

Lookups

Lesson 9



"[The Great Hall of the Library of Congress – man standing in center, looking up, and woman seated on bench]." Library of Congress Prints and Photographs Division, accessed December 7, 2024, <https://www.loc.gov/pictures/item/2006683612/>

1

Learning Objectives

- To recognize how lookups allow data to be represented by URIs
- To differentiate between drop-down lists and lookups with query boxes
- To learn how to
 - Search for and select values from a controlled vocabulary
 - Add and delete fields
- To pick up some tips for using lookups

Design Principles for Linked Data

1. Use Uniform Resource Identifiers (URIs) as names for things.
2. Use HTTP URIs so that people can look up those names.
3. When someone looks up a URI, they should be provided with useful information that follows standards (e.g., RDF).
4. Include links to other URIs so people and computers can discover more useful things.



The screenshot shows the Library of Congress MARC editor interface. The 'Media type' field is highlighted with a red box. A red arrow points from this box to a text box containing the following text:

Lookups search an external authoritative source for structured data.

The interface includes a sidebar with categories like 'Work', 'Instance', and 'Media type'. The 'Media type' section shows 'unmediated' as the selected value. The main workspace displays MARC XML code and a preview of the data. A red box also highlights the 'changed' status in the Admin Metadata section.

Dropdowns



Dropdowns

BIBFRAME Work Elements

- Classification > Assigning agency
- Classification numbers > Used by assigning agency
- Color content
- Content type
- Contributors > Relationship designator
- Country of origin of the Work
- Creator of work > Relationship designator
- Form/Genre > Thesaurus
- Government publication
- Illustrative content

More BIBFRAME Work Elements

- Input transcribed series > Relationship
- Input transcribed series > Status
- Intended audience
- Language
- Language note
- Language resource
- Notes about the Work > Note type
- Script
- Search related Work > Relationship designator
- Search series Hub > Relationship
- Subjects > Thesaurus
- Supplementary content

BIBFRAME Instance Elements

- Carrier type
- Identifiers > Assigning agency
- Identifiers > Invalid/canceled
- Immediate source of acquisition note > Applicable institution
- Media type
- Mode of issuance
- Notes about the Instance > Note type
- Provision activity > Search place of publication



Dropdowns

- autonomous
- federal
- government
- international intergovernmental
- local
- multilocal
- multistate
- state

- Country of origin of the Work
- Creator of work > Relationship designator
- Form/Genre > Thesaurus
- Government publication
- Illustrative content

More ▾  

The Library of Congress > Linked Data Service > Government Publication Type

Search Government Publication Type List **GO**

Search In **Government Publication Type**

Government Publication Type

Value indicating that a resource is published or produced by or for an international, national, state, provincial, or local government agency, or by any subdivision of such a body.

- No
- Scheme Members
- See also
- Subject headings
- Supplementary content

URI(s): <http://id.loc.gov/vocabulary/mgovtpubtype>

Scheme Members

- See also
- Subject headings



Policy, Training, and Cooperative Programs Division

7

7

Marva [22252663]  Marva   

Menu Tools View Preferences Layouts    tsod (jr13)

Work

- Expression of [search for a Hub]
- Creator of Work
- Title information
- Contributors
- Notes about the Work
- Contents
- Summary
- [SH]: No Heading
- Geographic coverage
- Genre/Form
- Classification numbers
- Intended audience
- Content type
- Language (008 [1st], 041 \$a [others])
- Language resource (041 \$bdefgl)
- Language note (041 \$hijklmnpqr or 041 1#)
- Illustrative content
- Color content
- Supplementary content
- Government publication
- Input transcribed series
- Search series Hub (optional)
- Search related work
- Script
- Date of Work
- Country of origin of the Work
- (Time) coverage of the content
- Dissertation
- Add BIBFRAME Instance
- Admin Metadata

Instance

Carrier type

Carrier type

vol

volume (nc)

