

Authority Conflict-Checking in RLIN21

Ed Glazier, RLG, PCC Operations,
April 2006

1

Authorities in RLIN21

- Part of RLG Migration to DB2 and RLIN21
- Implemented May 2005
- RLIN21 Web Searching-Authority files now available in an RLG Web interface
- RLIN21 Client Searching, Input/Update

Ed Glazier, RLG, PCC Operations,
April 2006

2

Authorities in RLIN21

Retained Search/Display Features

- Based on user feedback, decided to retain ability to see deleted and superseded versions of authority records in both LC/NACO and LC/SACO files
- Conflict checking and conflict reports to the Library of Congress being reimplemented (see below)

Ed Glazier, RLG, PCC Operations,
April 2006

3

Authorities in RLIN21

New Search/Display Features


- Browse or record display from Heading browse display
- Explicit see, see also, narrower term
- New Indexes

Ed Glazier, RLG, PCC Operations,
April 2006

4

Authorities in RLIN21

LC/NACO Heading Browse Display



Ed Glazier, RLG, PCC Operations,
April 2006

5

Authorities in RLIN21

Current record showing current form of name



Ed Glazier, RLG, PCC Operations,
April 2006

6

Authorities in RLIN21

Superseded record showing changed form of name

Record 1	Export	Print	Later Version	Earlier Version
ID:n 78087649	ST:p	MS:c	EL:n	Superseded record
VST:2005-10-28				
n 78087649				
005			20051027052615.0	
008			781120n?acannaab7.....7a.aaa.....	
010			Ian 78087649 Izn 79108896 Izh 85080806	
035			IaDCoL.Cjzdc0022932	
040			IaDLCzbtgDLcZbDLcZbNpZdDLcZdNICzdnPz40CoLzIdLc-OKzIdCUzIdSQ-SILzIdEN	
100	1	IaMao, Zedong,IId1893-1976		
400	1	IaErshba hua sheng,IId1893-1976		
400	0	IaEr shi ba hua sheng,IId1893-1976		
400	1	IaMao, Yongchi,IId1893-1976		
400	1	IaMao, Runzhi,IId1893-1976		
400	1	IaLi, Daisheng,IId1893-1976		
400	1	IaMao, Ce-tung,IId1893-1976		
400	1	IaMao, T S 'ze-dun,IId1893-1976		
400	1	IaMao, Tze-tung,IId1893-1976		
400	1	IaMao, Tsé Young,IId1893-1976		

Ed Glazier, RLG, PCC Operations,
April 2006

7

Authorities in RLIN21

Superseded record with earlier form of name

Record 1	Export	Print	Later Version	Earlier Version
ID:n 78087649	ST:p	MS:c	EL:n	Superseded record
VST:1997-06-18				
n 78087649				
005			19970618053200.6	
008			781120n?acannaab7.....7a.aaa.....	
010			Ian 78087649 Izn 79108896 Izh 85080806	
040			IaDL.CjzdcDLcZbDLcZbNpZdDLcZdNICzdnPz40CoLzIdLc-OKzIdCUzIdSQ-SILzIdEN	
100	10	IaMao, Tze-tung,IId1893-1976		
400	10	IaMao, Ce-tung,IId1893-1976		
400	10	IaMao, T S 'ze-dun,IId1893-1976		
400	10	IaMao, Tze-tung,IId1893-1976		
400	10	IaMao, Tsé Young,IId1893-1976		
400	10	IaMao, Zedong,IId1893-1976		
400	00	IaErshba hua sheng,IId1893-1976		
400	00	IaErh shih pa hua sheng,IId1893-1976		
400	10	IaMao, Tze-tung,IId1893-1976		
400	10	IaMo, Tsak-tong,IId1893-1976		
400	10	IaMo, Taku-tb,IId1893-1976		
400	10	IaMaw, Tai Tongh,IId1893-1976		

Ed Glazier, RLG, PCC Operations,
April 2006

8

Authorities in RLIN21

Portion of LC/SACO Browse showing See:, See also:, and Narrower term:

