

PCC Task Group on URIs in MARC: an update

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AUTHORITY CONTROL INTEREST GROUP
ALA MIDWINTER 2018

100 1_ |a Conrad, Joseph, |d 1857-1924, |e author.
 245 10 |a Heart of darkness / |c by Joseph Conrad.
 264 _1 |a Minneapolis, MN : |b First Avenue Editions, |c [2015]
 300 _ |a 107 pages , |c 22 cm
 336 _ |a text |2 rdacontent
 337 _ |a unmediated |2 rdamedia
 338 _ |a volume |2 rdacarrier
 650 _0 |a Europeans |z Africa |v Fiction.
 650 _0 |a Trading posts |v Fiction.
 650 _0 |a Degeneration |v Fiction.
 650 _0 |a Imperialism |v Fiction.
 651 _0 |a Africa |v Fiction.
 655 _0 |a Psychological fiction.

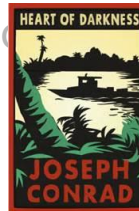


Joseph Conrad

<http://isni.org/isni/0000000121023400>

Is author of

<http://www.rdaregistry.info/Elements/a/P50195>



Heart of Darkness

<http://viaf.org/viaf/182831945>

Goals of the URIs in MARC Task Force

- ❖ Create a migration path from MARC to linked data
 - MARC infrastructure will not be going away soon
 - not everyone will move away at the same time
- ❖ Consistency of implementation of URIs in MARC fields/subfields
 - \$0 use becoming much more common
 - implementation can be inconsistent since we lack best practices
- ❖ Open up the possibility of using other vocabularies (e.g., ISNI) and entity registries
- ❖ **Not...**
 - to make MARC a perfect carrier for linked data

Why now?

- ❖ Focus on metadata models and services that are linked-data-oriented
 - RDA
 - Faceted vocabularies (MeSH, FAST, LCGFT, LCDGT)
 - Aggregators (ISNI, VIAF, Casalini, others)
- ❖ System functionality
 - New generation of ILS's
 - Limitations of string-based authority control
 - Authorities as a cross-platform requirement

Objectives & Stakeholders

- ❖ Support conversion of MARC data into linked data (LD4L/P, LC, OCLC Research)
- ❖ Build & encourage adoption of tools and services for linked data reconciliation (OCLC, LD4L/P, Terry Reese, Gary Strawn, Backstage)
- ❖ Promote use of linked data vocabularies (NLM, ISNI, PCC)
- ❖ Enhance MARC capabilities (BL, DNB)
- ❖ Develop best practices for use of linked data in MARC (PCC)
- ❖ Raise community awareness, guide vendor efforts (Libraries)

Areas of Work this year

❖ Structural MARC issues

- \$4 for relationships
- \$0/\$1 for authorities vs real world objects
- 758 for work entities

❖ Documentation

- [Formulating URIs paper](#)
- [FAQ](#)
- RWO Paper
- MARC Object specifications

❖ Engagement with Service Providers

- OCLC
- MARCedit (Terry Reese)
- Casalini Libri
- ELUNA LOD SIWG (Ex Libris)
- Backstage Library Works

❖ Best practices for URIs in Authorities

❖ [Task group Year 2 report to PCC](#)

URLs via MARCEdit

=LDR 01497cam a2200349Mi 4500
=008 151125s1990\\xxk\\g\b\\001\0\eng\d
=020 \\\$a9780333268230
=245 00\$aConrad :\$bHeart of Darkness, Nostromo & Under Western Eyes : a casebook /\$ced. C.B. Cox.
=260 \\\$aBasingstoke ;\$aLondon :\$bMacmillan,\$c1990.
=300 \\\$a224 s. ;\$c22 cm.
=600 17\$aConrad, Joseph\$d(1857-1924).\$tHeart of darkness.\$2jhp\$k\$1<http://viaf.org/viaf/182831945>
=600 17\$aConrad, Joseph\$d(1857-1924).\$tNostromo.\$2jhp\$k\$1<http://viaf.org/viaf/180914282>
=600 17\$aConrad, Joseph\$d(1857-1924).\$tUnder Western eyes.\$2jhp\$k\$1<http://viaf.org/viaf/315381843>
=700 1\$aCox, Brian,\$d(1928-2008)\$1<http://viaf.org/viaf/244007668>
=710 2\$aMacmillan Company.\$4pbl\$1<http://viaf.org/viaf/146646454>
=758 \\\$1<http://worldcat.org/entity/work/id/806896805>

