



# Federal Geographic Data Committee Standards Update August 2011

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Some information might be carried over from the June 2011 standards update.

Progress on standards projects is being tracked in a spreadsheet, provided as a read-ahead. Updates on standards projects will be provided monthly. This read-ahead provides information about standardization activities that cannot readily be documented in the standards tracking spreadsheet.

## FGDC

- Please refer to the standards tracking spreadsheet for progress on select FGDC standards activities.

## INCITS Technical Committee L1, Geographic information systems

- The ISO/TC 211 Secretariat issued an invitation to submit a New Work Item Proposal for a stage 0 project on management system standards. INCITS subsequently issued a request for L1 vote tally and proposal: L1 vote closes August 12.
- The ISO/TC 211 Secretariat issued a call for comments on the report and recommendations from the ad hoc group on strategy for configuration management and backwards compatibility (<http://www.isotc211.org/protdoc/211n3165/>). INCITS subsequently issued a request for L1 vote tally and comments. L1 had no comments.
- The ISO/TC 211 Secretariat issued a request for members to inform the Secretariat of their intention to be represented at the 33rd plenary meeting of ISO/TC 211, Pretoria, South Africa, 2011-11-17/18 and the approximate number of their delegates (<http://www.isotc211.org/opendoc/211n3178/>) by August 17. A list of delegates should be forwarded to the ISO/TC 211 Secretariat by October 17. INCITS subsequently forwarded the notice to L1. It also issued a request for an L1 vote to approve delegates to the meeting.
- The issue of encoding formats for imagery and gridded data needs to be resolved. Related standards are: Geo enabled JPEG 2000, (and GMLJP2), GeoTIFF, HDF 5, HDF-EOS, Net CDF, ISO 12087-5 BIFF, (NTIF, STANAG 4545), Geo enabled PDF (ISO/IEC 32000 + ? metadata), Geo enabled PNG (ISO/IEC 15948:2003 + XML metadata), ISO 8211 (ADRG, ...), and RPF (DGIWG DIGEST based). Several of the standards are FGDC-endorsed standards and are also cited in the DISR. The U.S. had insufficient resources to support this project. China said that it might take this project on and introduce an NWIP.
- ISO/TC 211 issued voting results on a new work item proposal for Ubiquitous public access - Reference model (<http://www.isotc211.org/protdoc/211n3166/>). The project was approved for addition to the ISO/TC 211 program of work. The project will develop a conceptual framework to deal with "how geographically explicit context information can be

extracted from varied information sources (such as lexical information, photos, voices, and more), how a multitude of open geographic data produced and distributed by the general public can be semantically linked to meet the user's contextual requests, and how heterogeneous types of geographic information can be seamlessly accessed, and integrated, and provided to a user regardless of the kind of device the user operates." While INCITS L1 voted NO on the new work item proposal, as the Stage 0 study project is not complete, U.S. comments were not included in document 211n3166.

- L1 approved conceptual details for adding more curve types to SQL/MM, which have been approved by INCITS Technical Committee DM32 on Data Management and Interchange and Working Group 4, SQL Multimedia & Application, of ISO/IEC Subcommittee 32, Data management and interchange. Fourteen detailed change proposals necessary to complete this work were released for review. An INCITS/L1 e-ballot will be issued for approving the proposals.
- The revision of ISO 19115, Geographic information – Geomatics will necessitate revision of other standards. The read-ahead MetadataSIG2011.pdf provides information about the revision of ISO 19115 and its impact on other standards.
- The ISO/TC 211 Program Management Group has identified potential future projects – see <http://www.isotc211.org/pmg/programme.htm>. Member bodies will be asked to volunteer New Work Item Proposals.

Contact Julie Maitra, FGDC representative to INCITS L1, [jmaitra@fgdc.gov](mailto:jmaitra@fgdc.gov), (703) 648-4627 or your agency representative to INCITS L1. INCITS L1 Chair: Liping Di, Ph.D, [ldi@gmu.edu](mailto:ldi@gmu.edu).

