FGDC Standards Program

Presented by
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To ISO Standards in Action Workshop
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Topics

- Policies guiding FGDC standards program
- FGDC Participation in Non-Federal Standards Bodies
- Recent FGDC standards activities
- Update of Chapter 10 of SDI Cookbook
Policies guiding FGDC standards program

- OMB Circular A-16 and supplemental guidance call for development of standards for NSDI data themes
- OMB Circular A-119
  - Directs Federal agencies to use “voluntary consensus standards” in lieu of government-unique standards whenever possible
  - Directs Federal agencies to participate in voluntary consensus standards bodies
Policies guiding FGDC Standards Program

**FGDC Policy on Recognition of Non-Federally Authored Geographic Information Standards and Specifications**

- Although Circulars A-16 and A-119 direct the use of non-Federally developed standards, they do not define a mechanism for the identification, selection, and coordinated implementation of non-Federally developed standards.

- The FGDC Policy enables a fast track to FGDC endorsement of external standards, as standards have already been vetted through a rigorous standards development process.
Recent FGDC standards activities

In 2010, the FGDC endorsed 64 Non-Federally Authored Geospatial Standards, in support of the Geospatial Platform.

Standards included:

- *De facto* standards
- Standards developed through voluntary consensus standards bodies such as ANSI, ISO, and OGC.

The steps toward FGDC endorsement were in accordance with the FGDC Policy on Recognition of Non-Federally Authored Geographic Information Standards and Specifications.

FGDC recently endorsed the following standards:

- FGDC Wetlands Classification Standard, Edition 2
- Time Space Position Information (TSPI) Version 2.0 standard
- OGC® WaterML 2.0: Part 1- Timeseries Encoding Standard
- ISO 19156:2011, Geographic information - Observations & Measurements

Pending FGDC endorsement:

- Web Feature Service 2.0
- U.S. Government Real Property Asset Data Standard
Recent FGDC standards activities, continued

Upcoming

- Proposals to endorse:
  - GeoRSS Simple, GeoRSS GML
  - Aeronautical Information Exchange Model (AIXM) 5.1
- Proposal to withdraw Spatial Data Transfer Standard (SDTS)

Update of standards tracking spreadsheet: covers around 150 FGDC, ANSI/INCITS, ISO, OGC, and other standards
Update of Chapter 10 of SDI Cookbook

Chapter 10: Standards Suites for Spatial Data Infrastructure,
http://www.gsdidocs.org/GSDIWiki/index.php/Chapter_10

Topics
- SDI standards baseline
- Request for input
Update of Chapter 10 of SDI Cookbook

From Table 2: SDI standards baseline, http://www.gsdidocs.org/GSDIWiki/index.php/Chapter_10#Table_2: SDI_standards_baseline

SDI Core Standards
- OGC Web Map Service 1.3
- OGC Web Feature Service 2.0/ISO 19142:2010
- OGC Filter Encoding 1.1
- OGC Web Coverage Service 1.1.2
- OGC Geography Markup Language 3.2.1
- OGC Catalogue Service 2.0.2 HTTP protocol binding (CS-W)
- OGC Catalogue Service 2.0.2 HTTP protocol binding (CS-W)
- ebRIM and ISO Profiles
- OGC KML 2.2
- OGC WPS 1.0 + corrigenda
- GeoRSS-Simple, GeoRSS GML

SDI supplemental standards
- OGC Styled Layer Descriptor 1.1
- OGC Web Map Context 1.1/Corrigendum 1

Future SDI standards
- OGC Web Coverage Service 2.0, corrigenda, and KVP, XML/POST, XML/SOAP, and GeoTIFF extensions
- OGC GML 3.3
- OGC Filter Encoding 2.0
Update of Chapter 10 of SDI Cookbook

- Request for review and comment: updates, additions, deletions, etc.
- Request for input from regional/national bodies to build table showing which standards in the SDI baseline that they use.
Questions & Answers/Discussion
Contact

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