URIs via Backstage Library Works

100	1	a Charpentier, Marc-Antoine, d 1643-1704, e composer. 0 http://id.loc.gov/authorities/names/n79135306 = ^A138570
245	1	3 a La descente d'Orphee aux enfers / c Marc-Antoine Charpentier.
264	1	a Arles : b Harmonia Mundi, c [2017]
264	4	c ©2017
300		a 1 audio disc (54:42) : b CD audio, stereo ;
306		a 005442
336		a performed music b prm 2 rdacontent
337		a audio b s 2 rdamedia
338		a audio disc b sd 2 rdacarrier
340		a plastic a metal b 4 3/4 in.
344		a digital b optical g stereo 2 rda
347		a audio file 2 rda
347		b CD audio
383		c H. 488 d Hitchcock 2 mlati
500		a Opera in 2 acts.
546		a Sung in French.
500		a Title from disc label.
500		a Libretto by an unknown author, probably after Ovid's Metamorphoses, Book X.
500		a Edition recorded: Édition des Abbesses, Collection "Les Arts Flossants," edited by Sébastien Daucé and Fannie Varnaz.
511	0	a Ensemble Correspondances ; Sébastien Daucé, conductor, organ.
518		o Recorded d 2016 January p Grenoble, MC2.
500		a Duration: 54:42.
500		a Program notes by Thomas Leconte in French with English and German translations, and libretto with English and German translations (43 pages) inserted in container.

511	0	a Ensemble Correspondances ; Sébastien Daucé, conductor, organ.
518	o	Recorded d 2016 January p Grenoble, MC2.
500	a	Duration: 54:42.
500	a	Program notes by Thomas Leconte in French with English and German translations, and libretto with English and German translations (43 pages) inserted in container.
600	0	0 a Orpheus c (Greek mythological character) v Drama. = ^A3248762
600	0	7 a Orpheus c (Greek mythological character) 2 fast 0 (OCoLC)fst01048449 0 http://id.worldcat.org/fast/1048449
650	0	a Operas. 0 http://id.loc.gov/authorities/subjects/sh85094914 = ^A1045267
650	7	a Operas. 2 fast 0 (OCoLC)fst01046191 0 http://id.worldcat.org/fast/1046191
655	7	a Operas. 2 fast 0 (OCoLC)fst01726688 0 http://id.worldcat.org/fast/1726688 = ^A3299848
655	7	a Drama. 2 fast 0 (OCoLC)fst01423879 0 http://id.worldcat.org/fast/1423879 = ^A3314274
655	7	a Operas. 2 lcgft 0 http://id.loc.gov/authorities/genref/gf2014026976 = ^A3299848
700	0	i Opera adaptation of (work): a Ovid, d 43 B.C.-17 A.D. or 18 A.D. t Metamorphoses, n Liber 10. 0 http://id.loc.gov/authorities/names/no2014159899 ? UNAUTHORIZED
700	1	a Daucé, Sébastien, e conductor, e instrumentalist. 0 http://id.loc.gov/authorities/names/n2006092024 = ^A1964791
710	2	a Ensemble Correspondances, e performer. 0 http://id.loc.gov/authorities/names/no2010186436 = ^A2660478

URIs for Relationships—Agents to Works



100 1# Charpentier, Marc-Antoine, \$d 1643-1704, \$e composer.

100 1# Charpentier, Marc-Antoine, \$d 1643-1704, \$0 <http://id.loc.gov/authorities/names/n79135306>
\$e composer. \$4 <http://id.loc.gov/vocabulary/relators/cmp>

Relationships in MARC—Between resources

100 1# \$a Wilson, August.

245 10 \$a Three plays / **\$c** August Wilson.

