

Maintaining the OpenURL Registry : What do I need to know?



OpenURL 1.0 NISO Z39.88

- Approved NISO standard April 2005.
- Defines an architecture for creating OpenURL framework applications.
- The OpenURL registry is maintained by the OpenURL Maintenance Agency.
- The registry contains all instances of core components created by communities that have deployed OpenURL Framework Applications.



The NISO OpenURL Registry And You: What do I need to know?



The OpenURL Framework describes:

What you want services about, the *referent*,
in the *context* of:
who you are, the *requester*,
where you are when you request services, the *referrer*,
along with the source of the referent, the *referring entity*,
why you are making the request, the *servicetype*,
and *what* will be providing the services, the *resolver*.

This is the ContextObject framework in a nutshell. The OpenURL framework does *not* describe how services are rendered.



The NISO OpenURL Registry And You: What do I need to know?



The ContextObject

- The “information package”
- At the heart of the standard
- Describes a referenced item and the context within which it is being referenced
- Allows independence from transport method
- Formalizes expression of context

From Oliver Pesch presentation:
http://www.niso.org/news/events/niso/past/MS-2003_workshop/PeschOpenURL.ppt



The NISO OpenURL Registry And You: What do I need to know?



The NISO OpenURL Registry

- The NISO OpenURL registry resides at <http://openurl.info/registry> and is maintained by the maintenance agency.
- For each ContextObject the following must be registered:
 - Character Encodings (one or more) [UTF-8](#), [Latin-1](#), etc.
 - Serializations (one) [KEV](#), [XML](#)
 - Constraint Languages (one) [MTX](#), [XML schema](#)
 - ContextObject Formats (one) [KEV](#), [XML](#)



The NISO OpenURL Registry And You: What do I need to know?



The NISO OpenURL Registry

- For each entity (referent, requester, referrer, etc.) the following may be registered:
 - Namespaces (zero or more) [info:lcnn:](#), [urn:ISBN:](#), [.ldap:](#), etc.
 - Metadata Formats (zero or more) [book](#), [journal](#), etc.
- For transporting ContextObject Representations:
 - Transports (one or more) [by-reference](#), [by-value](#), [inline](#) (all [HTTP](#) or [HTTPS](#))
- For each OpenURL application:
 - Community Profiles (one) [SAP1](#), [SAP2](#)



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Community Profiles - A Community Profile defines the core characteristics of an Application as a list of Registry entries.

This list contains Registry entries for:

- One ContextObject, with at least one entity, the referent.
- Format, serialization, constraint language, and character encodings.
- zero or more metadata formats,
- zero or more namespaces to describe identifiers,
- and one or more transports to specify how ContextObjects are transported.



NISO

Registry for the OpenURL Framework - ANSI/NISO Z39.88-2004

Repository Identification | Registry Entries | Submittal Process | Implementation Guidelines | NISO OpenURL Version 0.1 | Community Profile XML Format | Notes

Components of OpenURL Framework

Namespaces
 Character Encodings
 Serializations
 Constraint Languages
 Context Object Formats
 Metadata Formats
 Transports
 Community Profiles




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Registry for the OpenURL Framework - ANSI/NISO Z39.88-2004

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Core:Community Profiles

Info:ofi/pro:dccp-2004	Deprecated	Dublin Core Community Profile 2004
Info:ofi/pro:dcsp	Deprecated	Dublin Core Community Profile
Info:ofi/pro:rtm-2007		Request Transfer Message Community Profile 2007
Info:ofi/pro:rtm-200908		Request Transfer Message Community Profile 200908
Info:ofi/pro:sap1-2004		San Antonio Level 1 Community Profile 2004
Info:ofi/pro:sap1	Deprecated	San Antonio Level 1 Community Profile
Info:ofi/pro:sap2-2004		San Antonio Level 2 Community Profile 2004
Info:ofi/pro:sap2	Deprecated	San Antonio Level 2 Community Profile




The NISO OpenURL Registry And You:
What do I need to know?

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The Request Transfer Message Community Profile.

- Was approved in November 2009.
- According to the creator Janifer Gatenby:
The OpenURL Request Transfer Message (RTM) will be used to direct requests for loan, copy, access to lookup, or digitization of an item. It is intended to be used for directing requests to Resource Delivery Systems and / or Electronic Resolver Systems.



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The Request Transfer Message Community Profile.