7	1	Natural garden design	
		See: Natural gardens--Design	Browse
8	2	Natural gardening	
		See: Natural landscaping	Browse
		See: Organic gardening	Browse
9	2	Natural gardens	
		See also: Natural landscaping	Browse
10	1	Natural gardens, American	
		See: Natural gardens--United States	Browse
11	1	Natural gardens--Design	
12	1	Natural gardens, English	
		See: Gardens, English	Browse
13	1	Natural gardens--United States	
14	5	Natural gas	
		Narrower term: Casinghead gas	Browse
		Narrower term: Compressed natural gas	Browse
		Narrower term: Furnaces--Conversion to natural gas	Browse
		Narrower term: Liquefied natural gas	Browse
15	1	Natural gas--Alaska	

Ed Glazier, RLG, PCC Operations,
April 2006

9

Authorities in RLIN21

LC/NACO Authority Home Page Searches

RLIN21TM LC/NACO Authority Preferences Database Help Feedback Exit

Heading Phrase
 Personal Name
 Corporate
 Title
 Pending Heading
 Record ID

LCCN
 Command Line

Ed Glazier, RLG, PCC Operations,
April 2006

10

Authorities in RLIN21

LC/NACO Authority File Indexes

Headings

- Heading phrase (also browsable)
- Heading word **NEW**
- Pending Heading phrase (also browsable-**NEW**)
- Pending Heading word **NEW**

Ed Glazier, RLG, PCC Operations,
April 2006

11

Authorities in RLIN21

LC/NACO Authority File Indexes

Names

- Fuller personal name (includes dates)
- Fuller personal name word **NEW**
- Corporate/conference phrase
- Corporate/conference word

Ed Glazier, RLG, PCC Operations,
April 2006

12

Authorities in RLIN21

LC/NACO Authority File Indexes

Titles

- **Title word**
- **Title phrase**

Subjects

- **Subject phrase**
- **Subject subdivision**

Authorities in RLIN21

LC/NACO Authority File Indexes

Standard numbers, etc.

- **LC and Dewey classification**
- **ISBN**
- **ISSN**
- **LCCN (includes cancelled LCCNs)**
- **Record ID**

Authorities in RLIN21

LC/SACO Authority Home Page Searches

RLG's RLIN21™ LC/SACO Authority Preferences Database Help Feedback Exit

Heading Phrase Subdivision Personal Name Corporate Title Record ID
 LCCN Command Line

Search Clear

Authorities in RLIN21

LC/SACO Authority File Indexes

Headings (no separate subject heading indexes)

- **Heading phrase (also browsable)**
- **Heading word **NEW****

Authorities in RLIN21

LC/SACO Authority File Indexes

Names

- **Fuller personal name (includes dates)**
- **Fuller personal name word **NEW****
- **Corporate/conference phrase**
- **Corporate/conference word**

Authorities in RLIN21

LC/SACO Authority File Indexes

Titles

- **Title word**
 - **Title phrase**
- #### **Subjects (see Heading phrase/Heading word)**
- **Subject subdivision**
 - **Form/genre**

Authorities in RLIN21

LC/SACO Authority File Indexes

Standard numbers, etc.

- LC and Dewey classification
- LCCN (includes cancelled LCCNs)
- Record ID

Authorities in RLIN21

INPUT/UPDATE (1)

- Supplied templates with default values for name and series authority records
- Templates can be customized by users and saved
- Content-designation validated on request or automatically on enter
- Help (F1) for all tags, indicator subfields, fixed field values

Authorities in RLIN21

INPUT/UPDATE (2)

- Validation includes edits and error messages for various intra-record conditions, e.g.,
If <f64X> present, THEN<f008><p016> must be a.
(If one of the series treatment fields is present, then the Heading use - series added entry must be coded “appropriate”)

Authorities in RLIN21

GENERATING AUTHORITY RECORDS FROM BIBLIOGRAPHIC RECORDS

- Any authorized NACO user can generate an authority record with default values supplied from a bibliographic record in the RLG Union Catalog, ESTC, or SCIOPIO
- With proper set-up, NACO user can also retrieve bibliographic record from own local system to use as source for authority record