### Open Geospatial Consortium

- The next OGC Technical Committee/Planning Committee meeting is scheduled for September 19-23 in Boulder, Colorado. There are several summits and workshops scheduled in conjunction with the TC/PC meetings:
  - An Oceans/Meteorology/Hydrology Water Cycle Summit is scheduled for September 21, 2011. For more information, see <http://www.opengeospatial.org/pressroom/pressreleases/1430>.
  - A 3D Summit focused on the current impact and future opportunities for open standards to better enable 3D geospatial practices will be held Tuesday, September 20, 2011. For more information, see <http://www.opengeospatial.org/event/11093dim>.
  - The GEOSS Workshop XLIII: Sharing Climate Information and Knowledge, which is focused on issues, tools, and techniques to improve interdisciplinary discovery and use of climate data, records and modeling results, will be held Friday, September 23, 2011. For more information, see <http://www.opengeospatial.org/pressroom/pressreleases/1439>.
- A workshop on GML 4.0 is scheduled for September 19, 2011.

- OGC completed a Water Information Concept Development Study of the application of OGC Web Services standards in the domain of water information, specifically to investigate architectures and practices for cataloguing, discovering, and accessing selected water resources data from very large numbers of distributed datasets. The intended audience is US federal, state and local agencies as well as international organizations and agencies and universities and research organizations that collect water data and need to make the data broadly available. The audience also includes data consumers who need to discover access and integrate data from multiple sources in studies related to hydrological science and water resources management. For more information, see <http://www.opengeospatial.org/pressroom/pressreleases/1441>.
- Refer to the standards tracking spreadsheet for calls for review and comments on other OGC standards.
- Subscribe to OGC news feeds and the OGC newsletter for current information about OGC activities.

Contact your OGC representative for more information.

#### Geospatial-Intelligence Standards Working Group (GWG)

- A teleconference with GWG Focus Group members is scheduled for August 9. The teleconference has two purposes:
  - To “check in” with Focus Group members on Focus Group participation and activities.
  - To “gear up” for the 11-3 GWG polling session.
- A teleconference with the FGDC Standards Working Group will be held August 10 to “gear up” for the 11-3 GWG polling session.
- The 11-3 GWG polling session should be held no later than September 22.
- The GWG Secretariat will release the change request (CR) package for review 30 days in advance of the polling session.
- The FGDC Office of the Secretariat will forward the CR package to the CG, SWG, and GWG Focus Group members for review and recommendation for CG approval.
- The CG will vote on approval of the standards identified in the change requests within the thirty-day window. The CG vote will set the position for FGDC vote at the GWG.
- The FGDC Steering Committee vote will be held after the GWG polling session.

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#### Standards use survey

Fifteen FGDC member agencies from 11 of the 31 FGDC Departmental level members provided complete responses to the survey. A summary report is provided as a read-ahead for the August 9 CG meeting.

Select survey findings:

### Ten Most Widely Used FGDC-endorsed standards among responding FGDC member agencies

Standard	Number (Percentage) of responding FGDC member agencies that use standard
Content Standard for Digital Geospatial Metadata (version 2.0)	12 (80.0%)
Geospatial Positioning Accuracy Standards, Part 3: National Standard for Spatial Data Accuracy	9 (60.0%)
Classification of Wetlands and Deepwater Habitats in the United States	8 (53.33%)
Geospatial Positioning Accuracy Standards, Part 1: Reporting Methodology	8 (53.33%)
INCITS 455:2009, Information technology - Codes for the Identification of Congressional Districts and Equivalent Areas of the United States, Puerto Rico, and the Insular Areas	7 (46.67%)
OpenGIS KML, version 2.2.0	7 (46.67%)
National Vegetation Classification Standard (Version 2)	7 (46.67%)
Part 6, Hydrography, FGDC-STD-014.6-2008	7 (46.67%)
GeoTIFF Revision 1.0	7 (46.67%)
Content Standard for Digital Orthoimagery	6 (40.0%)

### FGDC-endorsed standards planned for use

Standard	Number (Percentage) of responding FGDC member agencies that plan to use the standard	Number (Percentage) of responding FGDC member agencies that are using the standard
United States Thoroughfare, Landmark, and Postal Address Data Standard	7 (46.67%)	4 (26.67%)
INCITS/ISO 19115:2003 [R2008] ISO 19115:2003 w/ ISO 19115 Cor. 1:2006, Geographic information - Metadata + Corrigendum 1	6 (40.0%)	0 (0.0%)
OpenGIS Web Map Service Implementation Specification, Version 1.3.0	5 (33.33%)	5 (33.33%)
Cadastral Data Content Standard	5 (33.33%)	4 (26.67%)
INCITS 453: 2009, Information technology - North American Profile of ISO 19115:2003 - Geographic information - Metadata (NAP - Metadata)	5 (33.33%)	5 (33.33%)