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| FGDC LOGO | **Federal Geographic Data Committee**  **Standards Update**  **June 2015**    **Julie Binder Maitra,** [**jmaitra@fgdc.gov**](mailto:jmaitra@fgdc.gov)**, 703-648-4627** |

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## FGDC

Standards pending FGDC Steering Committee endorsement

The FGDC Steering Committee endorsed the following standards:

* Aeronautical Information Exchange Model (AIXM) 5.1
* ISO/IEC 15444-1:2004 Technical Corrigenda 1:2007 and 2:2008 JPEG 2000
* OGC GeoPackage 1.0
* Geopolitical Entities, Names, and Codes (GENC) Standard Edition 2
* GeoRSS-Simple and GeoRSS-GML

June 18, 2015 FGDC Standards Working Group meeting

The FGDC Standards WG meeting was held on **Thursday, June 18, 2015**, at DHS.

The SWG recommended CG approval of draft Part 2, Digital orthoimagery (revised), of the Geographic Information Framework Data Standard for FGDC endorsement.

The primary purpose of Part 2, Digital orthoimagery (revised) of the Geographic Information Framework Data Content Standard is to support the exchange of orthoimagery data. This part will provide a base on which to collect, register, and integrate digital geospatial information accurately.

Part 2, Digital orthoimagery (revised) specifies data content and logical structure for description and interchange of framework digital orthoimagery. It also provides guidelines for acquisition and processing of imagery and specifies documentation of those acquisition and processing steps. It focuses on images sensed in the visible to near infrared portion of the electromagnetic spectrum; however, images captured from other portions of the electromagnetic spectrum are not precluded. It stresses complete and accurate reporting of information relating to quality control and standards employed in testing orthoimagery data. Lastly, it includes a data dictionary based on its conceptual schema

This revision primarily replaces the analog camera references with current digital sensors and recognizes satellite technology for digital orthoimagery production. The 2014 version of this standard was revised with the support of members of the American Society for Photogrammetry and Remote Sensing (ASPRS).

There were presentations on 2015 ASPRS Positional Accuracy Standards for Digital Geospatial Data; Infrastructure for Spatial Information in the European Community (INSPIRE); and Geospatial Platform and standards. Topics help fulfill Action 3.1.1, Consult and collaborate with both existing and emerging geospatial communities to advance common standards and approaches, of the NSDI Strategic Plan.

July 14, 2015 FGDC Coordination Group meeting

The FGDC Standards WG chair will give an update on SWG activities at the July 14, 2015 FGDC Coordination Group meeting. She will also discuss Objective 3.1, Lead and participate in the development and coordination of national and international standards applicable to the geospatial community, of the 2014-2016 NSDI Strategic Plan.

FGDC Standards WG on Linkedin

Julie Maitra has created a private Linkedin group for the FGDC Standards WG: <https://www.linkedin.com/groups?home=&gid=8243676>. Please contact her if you would like to join.

## INCITS Technical Committee L1, Geographic information systems – U.S. Technical Advisory Group to ISO Technical Committee 211, Geographic information/Geomatics

The British Standards Institute (BSI) hosted the ISO/TC 211 plenary and meetings 2015-06-08/12 in Southampton, United Kingdom. INCITS L1/U.S. TAG met June 17, 2015 to discuss outcomes of the ISO/TC 211 plenary and meetings.

Contact

Contact Julie Maitra, principal FGDC rep to L1, or your agency’s representative(s) to INCITS L1 for more information.

## Open Geospatial Consortium

June 1-5, 2015 OGC TC/PC meeting

The OGC TC/PC meeting was held June 1-5, 2015 in Boulder, Colorado #OGCBoulder15.

An ad hoc meeting was held to discuss OGC standardization activities around point cloud data. Four presentations provided concrete proposals for OGC to consider. There was broad participation from OGC members and affiliated or interested parties: approximately 60 people attended the meeting in person or via web conferencing. The OGC membership agreed to charter a new Point Cloud Domain Working Group.

The ISO TC/211-OGC Joint Advisory Group recommended that OGC, TC211, INSPIRE, DGIWG and IHO prepare a liaison paper to JTC1 SC29, Coding of audio, picture, multimedia and hypermedia information, that describes use of the ISO standard JPEG 2000 for geospatial purposes. This liaison statement will be delivered in late November 2015.

The OGC North American Forum is planning to organize a NAF Capacity Building Seminar and Exposition in DC area (around OGC TC/PC) in March 2016 and a Testbed 11 Demo. Also under discussion is a CA-US-MX Road Networks (Transportation) pilot project (interoperability and data model).

September 14-18, 2015 OGC TC/PC meeting

The next OGC TC/PC meeting will be held September 14-18, 2015 in Nottingham, UK.

#OGCNottingham15

OGC compliance tests

OGC now provides a WMS 1.3 Client Test that client developers can use to confirm that their clients correctly implement the OGC Web Map Service 1.3 Interface Standard.

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| **OGC Test Suites** | **Version** |
| CSW | 2.0 |
| GML | 3.2.1 |
| KML | 2.2 |
| SOS | 1.0 |
| SOS | 2.0 |
| SPS | 1.0 |
| SPS | 2.0 |
| SFS | 1.1 |
| SFS | 1.2.1 |
| WCS | 1.0.0 |
| WCS | 1.1.1 |
| WCS | 2.0 |
| WFS | 1.0.0 |
| WCS | 2.0.1 |
| WFS | 1.1.0 |
| WFS | 2.0 |
| WMS | 1.1.1 |
| WMS | 1.3.0 |
| WMS-Client | 1.3 |
| **OGC Tests in Beta** |  |
| OWC | 1.0 |
| SensorML | 1.0.1 |
| WPS | 1.0.0 |
| WMS-SLD | 1.1.0 |
| WMTS | 1.0.0 |

Table - OGC compliance tests

## Geospatial-Intelligence Standards WG (GWG)

The 15-1 GWG voting meeting met June 18, 2015 at Scitor in Reston, Virginia. Standards of interest:

* ISO 8601:2004, Data elements and interchange formats -- Information interchange -- Representation of dates and times
* ISO 19107:2003, Geographic information - Spatial schema, 08 May 2003
* ISO 19108:2002 w/ Cor 1:2006, Geographic information - Temporal schema, 12 September 2002, with Technical Corrigendum 1, 16 October 2006
* ISO 19110:2005 w/Amd 1:2011 Geographic information - Methodology for feature cataloguing, 11 February 2005, w/Amd 1, 17 June 2011
* ISO 19111:2007, Geographic information -- Spatial referencing by coordinates, 26 June 2007
* ISO 3166-1:2013, Codes for the representation of names of countries and their subdivisions, Part 1: Country codes, 19 November 2013
* ISO 3166-2:2013, Codes for the representation of names of countries and their subdivisions, Part 2: Country subdivision code, 19 November 2013
* ISO 19119:2005 w/ Amd 1:2008,Geographic information - Services, Extensions of the service metadata model, Extensions of the service metadata model:2005, w/Amd 1:2008
* OGC CAT 2.0.2 - ISO Metadata, OpenGIS Catalogue Services Specification 2.0.2 - ISO Metadata Application Profile 1.0, 2007-07-19

Contact

For more information, contact Julie Maitra, FGDC representative to GWG, or your agency’s representative to GWG.

## Other

* Please refer to the standards tracking log, <http://www.fgdc.gov/standards/monthlyStandardsUpdate/index>, for progress on FGDC, INCITS, ISO, OGC, and GWG standards.