



6

FGDC Metadata Working Group

### NSDI Stakeholder

Upcoming Metadata Training

HI Geographic Info Coordinating Council / NOAA Pacific Services Center  
April 11 & 12: 4 hour Intro to Metadata Workshop, Honolulu

HI Geographic Info Coordinating Council / NOAA Pacific Services Center  
April 13-15: 3 day Metadata Train the Trainer Workshop, Honolulu

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March 12, 2011 slide 4 of 21

6: NSDI Stakeholder Metadata Training

- Kathy Martinolich (NCDDC) presented information about Intro and Train the Trainer Metadata training being provided by NOAA (NCDDC and NOS) and sponsored by the HI GIS Council and NOAA Pacific Data Center.

7

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### ISO/NAP Activities and Status

- ISO 19115 – 5 Year Review Underway

Now called:  
**ISO 19115-1 Metadata - Fundamentals**

- ISO 19115:2003 Metadata
- ISO 19119:2005 Services and extensions for service metadata model (Part)

data quality lineage →

- ISO 19157 Data Quality (New)

March 12, 2011 slide 7 of 21

7: ISO / NAP Status

Dave Danko (Esri/INCITS L-1) provided a status update on ISO 19115 and NAP metadata standards

- renamed to ISO 19115-1 Metadata – Fundamentals
- merges 19115 vers. 2003 and 19119: 2005 – metadata for services
- removes most Data Quality content to new standard (ISO 19157) except DQ-lineage elements will remain.

8

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### Other changes

- Fully backward compatible
  - No new mandatory
  - <<Deprecated>> elements remain until next revision
  - All new elements stereotyped as <<new>>
- Feature catalog included (physically or by link)
- Many new elements added (online linkage in Citation, Reference system type code attribute added to reference system identifier)
- Responsible party restructured to enable reuse for different roles

March 12, 2011 slide 8 of 21

8: Backward compatible to 2003, therefore

- no new mandatory elements can be introduced
- removed/moved elements stereotyped (tagged) as <<deprecated>>
- new elements stereotyped as <<new>>

8: Other ISO 19115-1 changes

- Feature catalog (Entity/Attributes) fully incorporated as detailed description or link to external description (feature catalog record).
- New elements include Online Linkage for Citation
- Responsible party restructured to allow multiple Role Codes (originator, publishers, etc.) for same contact

9

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### ISO 19115-1 review participation

Committee Draft released: 2011-01-24  
Comments due to ISO TC 211: 2011-04-21  
Comments due to INCITS-L1: 2011-04-01

FGDC – Comments due: 2011-03-25  
Draft standard available: INCITS-L1 FGDC.rep  
Comment form: INCITS-L1 FGDC.rep  
Adjudicated WD comments: INCITS-L1 FGDC.rep

OGC - Comments due OGC: 2011-03-31  
Posted OGC Pending Documents: 11-022  
Ted Habermann collecting comments use comment form:  
[http://portal.opengeospatial.org/index.php?m=project\\_s&a=view&project\\_id=52&tab=2](http://portal.opengeospatial.org/index.php?m=project_s&a=view&project_id=52&tab=2)

March 12, 2011 slide 9 of 21

9: Review schedule for ISO 19115-1

- FDGC Comments due 3.25
- OGC Comments due 3.31

10: Revision schedule for 19115-1

- Draft International Standard (DIS) 2011-11
- Final Draft (FDIS) 2012-11
- International Standard (DIS) 2013-05

10

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### ISO Revision schedules:

- ISO 19115-1 Metadata - Fundamentals
  - Editing committee meeting in Delft: 2011-05-23-27
  - DIS 2011-11
  - FDIS 2012-11
  - IS 2013-05
- ISO 19157 Data Quality
  - CD 2010-7
  - DIS 2011-06
  - FDIS 2012-06
  - IS 2013-01

March 12, 2011 slide 10 of 21

**11**

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### NAP ISO 19115 and 19110

- NAP ISO 19115 Metadata
  - Once ISO 19115-1 revision has reached DIS work will start to update the document
- NAP ISO 19110 Feature Catalog
  - Work is on hold until work on next version of NAP 19115 is started

March 12, 2011 slide 11 of 21

**12**

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### ISO/NAP

#### NOAA/MO Schematron Updates

- The schematron validates for NAP constraints beyond ISO 19139 (xml)
- NOAA NCDDC and MO Dept. of Administration are collaborating to:
  - improve schema workflow
  - improve the error messages that are being returned

March 12, 2011 slide 12 of 21

**13**

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### ISO/NAP

#### Training Materials

NOAA CDDC has developed materials to support transition from CSDGM to ISO 19115

- core curriculum
- lesson plans
- presentation modules
- exercises and handouts
- training evaluations
- workbooks (for education and use in conjunction with the formal standard)

Contact Jaci Mize for access or information  
[Jacqueline.Mize@noaa.gov](mailto:Jacqueline.Mize@noaa.gov)

March 12, 2011 slide 13 of 21

**11: North American Profile (NAP) status**

- On hold until ISO 19115-1 at DIS stage
- Will incorporate all 19115-1 structural and content changes including Feature Catalog

**12: NAP schematron Updates**

presented by Jaci Mize (NOAA NCDDC)

