

Federal
Geographic
Data
Committee

Metadata Working Group

Quarterly Telecon
September 26, 2012

Vers. 20120926

Agenda

- ISO Metadata Standards Update
- FGDC MWG Charter Revision
- Metadata Core Curriculum Update
- ISO Metadata Editor Review
- News from the Field

ISO Metadata Standards Update

From ESRI Metadata Special Interest Group Meeting
July 25, 2012

ISO Metadata standards in work

Geographic Information - Metadata – Fundamentals

- ISO 19115-1 - Base Standard
 - in revision to address 5 year review comments
- ISO 19115-3 –XML implementation of base standard
 - new work item

Geographic Information – Metadata - Extension for Imagery and Gridded Data

- ISO 19139-2 – XML implementation of extension
 - new work item, almost finished

Related Standards:

- ISO 19110 Methodology for Feature Cataloguing
 - regularly scheduled 5 year review
- ISO 19157 Data quality (incorporates 19113/19114/19138)
 - new work item - UML model for Quality moved from ISO 19115

Schedule

- **ISO 19115-1**
 - Draft International Standard (DIS) 2011-12
 - Final Draft International Standard (FDIS) 2012-12
 - International Standard (IS) 2013-06
- **ISO 19115-3 XML schema implementation of metadata fundamentals**
 - Committee Draft (CD) 2013-07
 - DIS 2013-11
 - FDIS 2014-11
 - IS 2015-05
- **ISO 19139-2 XML schema for imagery and gridded data**
 - Technical Specification (TS) 2012-10
- **ISO 19110 Methodology for feature cataloguing**
 - CD 2013-07
 - FDIS 2014-07
 - IS 2015-01
- **ISO 19157 Data Quality**
 - FDIS 2012-10
 - IS 2013-04

Metadata Working Group Charter Revision

Discussion about Revising MWG Charter

Updating Charter Content

- Last Charter approved in 2006
- Focused mainly on the CSDGM
- Things to consider changing
 - Remove “Ad Hoc”
 - Include ISO references
 - Editorial changes
- Refer to more recent Charters for ideas
- Other thoughts?

<http://www.fgdc.gov/participation/working-groups-subcommittees/mwg/charter>

Charter Revision Process

- Send document to MWG with new content using track changes (October 2012)
- MWG members provide comments (November 2012)
- Comments incorporated and final document presented at next MWG meeting for approval (December 2012/January 2013)
- Submitted to FGDC Coordination Group for review and approval (February 2013)

Metadata Core Curriculum Update

Discuss changes and updates to document

Metadata Core Curriculum

- Intended to provide *guidance* in developing training materials
- Includes learning objectives and schedule recommendations
- Updated to include ISO content

Core Curriculum		Workshop Duration				
Training Topics		1· Hour	½· Day	1· Day	1·½· Days	2+· Days
ISO Content	What is Metadata?	☑	☑	☑	☑	☑
	Value of Metadata	☑	☑	☑	☑	☑
	National Spatial Data Infrastructure	☑	☑	☑	☑	☑
	Framework or NGDA Themes & Standards	☑	☑	☑	☑	☑
	Quality Metadata	☑	☐	☐	☐	☐
	•→ Essential Metadata review	☒	☑	☒	☒	☒
	•→ Metadata Quick Guide review	☒	☒	☑	☑	☑
	Geospatial Metadata Standards	☑	☐	☐	☐	☐
	•→ NSDI Standards	☒	☐	☐	☐	☐
	•→ Selecting a Standard	☒	☒	☐	☐	☐
	ISO Geospatial Metadata	☒	☑	☐	☐	☐
	•→ What's New with ISO Metadata?	☒	☒	●	●	●
	•→ ISO Metadata Standard Overview	☒	☒	●	●	●
	•→ ISO Metadata Organization, Structure and Presentation	☒	☒	●	●	●
	•→ Transforming CSDGM Metadata to ISO	☒	☒	☐	●	●
	•→ ISO Metadata Transition: Strategies and Workflows	☒	☒	☐	●	●

CSDGM-Standard	XX	XX	XX	XX	XX
•→ Graphic-Representation	XX	XX	XX	XX	XX
•→ Sections-of-the-CSDGM	XX	XX	XX	XX	XX
•→ Using-the- <u>Greenbook</u>	XX	XX	XX	XX	XX
•→ Detailed-Review	XX	XX	XX	XX	XX
Metadata-Tools	XX	XX	XX	XX	XX
Metadata-Creation-via-simple-forms-&-exercises	XX	XX	XX	XX	XX
Metadata-Creation-via-software-application	XX	XX	XX	XX	XX
•→ Template-or-Select-Sections	XX	XX	XX	XX	XX
•→ Full-Record	XX	XX	XX	XX	XX
Metadata-Validation	XX	XX	XX	XX	XX
Metadata-Publication	XX	XX	XX	XX	XX
•→ geo.data.gov	XX	XX	XX	XX	XX
•→ other	XX	XX	XX	XX	XX
Optional Modules	XX				
Making-Metadata-Part-of-the-Process	XX	XX	XX	XX	XX
Feature-level-Metadata	XX	XX	XX	XX	XX
Creating-Functional-Templates	XX	XX	XX	XX	XX
Metadata-Quality-Assessment-and-Metrics	XX	XX	XX	XX	XX

Learning Objectives

ISO Geospatial Metadata

- discuss efforts to transition from CSDGM to ISO metadata
- explain what is meant by the ISO 'suite' of geospatial metadata standards
- differentiate among ISO metadata standards

What's New with ISO Metadata?

- discuss the value of UML to illustrate the relationships among metadata classes and elements
- outline the benefits of role codes
- identify new sections, elements and domains
- explore the use of hierarchical metadata

Learning Objectives

ISO Metadata Standard Overview

- identify and describe the content of the primary ISO metadata classes
- locate domains and best practices for specific elements using the ISO data dictionary
- determine when an element is mandatory, optional or conditional
- identify the appropriate affiliate standard(s) to use to document specific data content

Learning Objectives

ISO Metadata Organization, Structure and Presentation

- interpret ISO UML diagrams using a reference document
- locate specific metadata content within the XML metadata record
- apply a stylesheet (XSL) to an XML metadata record

Transforming the CSDGM Metadata Record to ISO

- transform a CSDGM XML metadata record to ISO XML using an application or XSL transform
- review and edit the transformed record for compliance
- utilize XML attributes to make non-conformant content compliant in the ISO record

Learning Objectives

ISO Metadata Transition: Strategies and Workflows

- select an ISO transition strategy appropriate for their organization
- outline key workflow steps to initiate and integrate the use of ISO metadata

ISO Metadata Editor Review

Discuss plan for updating content

ISO Metadata Editor Review Planned Activities

- Explore development of web-based data entry

**MWG
Members
Needed!**

**Volunteer for:
subcommittee
or activity**

**Contact
Lwayne@fgdc.gov**

- Update review form to include current standards & new capabilities
- Outreach to existing & new Editor developers
- Collect information & coordinate edits with developers
- Enlist & coordinate User Review participants

News from the Field

Announcements from
Metadata Working Group Members

Next MWG Meeting: December 2012/January 2013

Comments and Ideas:

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