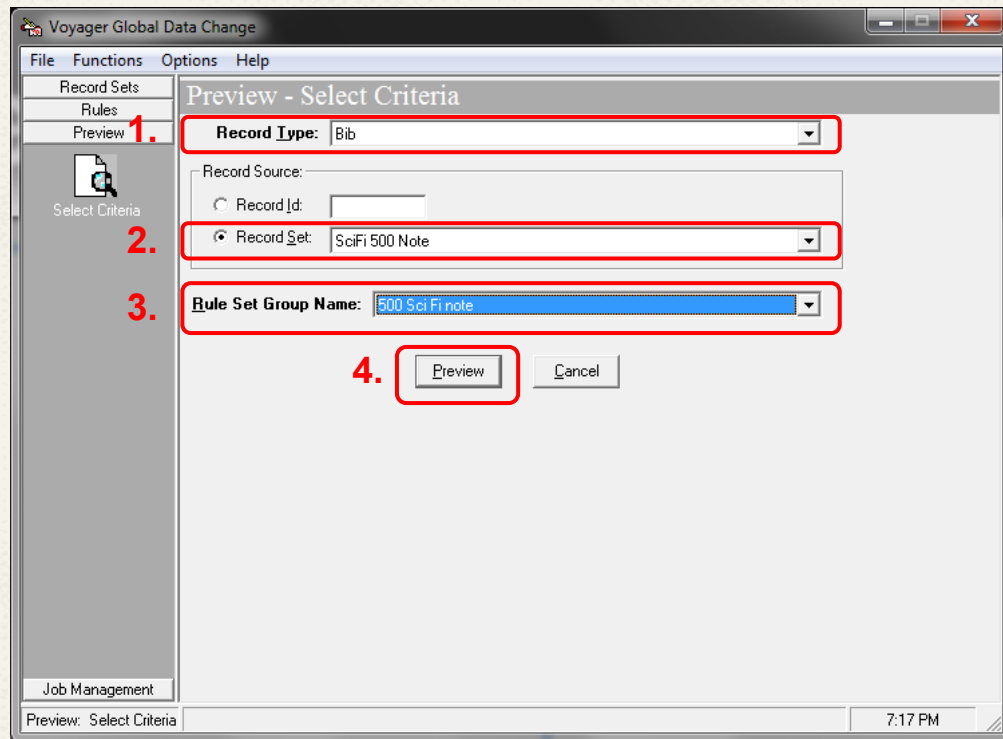


# Preview Your Job

Finally you can set up your Preview to see what your changes will look like.

1. Choose **Record Type**
2. Choose the **Record Set** you added
3. Choose the **Data Change Rule Set Group** you created
4. **Preview**

GDC process includes exporting records, running them through transform action(s), then bulk importing them back in; Preview is just those first 2 steps



# Preview Your Job

Current record is on the left, while the proposed changed record is on the right.

Changes will be highlighted in yellow  
→ Record length changes, which is why leader (000) changes

You can:

- Jump to a specific record number in the sequence
- Go to the next record in the sequence
- Remove records if the proposed change isn't right