- Schematrons incorporate NAP requirements and best practices that go beyond 19115
- Requires 19139 (xml of 19115) validation first then NAP schematron processing
- Collaboration between NCDDC and State of MO

**13: NOAA NCDDC ISO/NAP Training Materials**

presented by Jaci Mize (NOAA NCDDC)

- has coordinated with FGDC, NBII and other NOAA units to develop suite of materials
- contact Jaci Mize to request access to the materials online repository

**Discussion:**

- Need a new model for learning  
 Ted Habermann (NOAA NGDC) suggested that the materials developed build upon the outdated CSDGM Workbook approach (static material, linear curriculum) and that we need a new model for learning
- Need to teach UML  
 Habermann also suggested that we are doing a disservice if we do not incorporate training about UML and present ISO/NAP using UML.
  - Dave Danko agreed saying we should not 'fear the UML'
  - Jaci Mize (NOAA NCDDC) suggested that there were different audiences to support. Those that were actively developing metadata applications and resources and needed to work directly with the ISO 19115 UML and those that simply needed an effective data document method and want a simple, consistent transition from CSDGM.
- Copyright issues associated with the use of the ISO UML diagrams  
 Mize asked what copyright issues might be raised by using ISO UML diagrams.
  - Habermann felt that the 'Fair Use Doctrine' provided for free use of the diagrams and that use of a copyright symbol would suffice.



- Danko reminded that ISO and NAP require new information that should be collected right now.
- Do we make the change to ISO or NAP?
  - Mize suggested that we adopt NAP once it is aligned with ISO 19115-1 and perhaps the best approach is to profile ISO 19115-1 as NAP by simply adding the NAP best practices to ISO 19115-1 content.
  - Habermann stated that standards will always been on shifting ground and we need to learn to better roll with change. He added that the current NAP dropped too much info including:
    - ability to extend the standard
    - usage information to document new applications of the data
  - Schweitzer stated that there should not be any transition until we can successfully transform a CSDGM record to ISO and back again successfully, too much info is lost using the current transforms. In addition he would like to see better presentations (stylesheets) of ISO metadata.
  - Anna Milan (NOAA – NGDC) stated she was working on the stylesheets and has some options that we can review.

Given the time constraints of the telecon, participants were asked to give additional thought to the topic and the remaining questions:

- What can we/FGDC do to encourage transition?
- What are the barriers & incentives?
- Need a new model for learning

GeoMaxim suggested that a dedicated telecon be set up to further discuss the topic. Several participants agreed and suggested that the MWG should hold topic-related calls outside of the quarterly calls.

18

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News for the Field

NOAA / Esri Geoportal Adaptations

- NOAA:
  - National Ocean Service (NOS)
  - National Coastal Data Development Center (NCDDC)
  - National Oceanographic Data Center (NODC)
  - Collaborated with Esri to ensure Geoportal support for:
    - CSDGM
    - CSDGM Biological, Shoreline Profiles and Remote Sensing Extensions
    - ISO 19139
- Esri will make the revised code and documentation available to the public via the Source Forge

March 12, 2011 slide 18 of 21

- 18: News from the Field:**  
**NOAA Esri Geoportal Adaptations**  
 Kathy Martinolich (NCDDC) presented information about NOAA efforts to improve Geoportal support of CSDGM and ISO metadata
- Include CSDGM profiles and extensions
  - Use CSDGM and ISO published schemas vs. Esri adaptations
  - Make the source code for the adaptations publicly available

19

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News for the Field

National Park Service Arc 10.1+ Assessment

- NPS Metadata Tools and Editor (a.k.a. MTE):
  - Develop pros/cons of existing metadata tools
  - Determine needs for a new NPS metadata tool
  - Provide recommendations/options to NPS GIS Council
- Outcomes:
  - Arc10 metadata SOPs
  - Metadata Survey
  - Recommendations to ESRI
  - Collaboration with other DOI agencies on Arc 10 Tools?

March 12, 2011 slide 19 of 21

- 19: News from the Field:**  
**NPS Arc 10.1+ Assessment**  
 Chris Dietrich (NPS) presented information about efforts to assess Arc 10.1+ and determine the need and potential to develop NPS metadata editor add on.

20

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News for the Field

Voyager: GIS Data Discovery

- Linda Zellmer forwarded the following link from the another list and a review from a librarian in Toronto:
 

Voyager GIS is a catalogue builder and search tool for your geospatial data. It can be installed on a server, on an intranet, or just on your desktop. It makes managing your GIS data an amazingly fun task. No need to write any metadata if you do not want to. Of course if you do, the catalogue is even better, but voyager takes what is available and makes a visual index of all holdings in the paths you specify for it to catalogue. It even creates a basemap and allows you to search by location...Really fun tool.

<http://voyagergis.com/>
- Give it a spin and reply to the email list with your experience and insights

March 12, 2011 slide 20 of 21

- 20: News from the Field:**  
**Voyager: GIS Data Discovery**  
 Linda Zellmer (UW - Madison) provided a link to the Voyager: geospatial data catalog and search utility that does not require metadata but does benefit from it. Participants were asked to check out the free download and report back to the group with their experiences.

The meeting was adjourned at 3:05 PM.