2.9.0 2.8.0

cam a22 i 4500
001 id1
003 DLC
005 20241212163939.0
007 t|
008 241212|||||||xx 000 0
758 \$4 http://id.loc.gov/ontologies/bibframe/instanceOf
758 \$1 http://id.loc.gov/resources/instances/e0009686
884 \$a DLC bibframe2marc v2.9.0 (libxslt) \$g 20241212163939.0
encoding="UTF-8">
marc="http://www.loc.gov/MARC21/slim">
space="preserve"> cam a22 i 4500
d xml:space="preserve" tag="001">id1</m
d xml:space="preserve" tag="003">DLC</m
d xml:space="preserve" tag="005">20241212163939.0</m
d xml:space="preserve" tag="007">t|</m
d xml:space="preserve" tag="008">241212163939.0</m
ag="758" ind1=" " ind2=" ">
code="4">http://id.loc.gov/ontologies/bibframe/instanceOf
code="1">http://id.loc.gov/resources/instances/e0009686
<marc:datfield tag="758" ind1=" " ind2=" ">
 <marc:subfield code="1">http://id.loc.gov/resources/instances/e0009686</marc:subfield>
<marc:datfield tag="884" ind1=" " ind2=" ">
 <marc:subfield code="a">DLC bibframe2marc v2.9.0 (libxslt) \$g 20241212163939.0</marc:subfield>
 <marc:subfield code="g">20241212163939.0</marc:subfield>
 <marc:subfield code="q">DLC</marc:subfield>
 <marc:subfield code="u">https://github.com/lcnetdev/bibframe2marc</marc:subfield>
</marc:datfield>
</marc:record>

8

4

The screenshot shows a comparison between two lists of terms. The left list, enclosed in a red box, is located in the 'Illustrative content' field of a 'Language note' (041 \$hjkkmnpqr or 041 \$t). The right list, also enclosed in a red box, is located in the 'charts (chr)' field of the same note. A large red arrow points from the left list to the right list, indicating a potential issue with the data.

Illustrative content

- charts (chr)
- coats of arms (coa)
- facsimiles (fac)
- forms (for)
- genealogical tables (gnt)
- illustrations (ill)
- maps (map)
- music (mus)
- phonodisc (pho)
- photographs (pht)
- plans (pln)
- plates (plt)
- portraits (por)
- samples (sam)

charts (chr)

- charts (chr)
- coats of arms (coa)
- facsimiles (fac)
- forms (for)
- genealogical tables (gnt)
- illustrations (ill)
- maps (map)
- music (mus)
- phonodisc (pho)
- photographs (pht)
- plans (pln)
- plates (plt)
- portraits (por)
- samples (sam)

9

The Library of Congress > Linked Data Service

ID.LOC.GOV - Linked Data Service

ID.LOC.GOV provides both interactive and machine access to commonly used ontologies, controlled vocabularies, and other lists for bibliographic description. To search everything, use the search box below. Or, select from the list below to learn more and search only in that vocabulary.

BIBFRAME

- BIBFRAME Works
- BIBFRAME Instances
- BIBFRAME Hubs

Cataloging

- Aspect Ratio
- Authentication Action
- Book Format
- Broadcast Standard
- Carriers
- Color Content
- Content types
- Description Conventions
- Sound Capture and Storage
- Encoding Format
- Encoding Level
- File Type
- Font Size
- Generation
- Government Publication Type
- Groove Width/Pitch/Cutting

Subjects, Thesauri, Classification

- LC Subject Headings (LCSH)
- LC Classification (LCC)
- LC Children's Subject Headings
- LC Medium of Performance Thesaurus for Music (LCPMT)
- LC Demographic Group Terms (LCDGT)
- Thesaurus for Graphic Materials (TGM)
- AFS Ethnographic Thesaurus
- Subject Schemes
- Classification Schemes

