



O M G Interoperability Summit Orlando, FL

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ANSI Metadata Usage

- Managing 250,000+ metadata records from 600+ SDOs with alerting function and PDF document delivery
 - NSSN (www.nssn.org)
 - ESS (Electronic Standards Store): webstore.ansi.org.
 - *Standards Action*: Public review notice for standards in development.
 - *ANSI-ISO XML exchange*
- Promoting metadata standardization as early as possible in the standards development cycle



Approach

- Simplicity: as few elements as possible to encourage ease of adoption
- Flexibility: account for the metadata needs of majority of SDOs
- Leverage existing metadata standards, including:

Dublin Core v1.1

ISO ISONET

OASIS DocBook

ANSI NSSN

Diffuse.org

NIST Standards Roadmap



Metadata Standard v2.5 Overview

- **16 elements**
 - As much as possible, Names, Identifiers, and Definitions harmonized with Dublin Core Metadata Element Set v1.1.
- **10 attributes per element**
 - Same attributes as Dublin Core v1.1, partially based on ISO 11179-3
 - 7 vary by element, 3 common to all

Elements Defined

- **Designation:** Identifier for the standard.
Scheme specific to SDO. Ex. ISO 9000-1:2000
- **Title (DC):** Name by which the standard is known.
- **Description (DC):** Account of the content. May include abstract, T of C, or other free text account.
- **Identifier (DC):** Reference to standard using formal scheme, such as URL, DOI, or ISBN.



Elements Defined (cont'd)

- **Name of Standards Developing Organization (SDO):** Organization primarily responsible for developing content. Name and Acronym. Allow for multiple.
- **SDO Committee:** Committee name (and SC and WG, if applicable)
- **SDO Information:** SDO contact info, usually expressed as URL to web source for info.
- **Subject (DC):** Topic of the content, expressed as keywords or defined classification scheme codes.



Elements Defined (cont'd)

- **Current Status:** ...of development. 5 defined stages:
 - Project Initiation: no draft available
 - Draft Available: draft available for comment
 - Preliminary Approval: any approval prior to final
 - Final Approval
 - Published: available for distribution
- **Date of Most Recent Action:** Date that standard achieved Current Status.

Elements Defined (cont'd)

- **Referenced standards:** Normative references in the standard.
- **Replaces:** Standard(s) most recently replaced by this standard.
- **Related resources:** Other informative (non-normative) related resources, such as endorsements/adoptions, regulations, etc.
- **Format (DC):** Physical or digital manifestation. Choose from defined scheme, such as MIME.



Elements Defined (cont'd)

- **Language (DC):** Language of the content. Use both ISO 639 for language code and ISO 3166 for country code. Ex. “en-uk” for English used in United Kingdom. Allow for multi-language.
- **Rights Management (DC):** Rights information and/or statement, including IPR, Copyright, or other Property Rights.

Attributes (DC v1.1)

- Name
- Identifier
- Definition
- Comment
- Datatype
- Obligation
- Maximum occurrence
- Version, Registration Authority, Language (common to all elements)

Some outstanding issues

- Treatment of archival records and potential need for “Withdrawn” status and “Is Replaced By” element.
- Refine obligation attribute to ensure quality search.
- Refine occurrence attribute to ensure maximum coverage
- Refine use of Language...require English for metadata?

Next Steps

- Continue to refine metadata semantics and data representation; achieve next level of detail in best practices/usage guidance.
- XML implementation
- Leverage formal organization resources: Ex. ISO/IEC ITSIG and ANSI Organization Member Council (SDOs).
- Continue to expand participation and technical expertise
- Pilot at ANSI and elsewhere



For more information..

www.oasis-open.org/stdsreg

for detailed spec draft, committee charter, mail list
archive

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