The RTM submittal included one community profile:
<http://www.openurl.info/registry/dc/info:ofi/pro:rtm-200908>

Three internal XML metadata formats :
http://www.openurl.info/registry/dc/info:ofi/fmt:xml:xsd:rtm_req-200908
http://www.openurl.info/registry/dc/info:ofi/fmt:xml:xsd:rtm_rft-200908
http://www.openurl.info/registry/dc/info:ofi/fmt:xml:xsd:rtm_svc-200908

and four external XML metadata formats:
<http://www.openurl.info/registry/dc/info:ofi/fmt:xml:xsd:iso20775>
<http://www.openurl.info/registry/dc/info:ofi/fmt:xml:xsd:iso25577>
<http://www.openurl.info/registry/dc/info:ofi/fmt:xml:xsd:mods>
<http://www.openurl.info/registry/dc/info:ofi/fmt:xml:xsd:onix>




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The NISO OpenURL Maintenance Agency

- Was awarded to OCLC in 2006.
- Maintains the NISO OpenURL Registry.
- Maintains Implementation Guidelines.
- Maintains the openurl@oclc.org public listserv.
- Supports educational and promotional activities
- Guided by a standing Advisory Committee.
- Supports a permanent review panel.




The NISO OpenURL Registry And You:
How do I create a registry entry?

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Start with an idea or existing application that needs standardization

- Start with an idea that fits the OpenURL framework.
- Use the extensibility of the framework.
- Example idea: an application that returns information about libraries, hours of operation, calendar, etc.



The NISO OpenURL Registry And You: How do I create a registry entry?



Engage members of the community

- Subject matter experts
- Information and service providers
- Institutions, Libraries, etc.
- Special interest groups, NISO standards groups, etc.
- Technologists who can help you with creation of the registry entries.
- Discuss your idea on appropriate listservs including the OpenURL listserv.



The NISO OpenURL Registry And You: How do I create a registry entry?



Develop the registry entries

- Gain commitment from your community to follow through.
- Develop accompanying non-normative documentation.
- Use existing external standards where possible. Don't reinvent the wheel.
- Develop the registry entries weighing alternatives for serializations, transport methods, character encodings, etc.
- Continue to engage the community throughout the process.
- Start discussions with the OpenURL Maintenance Agency.



The NISO OpenURL Registry And You: How do I create a registry entry?



Submit the registry entries

- Rules for submittal can be viewed at:
<http://alcm.e.oclc.org/openurl/docs/pdf/SubmittalProcess.pdf>
- Contact for new submittals/questions: openurlagency@oclc.org.
- The MA supports the use of the OpenURL beyond the scholarly community.
- Register new namespaces with the info uri scheme at <http://info-uri.info/registry>



The NISO OpenURL Registry And You: How do I create a registry entry?



Submit the registry entries including:

- Submitter's name, organizational affiliation, and contact information
- A non-normative overview of the request.
- The proposed normative registry entries.
- Contact info for community members who will continue to engage in the review process.



The NISO OpenURL Registry And You: What is the investment?



There are three gates for this lightweight process:

- Gate 1 – Maintenance Agency Review
- Gate 2 – Review Panel Review:
- Gate 3 – Public Review and Trial Period:



The NISO OpenURL Registry And You: What is the investment?



Gate 1 – Maintenance Agency Review:

- Review for technical correctness of the submittal
- Conducted by the Maintenance Agency.
- This review should take 1-4 weeks.
- The submitter will be notified about the outcome of the review.
- Successful submittals will automatically enter the next gate.



The NISO OpenURL Registry And You: What is the investment?



Gate 2 – Review Panel Review:

- Review by the Review Panel and community members specified by the submitter.
- This review is expected to take from 1-2 months.
- The submitter will be notified about the outcome of the review.
- Successful submittals will automatically enter the next gate.



The NISO OpenURL Registry And You: What is the investment?



Gate 3 – Public Review and Trial Period:

- The public review and trial period combined.
- Reviews will take from thirty days to six months.
- The submitter will be notified about the outcome of the reviews.
- The review panel including the submitting community will determine final disposition.
- Results will be posted to the OpenURL listserv.



The NISO OpenURL Registry And You



The OpenURL Maintenance Agency:

Don Hamparian	Product Manager
Jeff Young	Architect and Registry development.
Kathleen Quinton	Project Manager
Phil Norman	Manager, Policies and Operations.

Contact us at openurlagency@oclc.org



The NISO OpenURL Registry And You



You can extend the OpenURL framework!