Ontologies

- BIBFRAME Ontology
- BIBFRAME LC Extension Ontology
- MADS/RDF Ontology
- PREMIS Ontology

Data Types

- Extended Date/Time Format Datatypes Scheme
- Code Datatypes
- Identifier Datatypes

Preservation Vocabularies

- Preservation Vocab (all)
- Actions Granted

10

Lookups



Policy, Training, and Cooperative Programs Division

11

11

Lookups

BIBFRAME Work Elements

- Contributors
- Creator of Work
- Dissertation > Institution
- Expression of
- Genre/Form
- Geographic coverage
- Search related Work
- Search series Hub
- Subjects

Authoritative Sources

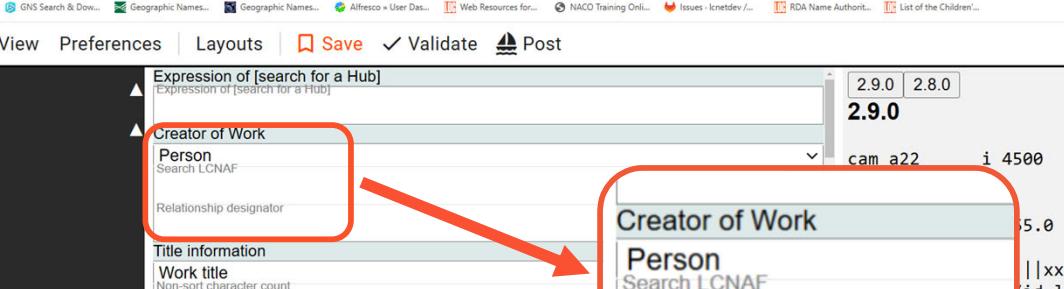
- Library of Congress Children's Subject Headings (CYAC)
- Library of Congress Genre/Form Terms (LCGFT)
- Library of Congress Name Authority File (LC NAF)
- Library of Congress Subject Headings (LCSH)



Policy, Training, and Cooperative Programs Division

12

12



Expression of [search for a Hub]
Expression of [search for a Hub]

Creator of Work

Person
Search LCNAF

Relationship designator

Title information

Work title
Non-sort character count
0

Preferred title for Work

Part number

Part name

Contributors

Person
Search LCNAF

Relationship designator

Notes about the Work

Note

Note type

2.9.0 2.8.0
2.9.0

cam a22 i 4500

Creator of Work
Person
Search LCNAF

Relationship designator

Search LCNAF

Search LCNAF

```
<?xml version="1.0" encoding="UTF-8"?>
<marc:record xmlns:marc="http://www.id.loc.gov/ontology">
  <marc:leader xml:space="preserve">
    <marc:controlfield tag="758" ind1="1" ind2="0">
      <marc:subfield code="4">http://www.id.loc.gov/resource/frame2marc/v2.9.0</marc:subfield>
      <marc:subfield code="1">http://www.id.loc.gov/ontology</marc:subfield>
    </marc:controlfield>
  </marc:leader>
</marc:record>
```

13

tsod (jr13)