Tag	Ind 1	Ind 2	Data (before rules applied)	Tag	Ind 1	Ind 2	Data (after rules applied)
000			01044cam a22002892 4500	000			01113cam a22003012 4500
001			90598	001			90598
005			20130416073547.0	005			20130416073547.0
008			751017r1975 nyucf b 00000ceng	008			751017r1975 nyucf b 00000ceng
010			1a 75025074	010			1a 75025074
014	1		1a 002095564 1b OCoLC	014	1		1a 002095564 1b OCoLC
020			1a 0060100524 : 1c \$7.95	020			1a 0060100524 : 1c \$7.95
035			1a ocm02095564	035			1a ocm02095564
049			1a GATT	049			1a GATT
050			1a ps129 .h4 1975	050			1a ps129 .h4 1975
245	0	0	1a Hell's cartographers : 1b some personal histories of science fiction writers / 1c with contributions by Alfred Bester ... [et al.] ; edited by Brian W. Aldiss, Harry Harrison.	245	0	0	1a Hell's cartographers : 1b some personal histories of science fiction writers / 1c with contributions by Alfred Bester ... [et al.] ; edited by Brian W. Aldiss, Harry Harrison.
250			1a 1st U.S. ed.	250			1a 1st U.S. ed.
260	0		1a New York : 1b Harper & Row, 1c c1975.	260	0		1a New York : 1b Harper & Row, 1c c1975.
300			1a 246 p., [2] leaves of plates : 1b ports. ; 1c 21 cm.	300			1a 246 p., [2] leaves of plates : 1b ports. ; 1c 21 cm.
504			1a Includes bibliographies.	504			1a Includes bibliographies.
650		0	1a Authors, American 1v Biography.	650		0	1a Authors, American 1v Biography.
600	1	0	1a Aldiss, Brian Wilson, 1d 1925- 1v Biography.	600	1	0	1a Aldiss, Brian Wilson, 1d 1925- 1v Biography.
650		0	1a Science fiction, American 1x History and criticism.	650		0	1a Science fiction, American 1x History and criticism.
650		0	1a Science fiction 1x Authorship.	650		0	1a Science fiction 1x Authorship.
700	1	0	1a Bester, Alfred.	700	1	0	1a Bester, Alfred.
700	1	0	1a Aldiss, Brian W. 1q (Brian Wilson), 1d 1925-	700	1	0	1a Aldiss, Brian W. 1q (Brian Wilson), 1d 1925-
700	1	0	1a Harrison, Harry.	700	1	0	1a Harrison, Harry.
999			1 Science Fiction	999			1 Science Fiction
				500			1a Part of the Georgia Tech Science Fiction Collection.

Jump ahead:  Jump

# Preview Your Job

This record already has a 500 that would make this new 500 redundant, so I don't want the change.

Choose **Remove this record from set**

Choose **Close** when you're done previewing the changes to your Record Set and removing any records you don't want changed.

If you close prematurely, GDC will remember the records you removed when you reopen the Preview.

Preview Record Set: SciFi 500 Note

Preview Record: Bibliographic: 134075 Using Rule Set Group: 500 Sci Fi note Record 5 of 178

Tag	Ind 1	Ind 2	Data (before rules applied)	Tag	Ind 1	Ind 2	Data (after rules applied)
000			00825cam a22002412 4500	000			00894cam a22002532 4500
001			134075	001			134075
005			20101214100757.0	005			20101214100757.0
008			790713s1978 nyu b 00000 eng	008			790713s1978 nyu b 00000 eng
010			1a 78004300	010			1a 78004300
014	1		1a 004496156 1b OCoLC	014	1		1a 004496156 1b OCoLC
020			1a 0804427135 : 1c \$9.95. 1a 0804467323 1b pbk. : 1c \$3.95	020			1a 0804427135 : 1c \$9.95. 1a 0804467323 1b pbk. : 1c \$3.95
035			1a ocm04496156	035			1a ocm04496156
049			1a GATW	049			1a GATW
050			1a PS374 .s35 c74	050			1a PS374 .s35 c74
245	0	0	1a Critical encounters : 1b writers and themes in science fiction / 1c edited by Dick Riley.	245	0	0	1a Critical encounters : 1b writers and themes in science fiction / 1c edited by Dick Riley.
260	0		1a New York : 1b Ungar, 1c c1978.	260	0		1a New York : 1b Ungar, 1c c1978.
300			1a viii, 184 p. : 1c 22 cm.	300			1a viii, 184 p. : 1c 22 cm.
490	0		1a Recognitions	490	0		1a Recognitions
504			1a Bibliography: p. 180.	504			1a Bibliography: p. 180.
500			1a Part of the Bud Foote Science Fiction collection.	500			1a Part of the Bud Foote Science Fiction collection.
500			1a Copy 3 gift of Richard Erlich and Miami University (Oxford, OH).	500			1a Copy 3 gift of Richard Erlich and Miami University (Oxford, OH).
650		0	1a Science fiction, American 1x History and criticism.	650		0	1a Science fiction, American 1x History and criticism.
700	1	0	1a Riley, Dick.	700	1	0	1a Riley, Dick.
				500			1a Part of the Georgia Tech Science Fiction Collection.