505 0# \$a Ma Rainey's black bottom -- Fences -- Joe Turner's come and gone.

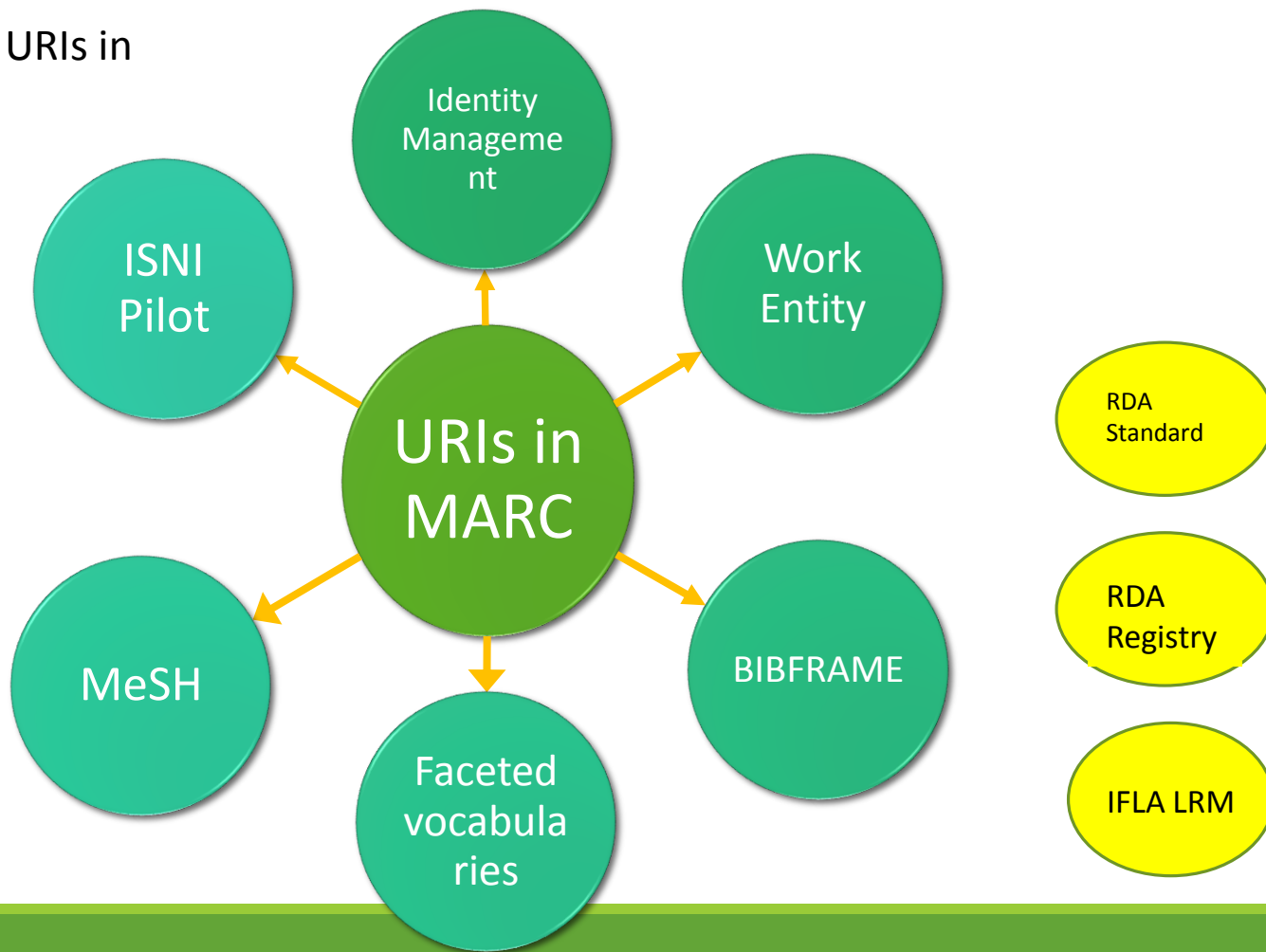
700 12 \$a Wilson, August. **\$t** Fences.