NAF All NAF Personal Names NAF Corporate Name NAF Name/Title

NAF Title NAF Geographic NAF Conference Name NAF Auth Names

NAF Geo SubDiv Wikidata

Left Anchored Keyword

Page 1 of 7

willems, mo

willems, mo

Search

Willems, Mo
Willems, Mo, Gen da huo er shuo xie xie! (USE Willems, Mo. Thank you book
Willems, Mo, Wo de xin wan ju! (USE Willems, Mo. I love my new toy! Chinese
Willems, Mo, Wo jiu xi huan gan shui! (USE Willems, Mo. I really like slop! Chinese
Willems, Mo, Wo yao da ge dun er! (USE Willems, Mo. I will take a nap! Chinese
Willems, Mo. ¡Esperar no es facil! (USE Willems, Mo. Waiting Is Not Easy! Spanish
Willems, Mo. ¡Estamos en un libro! (USE Willems, Mo. We are in a book! Spanish
Willems, Mo. ¡Hoy volare! (USE Willems, Mo. Today I will fly! Spanish)
Willems, Mo. No dejes que la paloma conduzca el autobus! (USE Willems, Mo. Chinese
Willems, Mo. ?Debo compartir mi helado? (USE Willems, Mo. Should I share my ice cream? Chinese
Willems, Mo. "Zhe shi wo de," wei shen me yao fen gei ni? (USE Willems, Mo. Chinese
Willems, Mo. =パーティーによばれましたよ (USE Willems, Mo. I am invited to a party! Chinese
Willems, Mo. Aie! Ma trompe! (USE Willems, Mo. I broke my trunk! French)
Willems, Mo. An twaeyo, an twae! (USE Willems, Mo. That is not a good idea! Chinese
Willems, Mo. Ardillas ilimitadas (USE Willems, Mo. Unlimited squirrels. Spanish
Willems, Mo. Are you ready to play outside? Chinese

</marc:datafield>

14

The screenshot shows a search results page for the query "willems, mo". The results are displayed in a card-based format. The first card is for "Willems, Mo" and includes the following details:

- PersonalName** [view on id.loc.gov](#)
- Non-Latin Authoritative Labels:**
 - モー・ウィレムズ @ zxx-Jpan
- Variants:**
 - Mo Wiremuzu
 - モー・ウィレムズ
- LC Classification:**
 - PS3623.1555 (dlc)
 - PZ7.W65535 (dlc)
- Birth Place:**
 - Chicago (Ill.)
- Field of Activity:**
 - (lcsh) Children's literature
 - (lcsh) Illustration of books
- Occupation:**
 - (lcsh) Cartoonists
 - (lcsh) Animators
 - (lcsh) Authors

The search interface includes a "Left Anchored" button, a "Keyword" input field, and a "Page 1 of 7" navigation bar. The browser's address bar shows the URL "editor.id.loc.gov/bfe/quartz/edit/e0487194".

15

16

Marva Marva | nacfa98e507cb1b0d Marva

Menu Tools Work Instances

NAF All NAF Personal Names NAF Corporate Name NAF Name/Title

NAF Title NAF Geographic NAF Conference Name NAF Auth Names

NAF Geo SubDiv Wikidata

Left Anchored Keyword

Page 1 of 7

willems, mo

Search

Willems, Mo

Willems, Mo, Gen da huo er shuo xie xie! (USE Willems, Mo. Thank you book) Willems, Mo, Wo de xin wan jul (USE Willems, Mo. I love my new toy! Chinese) Willems, Mo, Wo jiu xi huan gan shui! (USE Willems, Mo. I really like slop! Chinese) Willems, Mo, Wo yao da ge dun er! (USE Willems, Mo. I will take a nap! Chinese) Willems, Mo, !Esperar no es facil! (USE Willems, Mo. Waiting Is Not Easy! Spanish) Willems, Mo, !Estamos en un libro! (USE Willems, Mo. We are in a book! Spanish) Willems, Mo, !Hoy volare! (USE Willems, Mo. Today I will fly! Spanish) Willems, Mo, !No dejes que la paloma conduzca el autobus! (USE Willems, Mo. No Debo compartir mi helado? (USE Willems, Mo. Should I share? Spanish) Willems, Mo, "Zhe shi wo de," wei shen me yao fen gei ni? (USE Willems, Mo. I am invitee) Willems, Mo, Aie! Ma trompe! (USE Willems, Mo. I broke my trunk! French) Willems, Mo, An twaeyo, an twae! (USE Willems, Mo. That is not a good idea! Korean) Willems, Mo, Ardillas ilimitadas (USE Willems, Mo. Unlimited squirrels. Spanish) Willems, Mo, Are you ready to play outside? Chinese

PersonalName
view on id.loc.gov

Non-Latin Authoritative Labels:

- モー・ウイレムズ @ zxx-Jpan

Variants:

- Mō Wiremuzu
- モー・ウイレムズ

LC Classification:

- PS3623.I555 (dlc)
- PZ7.W65535 (dlc)

Birth Place:

- Chicago (Ill.)