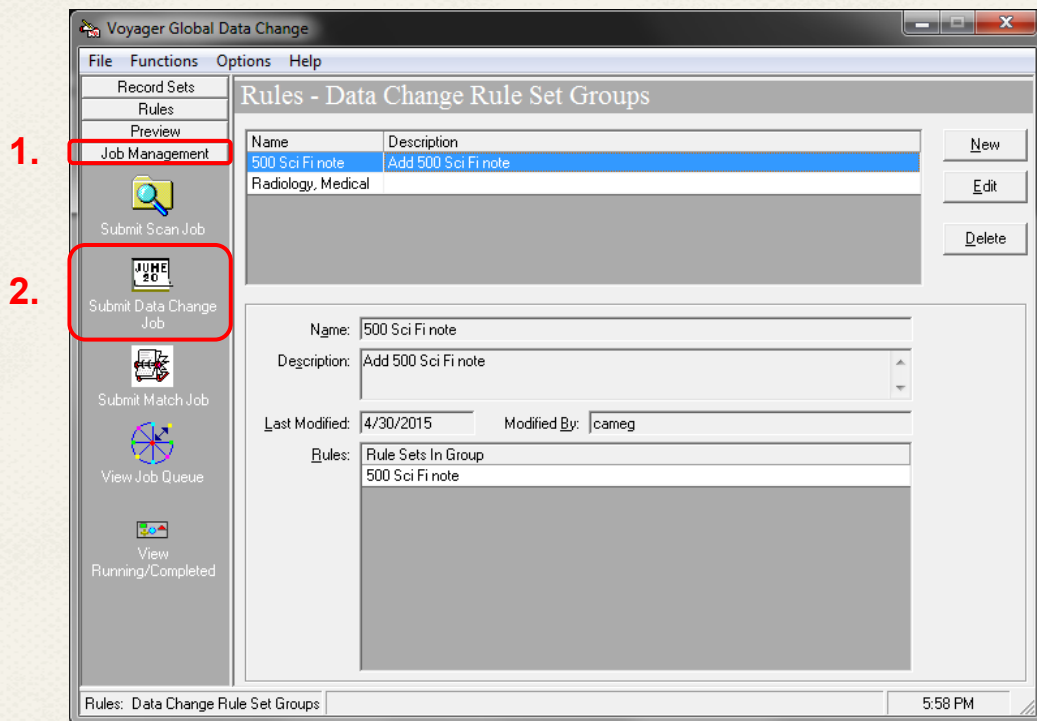
Jump ahead:



# Running Your Job

## 1. Job Management

## 2. Submit Data Change Job



# Running Your Job

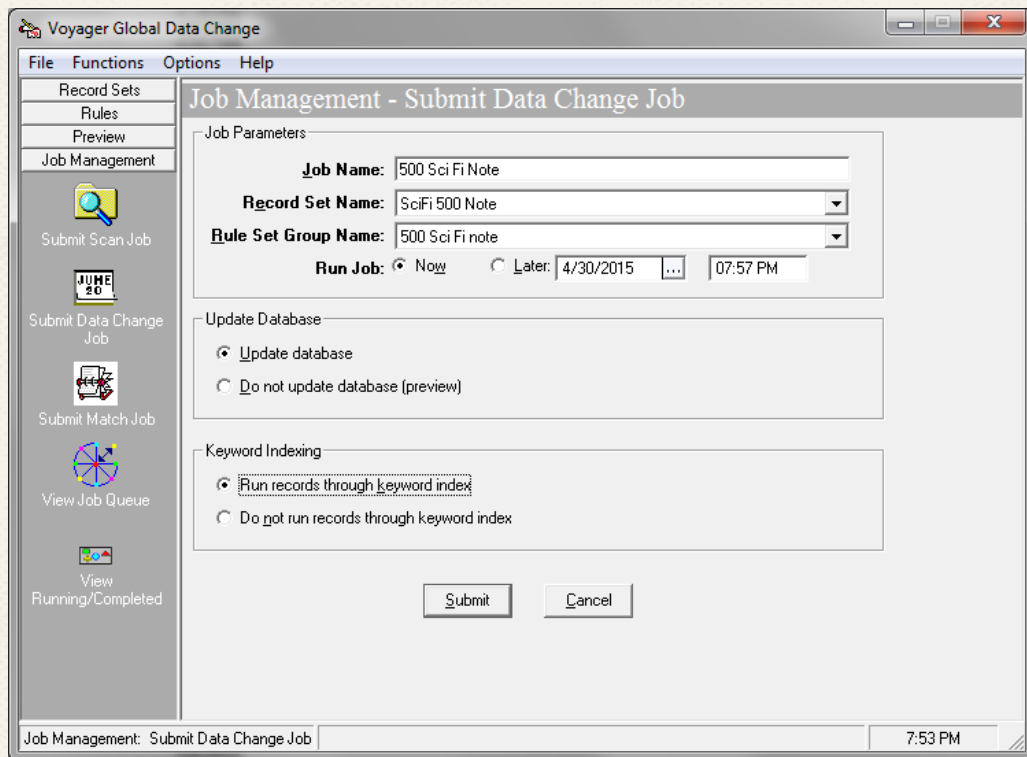
Name your job

Set when to run job

- Immediately, or when department activity or server traffic is slower

Keyword Index option:

- Choose to **Run Records** unless it's a really huge job
- If you choose No, updated records will still be indexed under the old string and thus unfindable -- so be sure to run a Keyword Regen later on





# Running Your Job

## View Job Queue

→ To see your job's position in the queue

## View Running/Completed

→ To see if job is Done, Failed, or Killed

You can view logs when the jobs run, but they won't refresh

Job process wakes up every 5 minutes to check for jobs

**Voyager Global Data Change**

File Functions Options Help

Record Sets  
Rules  
Preview  
Job Management

Submit Scan Job  
Submit Data Change Job  
Submit Match Job  
View Job Queue  
View Running/Completed

### Job Management - View Running/Completed

Date / Time	Status	Job Type	Update DB?	Job Name
2015-03-13 16:23:42	Done	Data Change	Y	Medical radiology
2015-03-24 14:28:54	Killed	Scan		Bosnia and Hercegovina
2015-04-30 19:58:45	Done	Data Change	Y	500 Sci Fi Note

Delete Job  
View Log  
Delete Log  
Get Result Files  
Delete Result Files  
Kill Job  
Refresh

#### Job Summary

Job name:	Medical radiology		
Job type:	Data Change	Job status:	Done
Scheduled start:	2015-03-13 16:22:11	Actual start:	2015-03-13 16:23:42
Operator Id:	cameg	Modify date:	2015-03-13 16:24:50
Records to process:	70	Records processed:	70
Current bulk number:	1	Update database flag:	Y

Job Management: View Running/Completed 6:05 PM

# Check Your Changes

Voyager Cataloging

File Edit Record Display Options Window Help

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

Bib 147712 : Sirian experiments : the report by Ambien II, of the five / Doris Lessing.

MARC System History

☐ Suppress from OPAC

Leader 00700cam a22002172 4500 006

005 20150430195901.0 007

008 1820817 s 1981 nyu \_ \_ \_ \_ \_ 0 0 0 1 1 \_ eng \_ \_

Tag	11	12	Subfield Data
010			\$a 79027710
014	1		\$a 005941786 \$b OCoLC
020			\$a 0394512316 : \$c \$10.95 (est.)
035			\$a ocm05941786
049			\$a GATT
050			\$a pz3 .l56684 si
100	1	0	\$a Lessing, Doris, \$d 1919-2013.
245	1	4	\$a The Sirian experiments : \$b the report by Ambien II, of the five / \$c Doris Lessing.
260			\$a 1st ed.
260	0		\$a New York : \$b Knopf : \$b distributed by Random House, \$c 1981.
300			\$a viii, 288 p. ; \$c 25 cm.
490	0		\$a Canopus in argos archives
600			\$a Part of the Georgia Tech Science Fiction Collection.