700 12 \$i **Is container of (work):** **\$a** Wilson, August. **\$t** Fences.

700 12 \$4 <http://rdaregistry.info/Elements/w/P10147> **\$i** **Is container of (work):** **\$a** Wilson, August. **\$t** Fences. **\$1** <http://viaf.org/viaf/198566585>

Work Related to the URIs in MARC Task Force



Related efforts

LCGFT

655 #7 \$a Academic theses \$0 <http://id.loc.gov/authorities/genreForms/gf2014026039> \$2 lcgft

LCDGT

386 ## \$a Librarians \$0 <http://id.loc.gov/authorities/demographicTerms/dg2015060192> \$2 lcdgt

MeSH

650 12 \$a Critical Care \$0 <https://id.nlm.nih.gov/mesh/D003422>

ISNI

100 1# \$a Zulfarda, M. D. \$1 <http://isni.org/isni/0000009121191991>

Work entity

758 ## \$1 <http://worldcat.org/entity/work/id/806896805>

URIs in Authority Records

Recommendation:

- ❖ Permit use of subfields \$0, \$1, and \$4 in LC/NACO authority records in fields in which they are valid
 - Requires revision/updating of *The LC Guidelines Supplement to the MARC 21 Format for Authority Data*

374 ## \$a Disc jockeys \$0 <http://id.loc.gov/authorities/demographicTerms/dg2016060452> \$2 lcdgt

380 ## \$a Crunk (Music) \$0 <http://id.loc.gov/authorities/genreForms/gf2014026746> \$2 lcgft

URIs in Authority Records—Current

- ❖ For some fields URIs can already be added in \$0 (e.g., 034 and 043)

043 ## \$a e-gx--- \$0 <http://id.loc.gov/vocabulary/geographicAreas/e-gx>

- ❖ \$0 already validates in OCLC in some fields where the *LC Guidelines Supplement* says not to use it or to “Consult LC’s Cooperative Programs Section before using”

100 1# \$a Leão, Ricardo

500 1# \$i Real identity: \$a Martins, Ricardo André Ferreira \$0

<http://id.loc.gov/authorities/names/n2015210032> \$w r

URIs in Authority Records—Potential

- ❖ Permit URIs in \$4 of 4XX fields if relationship designators are developed for variant name relationships

Hypothetical example:

100 1# \$a Clinton, Hillary Rodham

400 1# \$4 [URI for relationship] \$i Name before marriage: \$a Rodham, Hillary Diane \$w r

Example from GND (German Authority File)

100 1# \$4 <http://d-nb.info/standards/elementset/gnd#abbreviatedNameForTheCorporateBody> \$i
Abkuerzung \$a DNB

URIs in Authority Records: 024 Best Practices

024 field **Other Standard Identifier** as a test case

MARC Authority Format 024 Other Standard Identifier does not define subfields \$0, \$1, and \$4 as valid subfield values, but does define subfield \$2, Source of number or code

You may have seen identifiers recorded in the 024 field of NACO authority records:

024	7		14998796 #2 viaf
024	7		0000000115989147 #2 isni

024	7		0000000118661438 #2 isni
024	7		0000000251185004 #2 orcid
024	7		169863765 #2 viaf
024	7		15749868900 #2 scopus

URIs in Authority Records: 024 Best Practices

DCM Z1, 024

024 Other Standard Identifier

General

LC/PCC catalogers are encouraged to add standard identifiers in [field 024](#) if these are readily available.

When adding the 024 set [indicator 1 to 7](#) and add a [subfield \\$2](#) with the appropriate [Standard Identifier Source Code](#) for the identifier.

Input the number in the structure as determined by the agency formulating it.

Example:

```
024 7# $a 8462832856536435 $2 isni  
[number may display as: 8462 8328 5653 6435]
```

Maintenance

LC/PCC catalogers are not required to maintain identifiers coded in the [024 field](#) of NACO authority records. When an [024](#) identifier (e.g., ISNI, ORCID) is present in a personal name record that is being reported for deletion (for example, in the case of a duplicate), LC/PCC catalogers should transfer the identifier to the record that is to be retained. When two personal name authority records are being collapsed into one, and each record has its own identifier, LC/PCC catalogers should include both identifiers (in separate [024 fields](#)) in the updated record.