Field of Activity:

- (lcsh) Children's literature
- (lcsh) Illustration of books

Occupation:

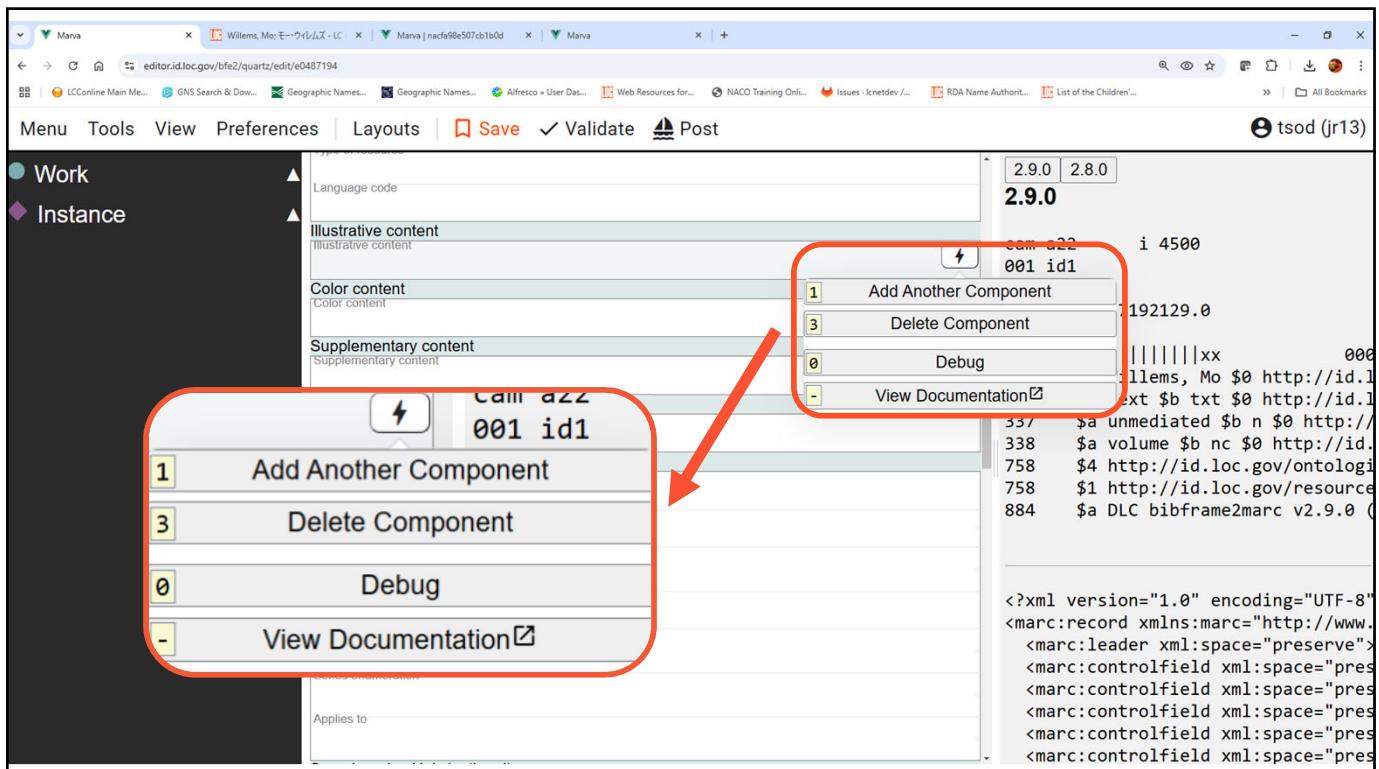
- (lcsh) Cartoonists
- (lcsh) Animators
- (lcsh) Authors