Library Of Congress Control Number

8:05 PM



# Check Your Changes

You can also go back to **Preview** to see the changes in your set --

Another way to check your job from within GDC

Preview Record Set: SciFi 500 Note

Preview Record: Bibliographic 90598 Using Rule Set Group: 500 Sci Fi note Record 1 of 166

Tag	Ind 1	Ind 2	Data (before rules applied)	Tag	Ind 1	Ind 2	Data (after rules applied)
000			01113cam a22003012 4500	000			01182cam a22003132 4500
001			90598	001			90598
005			20150430195853.0	005			20150430195853.0
008			751017r1975 nyucf b 00000ceng	008			751017r1975 nyucf b 00000ceng
010			\$a 75025074	010			\$a 75025074
014	1		\$a 002095564 \$b OCoLC	014	1		\$a 002095564 \$b OCoLC
020			\$a 0060100524 : \$c \$7.95	020			\$a 0060100524 : \$c \$7.95
035			\$a ocm02095564	035			\$a ocm02095564
049			\$a GATT	049			\$a GATT
050			\$a ps129 .h4 1975	050			\$a ps129 .h4 1975
245	0	0	\$a Hell's cartographers : \$b some personal histories of science fiction writers / \$c with contributions by Alfred Bester ... [et al.] ; edited by Brian W. Aldiss, Harry Harrison.	245	0	0	\$a Hell's cartographers : \$b some personal histories of science fiction writers / \$c with contributions by Alfred Bester ... [et al.] ; edited by Brian W. Aldiss, Harry Harrison.
250			\$a 1st U.S. ed.	250			\$a 1st U.S. ed.
260	0		\$a New York : \$b Harper & Row, \$c 1975.	260	0		\$a New York : \$b Harper & Row, \$c 1975.
300			\$a 246 p., [2] leaves of plates : \$b ports. ; \$c 21 cm.	300			\$a 246 p., [2] leaves of plates : \$b ports. ; \$c 21 cm.
504			\$a Includes bibliographies.	504			\$a Includes bibliographies.
650	0		\$a Authors, American \$v Biography.	650	0		\$a Authors, American \$v Biography.
600	1	0	\$a Aldiss, Brian Wilson, \$d 1925- \$v Biography.	600	1	0	\$a Aldiss, Brian Wilson, \$d 1925- \$v Biography.
650	0		\$a Science fiction, American \$x History and criticism.	650	0		\$a Science fiction, American \$x History and criticism.
650	0		\$a Science fiction \$x Authorship.	650	0		\$a Science fiction \$x Authorship.
700	1	0	\$a Bester, Alfred.	700	1	0	\$a Bester, Alfred.
700	1	0	\$a Aldiss, Brian W. \$q (Brian Wilson), \$d 1925-	700	1	0	\$a Aldiss, Brian W. \$q (Brian Wilson), \$d 1925-
700	1	0	\$a Harrison, Harry.	700	1	0	\$a Harrison, Harry.
999			\$1 Science Fiction	999			\$1 Science Fiction
500			\$a Part of the Georgia Tech Science Fiction Collection.	500			\$a Part of the Georgia Tech Science Fiction Collection.