URIs in Authority Records: 024 Best Practices

Although the addition of standard identifiers in the 024 field of NACO authority records is encouraged, existing documentation and examples only show the addition of the identifiers themselves, not a machine-actionable form of the identifier.

Compare this:

024	7		0000000118661438 #2 isni
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With this:

024	7		http://isni.org/isni/0000000118661438 #2 uri
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What is the NACO Best Practice?

URIs in Authority Records: 024 Best Practices

Proposed assertions under consideration:

- ❖ “The PCC URI Task Group supports the use of actionable URI’s in the MARC Authority Format 024 (Other Standard Identifier) field.”
- ❖ “When both an identifier and an actionable URI for the same entity are available, the PCC URI Task Group recommends recording both, in separate 024 fields.”

024 #7 Q235699 \$2 wikidata

024 #7 <http://www.wikidata.org/entity/Q235699> \$2 uri

024 #7 113230702 \$2 viaf

024 #7 <http://viaf.org/viaf/113230702> \$2 uri

Areas of work still needed

- ❖ Assessment of related activities and impact
 - Survey
- ❖ Policies and best practices
 - Guidelines for providing URIs
 - Authority data
 - Recommended vocabularies
- ❖ Data flow issues
 - Engagement with vendors
- ❖ Training
- ❖ Handoffs

Recommendations

- ❖ Develop implementation plan for \$0, \$1, and \$4 in bibliographic records
- ❖ Develop best practices and related training material.
- ❖ Permit use of \$0, \$1, and \$4 in NACO authority records.
- ❖ Develop plan for ongoing maintenance of Task Group outputs.
- ❖ Develop a process to evaluate and endorse vocabularies for PCC use.
- ❖ Include URIs when implementing PCC-endorsed vocabularies, e.g. ISNI and LCGFT.
- ❖ Clarify protocols for PCC MARC discussion papers and proposals.
- ❖ Identify issues that arise in related PCC efforts, such as specifications for converting MARC to linked data, and coordinating the work of the relevant groups.

Who are we?

Members

- Jackie Shieh (George Washington University, chair 2015-17)
- Ian Bigelow (University of Alberta)
- Robert Bremer (OCLC)
- Chew Chiat Naun (PCC Standing Committee on Standards, chair 2017-18)
- Michelle Durocher (PCC Policy Committee representative)
- Nancy Fallgren (NLM)
- Steven Folsom (Cornell University)
- Paul Frank (Library of Congress)
- Jean Godby (OCLC Research)
- Les Hawkins (CONSER representative)

Consultants

- John Chapman (OCLC)
- Galen Charlton (Evergreen)
- Corine Deliot (British Library, ISNI specialist)
- Reinhold Heuvelmann (German National Library)
- Nancy Lorimer (Stanford, LD4P)
- Terry Reese (Ohio State, MarcEdit)
- Adam Schiff (University of Washington)
- Gary Strawn (PCC Standing Committee on Automation)
- Nate Trail (Library of Congress, NDMSO)
- Melanie Wacker (Columbia, MODS)
- Thurstan Young (British Library, Marc Advisory Committee)
- Lihong Zhu (Washington State, IGeLU LOD group)

Questions, comments?

❖ PCC URI TG web site:

<https://www.loc.gov/aba/pcc/bibframe/TaskGroups/URI-TaskGroup.html>

❖ PCC URI TG year 2 report:

<https://docs.google.com/document/d/1i4nQOeQUmEGIXfevh2ck--xTWmOI07k2uPsGtdJn9g8/edit#heading=h.qt59p03z9qe0>

❖ FAQ

<http://www.loc.gov/aba/pcc/bibframe/TaskGroups/URI%20FAQs.pdf>

❖ Formulating/Obtaining URIs document

http://www.loc.gov/aba/pcc/bibframe/TaskGroups/formulate_obtain_URI_guide.pdf