Add [Shift+Enter]
Cancel [ESC]

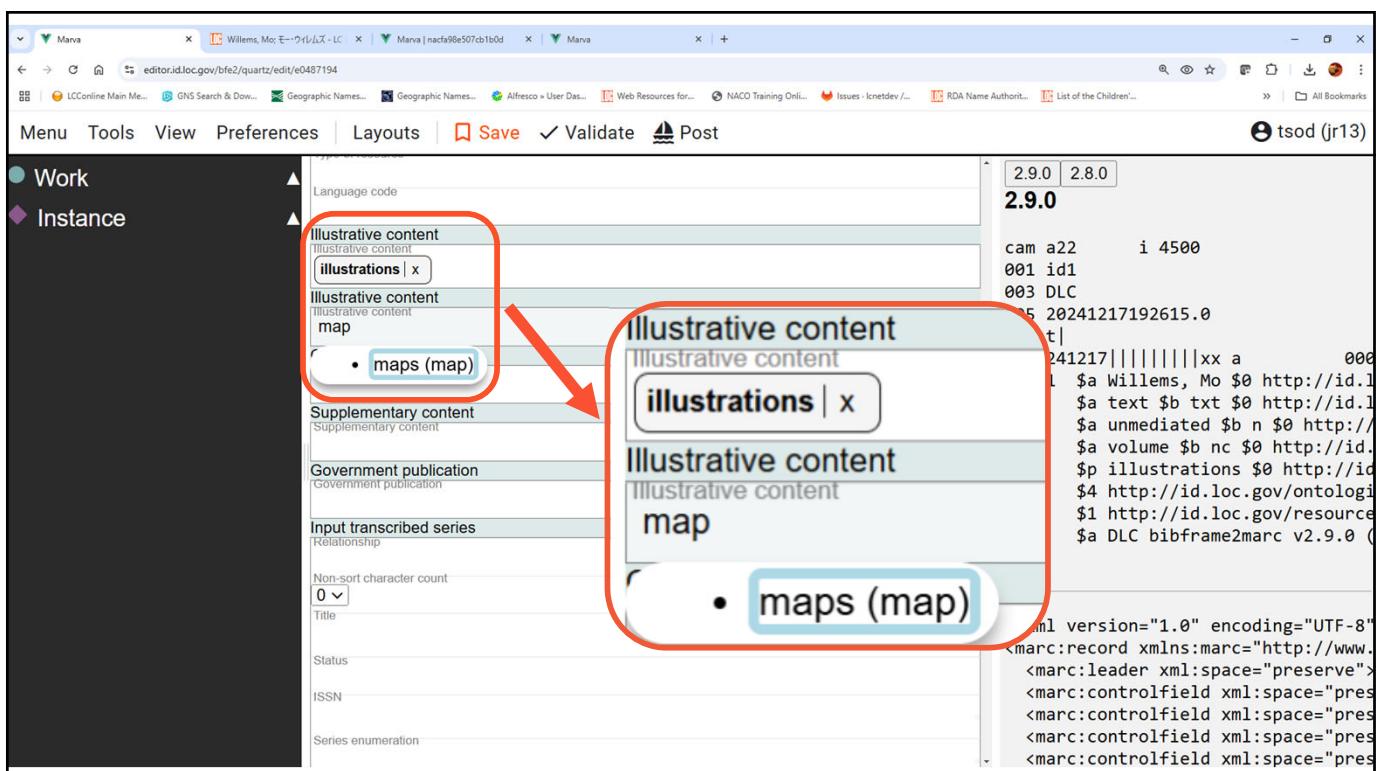
Shift + Enter

17

The Lightning Bolt Menu



19



20

10

Expression of [search for a Hub]