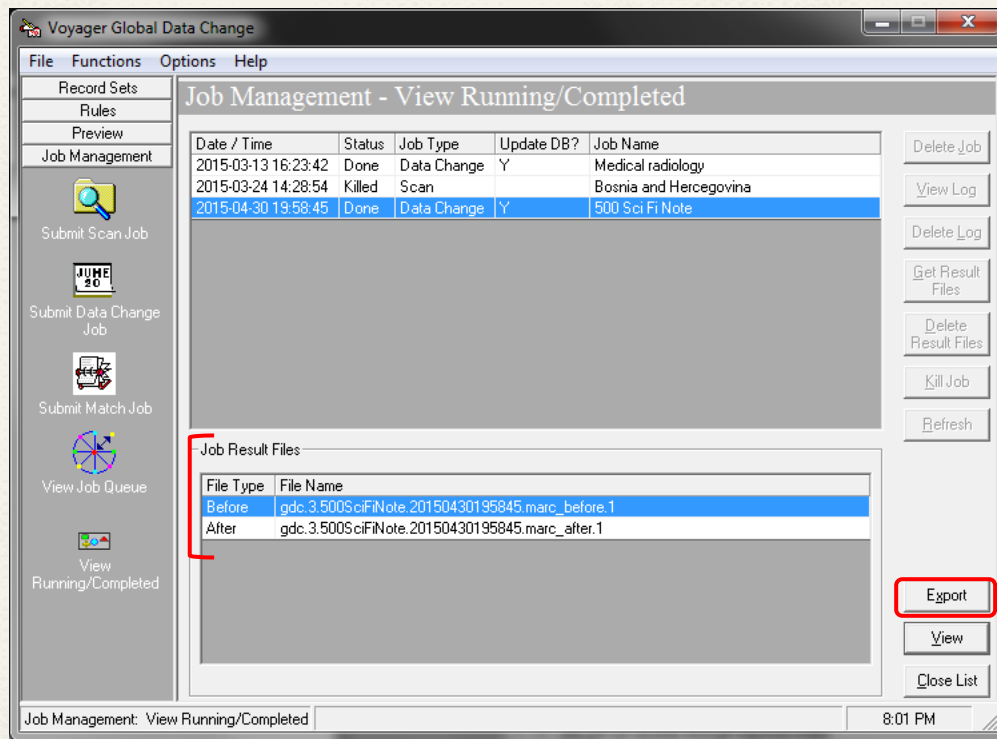
Jump ahead:

# Uh Oh...

## Undoing Changes

Job Management screen:

- Job Result Files
- Export **Before** file
- Re-import records (via pbulkimport or Gary Strawn's Record Reloader)



# GDC 101 Agenda

- GDC Fundamentals
- Step-By-Step Example GDC Job
- **Notes and Best Practices**
- Other Example Rules

# GDC Oddities

## Inexplicable “MARC validation errors”

- Lacking 005?
- Obsolete codes in 008?
- Corrupted leader?
- Re-saving the record in the cat client (without changes) sometimes helps
- Jobs will still run, but skip these records

# Best Practices

- Know thy database
  - ↻ Knowledge of past practices can be extremely useful
- Read the manual
- Start with easy changes and small sets
- Test
- Always use Preview



# Best Practices

- Small number of rules in sets, and sets in groups
  - ↻ A.k.a. KISS
  - ↻ Why? If you reload, it undoes all your job's changes, so it can get complicated if you have lots of rules/sets
- *Lots* of Previewing before you run the job
  - ↻ It's iterative - back and forth between Preview and Rules
  - ↻ Previewing helps you tweak and perfect your rules/sets
  - ↻ = Measure twice, cut once!

# Best Practices

- GDC forces you to name EVERYTHING
  - ↻ All levels: Rules, Rule Sets, Rule Set Groups, etc.
  - ↻ Naming convention is helpful especially if multiple people have their fingers in GDC
  - ↻ Susan puts her initials at the beginning of her stuff

# GDC & Strawn programs

→ Strawn programs are (mostly) easier to learn and use

**BUT...**

→ GDC doesn't require ODBC driver set-up

→ Alma normalization rules use GDC syntax

→ All are good tools for the cataloger's bag of tricks

# GDC Updates

## Voyager 9.0

- Added Suppress/Unsuppress and Delete

## Voyager 9.1

- Copy Rules option to create similar Rule Sets
- Can add records through Match Job (via 035) = good for vendor files of record deletions

# GDC Updates

## Voyager 9.2

- MARC tag ordering
- Integration with Global Headings Queue workflow
- Updates to Owning Library, Ok to export options

## Alma

- GDC syntax is used to create Normalization Rules

---

## For more on GDC

---

### Articles in Ex Libris Support Portal

- Search for "Global Data Change"
- Some articles are How-Tos

### Can share Rule Sets and Groups

- Ability to import and export between users

VOYAGER-L

# GDC 101 Agenda

- GDC Fundamentals
- Step-By-Step Example GDC Job
- Notes and Best Practices
- **Other Example Rules**