Authorities in RLIN21

GENERATING AN AUTHORITY RECORD

1. Retrieve and display MARC version of desired bibliographic record (from local system, use record ID search)

Authorities in RLIN21

GENERATING AN AUTHORITY RECORD

Retrieved source bibliographic record

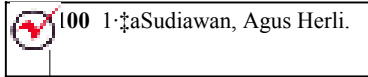
Generate authority record icon

Authorities in RLIN21

GENERATING AN AUTHORITY RECORD

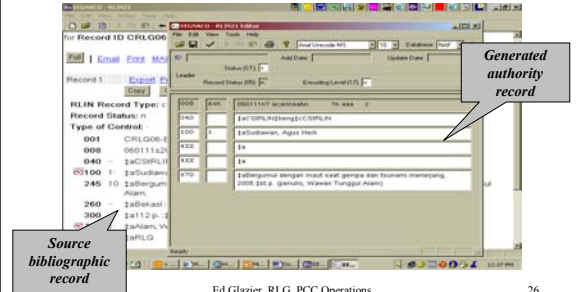
Any field that is preceded by the “generate authority record icon” is eligible for automated authority record creation. (Does not indicate whether or not an authority record already exists.)

2. Click icon to generate authority record:



Authorities in RLIN21

3. Generated authority record, ready for validation and entry



Authorities in RLIN21

CONFLICT CHECKING

- Previously available in RLIN TERMINAL FOR WINDOWS™
- Needed to be redeveloped for the new environment

Authorities in RLIN21

CONFLICT CHECKING

Conflicts are created:

1. When existing heading and incoming heading normalize to the same form using PCC normalization rules
2. Normalized headings compared based on Authority File Comparison Rules
<http://www.loc.gov/catdir/pcc/naco/normrule.html>

Authorities in RLIN21

Existing tag group	Incoming tag group	Type of conflict
1XX	1XX	Duplicate
1XX OR 5XX	4XX	Hdg/Ref
4XX	1XX or 5XX	Hdg/Ref
1XX	5XX	Form (display form)
5XX	1XX or 5XX	Form (display form)
4XX	4XX	No conflict

Authorities in RLIN21

DUPLICATES

For duplicate headings, there are two records where the 1XXs normalize to the same form; they may or may not have the same tag suffix, e.g.

Authorities in RLIN21

[Albania](#)

[Albania](#) [Browse](#) [Duplicate](#)

See also earlier heading: [Qeverija Demokratike e Shqiperise](#) [Browse](#)

010·:an 98005416

130·0:aAlbania

010·:an 83221467 :zsh 85003177

151·:aAlbania

Authorities in RLIN21

[Andrews, Kay](#)

[Andrews, Kay.](#) [Browse](#) [Duplicate](#)

010·:anr 92006176

10010:aAndrews, Kay

010·:an 85037088

10010:aAndrews, Kay.

Authorities in RLIN21

HEADING/REFERENCE CONFLICT

In a Heading/Reference conflict, a 4XX string normalizes to the same form as a 1XX or a 5XX string in the same or a different authority record.

Authorities in RLIN21

[Yang, Shizhao](#)

See: [Yang, Shizhao, 1950-](#) [Browse](#) [Hdg/Ref Conflict](#)

010·:an 97122690

1001:aYang, Shizhao

010·:an 80040083

1001:aYang, Shizhao,:d1950-

4001:wne:aYang, Shih-chao,:d1950-

4001:aYang, Shizhao

Authorities in RLIN21

FORM CONFLICT

In a form conflict, the headings normalize to the same form, but the display form (which includes diacritics, spacing, most tag suffixes [i.e., X10 vs. X11 vs. X30], and first indicator, differ.

Authorities in RLIN21

[Ramon, Juan](#)

Linked heading is 1XX

Ramón, Juan See also: [Ramon, Joan](#) [Browse](#) [Form differs](#)

010·:an 2005002353040

1001:aRamon, Juan

See also reference (5XX) shows variant form

010·:an 2002035373:zn 84158920

1001:aRamon, Joan

4001:aRamón, J.:q(Juan)

5001:aRamón, Juan

Authorities in RLIN21

Rare Earth Research Conference.

Rare Earth Research Conference *See also earlier heading:* [Conference on Rare Earth Research.](#) [Browse](#) [Form differs](#)

010:::an 80027718 :zn 80002504

11120:aRare Earth Research Conference.

010:::an 80026796

11120:aConference on Rare Earth Research.

41120:aRare Earth Research, Conference on

51010:wb:aRare Earth Research Conference

Authorities in RLIN21

Conflict marking of both LC/NACO and LC/SACO authority files, followed by daily conflict checking as each new distribution file is loaded (weekly for LC/SACO)