Creator of Work

Person

Relationship designator

author | x illustrator | x

Work title

Preferred title for W

Part number

Part name

Control Person Search

Notes Note

Note type

2.9.0 | 2.8.0

2.9.0

cam a22 i 4500
 001 id1
 003 DLC
 005 20241217193022.0
 007 t|
 008 241217||||||xx 000 0
 100 1 \$a Willems, Mo \$e author \$e illustrator \$4 http://id.loc.gov/vocabulary/
 336 \$a text \$b txt \$0 http://id.loc.gov/vocabulary/
 337 \$a unmed
 338 \$a volume
 340 \$p illus
 758 \$4 http://
 758 \$1 http://
 884 \$a DLC b

\$e author
 \$e illustrator

```
<?xml version="1.0" encoding="UTF-8"?>
<marc:record xmlns:marc="http://www.loc.gov/MARC21/slim">
  <marc:leader xml:space="preserve">cam a22
  <marc:controlfield xml:space="preserve" tag="001">id1
  <marc:controlfield xml:space="preserve" tag="003">DLC
  <marc:controlfield xml:space="preserve" tag="005">20241217193022.0
  <marc:controlfield xml:space="preserve" tag="007">t|  

  <marc:controlfield xml:space="preserve" tag="008">241217||||||xx 000 0
  <marc:controlfield xml:space="preserve" tag="100">1 $a Willems, Mo $e author $e illustrator $4 http://id.loc.gov/vocabulary/
  <marc:controlfield xml:space="preserve" tag="336">$a text $b txt $0 http://id.loc.gov/vocabulary/
  <marc:controlfield xml:space="preserve" tag="337">$a unmed
  <marc:controlfield xml:space="preserve" tag="338">$a volume
  <marc:controlfield xml:space="preserve" tag="340">$p illus
  <marc:controlfield xml:space="preserve" tag="758">$4 http://
  <marc:controlfield xml:space="preserve" tag="758">$1 http://
  <marc:controlfield xml:space="preserve" tag="884">$a DLC b
```

21

Immediate source of acquisition note

Applicable institution

Media type

Extent

007 t|
 008 241217

1 Add Another Component
 2 Insert Default Values
 3 Delete Component
 0 Debug
 - View Documentation

Projected publication date (YYMM)

2.9.0 | 2.8.0

2.9.0

cam a22 i 4500
 001 id1
 003 DLC
 005 20241217191146.0
 007 t|
 008 241217||||||xx 000 0
 1 Add Another Component : Willems, Mo \$0 http://id.loc.gov/vocabulary/
 2 Insert Default Values : http://id.loc.gov/resource/
 3 Delete Component : MARC bibframe2marc v2.9.0
 0 Debug : http://id.loc.gov/ontology/
 - View Documentation : http://id.loc.gov/ontology/
 <?xml version="1.0" encoding="UTF-8"?>
 <marc:record xmlns:marc="http://www.loc.gov/MARC21/slim">
 <marc:leader xml:space="preserve">cam a22
 <marc:controlfield xml:space="preserve" tag="001">id1
 <marc:controlfield xml:space="preserve" tag="003">DLC
 <marc:controlfield xml:space="preserve" tag="005">20241217191146.0
 <marc:controlfield xml:space="preserve" tag="007">t|
 <marc:controlfield xml:space="preserve" tag="008">241217||||||xx 000 0
 <marc:controlfield xml:space="preserve" tag="100">1 \$a Willems, Mo \$e author \$e illustrator \$4 http://id.loc.gov/vocabulary/
 <marc:controlfield xml:space="preserve" tag="336">\$a text \$b txt \$0 http://id.loc.gov/vocabulary/
 <marc:controlfield xml:space="preserve" tag="337">\$a unmed
 <marc:controlfield xml:space="preserve" tag="338">\$a volume
 <marc:controlfield xml:space="preserve" tag="340">\$p illus
 <marc:controlfield xml:space="preserve" tag="758">\$4 http://
 <marc:controlfield xml:space="preserve" tag="758">\$1 http://
 <marc:controlfield xml:space="preserve" tag="884">\$a DLC b