# Replace String with String - 1

**Rule Condition Template**

**Condition:** MARC Field Value ▼

Field: 300

Indicator 1: \* (\* = any value)

Indicator 2: \* (\* = any value)

Field Occurrence: ▼

Subfield: e

Subfield Occurrence: ▼

Operator: Contains ▼

**Value:** computer laser optical disc

Save Cancel

**Rule Consequence Template**

**Consequence:** Replace String With String ▼

Select field:

☐ Control Field ▼

☒ Field 300 Subfield: e

Replace string: computer laser optical disc

With string: CD-ROM

☐ Replace string is a regular expression

Save Cancel

# Replace String with String - 2

**Rule Condition Template**

**Condition:** MARC Field / Subfield Exists

**Field:**

Indicator 1:  (\* = any value)

Indicator 2:  (\* = any value)

Field Occurrence:

Subfield:

Subfield Occurrence:

**Rule Consequence Template**

**Consequence:** Replace String With String

Select field:

☐ Control Field

☒ Field  Subfield:

Replace string:

With string:

☐ Replace string is a regular expression

# Delete a Field: Condition

**Edit Rule**

Name:

Conditions: 

WHEN MARC is "590"
--------------------

Consequences: 

remove MARC."590"
CHANGED

Buttons: Add, Edit, Remove, Up, Down, Add, Edit, Remove, Up, Down, Ok, Cancel

**Rule Condition Template**

Condition:

Field:

Indicator 1:  (\* = any value)

Indicator 2:  (\* = any value)

Field Occurrence:

Subfield:

Subfield Occurrence:

Buttons: Save, Cancel

# Delete a Field: Consequence

The image shows two overlapping dialog boxes from a library cataloging application. The background dialog is titled "Edit Rule" and contains a "Name" field with the text "Delete 590". Below this are two list boxes: "Conditions:" containing "WHEN MARC is '590'" and "Consequences:" containing "remove MARC: '590'" and "CHANGED". To the right of these lists are buttons for "Add", "Edit", "Remove", "Up", and "Down". At the bottom are "Ok" and "Cancel" buttons. The foreground dialog is titled "Rule Consequence Template" and has a "Consequence:" dropdown menu set to "Remove MARC Field / Subfield". Below this are fields for "Field:" (containing "590") and "Subfields:" (empty). There is a checkbox labeled "Link to condition field" which is unchecked. At the bottom are "Save" and "Cancel" buttons.

**Edit Rule**

Name: Delete 590

Conditions: WHEN MARC is "590"

Consequences: remove MARC: "590"  
CHANGED

Buttons: Add, Edit, Remove, Up, Down, Ok, Cancel

**Rule Consequence Template**

Consequence: Remove MARC Field / Subfield

Field: 590 ☐ Link to condition field

Subfields:

Buttons: Save, Cancel

# Record Disposition

**Edit Rule**

Name: Delete 590

Conditions: WHEN MARC is "590"

Consequences: remove MARC: "590"  
CHANGED

Buttons: Add, Edit, Remove, Up, Down, Ok, Cancel

**Rule Consequence Template**

Consequence: Record Disposition

☒ Changed  
☐ Delete  
☐ Delete All  
☐ Suppress  
☐ Suppress All  
☐ Unsuppress  
☐ Unsuppress All  
☐ Error

Buttons: Save, Cancel

# Scan Rule Set

**Edit Rule**

Name:

Conditions:

Consequence: ☐ Include ☒ Exclude

**Rule Condition Template**

Condition:

Field:

Indicator 1:  (\* = any value)

Indicator 2:  (\* = any value)

Field Occurrence:

Subfield:

Subfield Occurrence:

Operator:

Value:

# Scan Rule Set Group

## Rules - Scan Rule Set Groups

Name	Description
BurneyCollection1	
scw PUL bibs lacking OCLC numbers test	
scw PUL not e-resource	

New

Edit

Delete

Name:

scw PUL bibs lacking OCLC numbers test

Description:

Last Modified:

5/5/2015

Modified By:

libscw

Rules:

Rule Sets In Group

scw 035 not containing (OCoLC)

scw 035 not containing ocm

scw 035 not containing ocn



# Thank you!

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