22

Marva | Willems, Mo: モー・ウェルムス - LC | Marva | nacfa98e507cb1b0d | Marva | tsod (jr13)

Menu Tools View Preferences | Layouts | **Save** ✓ Validate **Post**

Work

Instance

Immediate source of acquisition note

Applicable institution

Media type
Media type
unmediated | x

Extent

Note

Applies to

Dimensions

Carrier type

Volume | x

URL of Instance

Projected publication date (YYMM)

2.9.0 2.8.0
2.9.0

cam a22 i 4500
001 id1
003 DLC
005 20241217192129.0
007 t|
008 241217|||||||xx 000
100 1 \$a Willems, Mo \$0 http://id.loc.gov/resource/nacfa98e507cb1b0d
336 \$a text \$b txt \$0 http://id.loc.gov/resource/nacfa98e507cb1b0d
337 \$a unmediated \$b n \$0 http://id.loc.gov/resource/nacfa98e507cb1b0d
338 \$a volume \$b nc \$0 http://id.loc.gov/resource/nacfa98e507cb1b0d
758 \$4 http://id.loc.gov/ontology/resource_type
758 \$1 http://id.loc.gov/resource/nacfa98e507cb1b0d
884 \$a DLC bibframe2marc v2.9.0 (

<?xml version="1.0" encoding="UTF-8"?>
<marc:record xmlns:marc="http://www.loc.gov/MARC21/slim">
 <marc:leader xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 </marc:leader>
</marc:record>

23

Marva | Willems, Mo: モー・ウェルムス - LC | Marva | nacfa98e507cb1b0d | Marva | tsod (jr13)

Menu Tools View Preferences | Layouts | **Save** ✓ Validate **Post**

Work

Instance

Summary

Subjects

Subject components

Search LCSH/LCNAF

Thesaurus

001 101
003 DLC

1 Add Another Component
2 Insert Default Values
3 Delete Component
4 Make Primary Heading
0 Debug
- View Documentation

2.9.0 2.8.0
2.9.0

cam a22 i 4500
001 id1
003 DLC
005 20241217193022.0
007 t|
008 241217|||||||xx 000
100 1 \$a Willems, Mo \$e author \$e illustration \$0 http://id.loc.gov/resource/nacfa98e507cb1b0d
336 \$a text \$b txt \$0 http://id.loc.gov/resource/nacfa98e507cb1b0d
337 \$a unmediated \$b n \$0 http://id.loc.gov/resource/nacfa98e507cb1b0d
338 \$a volume \$b nc \$0 http://id.loc.gov/resource/nacfa98e507cb1b0d
758 \$4 http://id.loc.gov/ontology/resource_type
758 \$1 http://id.loc.gov/resource/nacfa98e507cb1b0d
884 \$a DLC bibframe2marc v2.9.0 (

<?xml version="1.0" encoding="UTF-8"?>
<marc:record xmlns:marc="http://www.loc.gov/MARC21/slim">
 <marc:leader xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 <marc:controlfield xml:space="preserve">
 </marc:leader>
</marc:record>

24

Tips for Using Lookups

- You may need to enter the entire string for the desired heading to appear in the list.
- Lookups are sometimes sensitive to case, punctuation, and spacing. You may need to capitalize and punctuate the data exactly as it appears in the controlled vocabulary.
- You may want to search id.loc.gov or ClassWeb Plus directly for a specific heading.



Policy, Training, and Cooperative Programs Division

25

25

Thank you for watching!

More information can be found at

<https://staff.loc.gov/sites/lstraining/bibframe-training-for-lc-staff/>



Policy, Training, and Cooperative Programs Division

26

26