ISO TC211 Meetings

Southampton
Denise McKenzie
10 June 2015
OGC®
Making location count.
www.opengeospatial.org

Government
Commercial
Research
Academic

Est 1994
40+ standards
273 certified products
480+ members
45 countries
60+ working groups
10 key domain areas
11 national and regional forums
OGC Programs

• Standards Program
  – Scott Simmons

• Engineering Program
  – George Percivall (CTO)
    • Interoperability Program
      – Terry Idol
    • Compliance Program
      – Luis Bermudez

• Communication & Outreach Program
  – Denise McKenzie
Welcome to Strategic Membership

Ordnance Survey
The landscape of standard developing organizations - SDOs

”… the nice thing about standards, is that there are so many of them to choose from…”

Source: Andrew S. Tanenbaum, and others …?

Equally, it can be said – there are so many SDOs, who’s who in this landscape?
A high-level classification – the landscape

Domain related geospatial standards

Generic geospatial standards

Basic ICT standards and other cross-discipline standards

Many, like IHO, DGIWG, WMO, ICAO, but also OGC and ISO/TC 211

ISO/TC 211, OGC, but also others …

W3C, OASIS, IETF, IEEE, ISO/IEC JTC1, OMG, etc.
W3C/OGC Deliverables:

1. Use Cases & Requirements
2. Spatial Data on the Web Best Practices
3. OWL Time Ontology
4. Semantic Sensor Network Ontology
5. Coverage in Linked Data
http://goo.gl/qRNwUj

OGC Discussion Paper to follow..
No “universal” Point Standard

SITUATION:
There are 14 competing standards.

14?! RIDICULOUS!
We need to develop one universal standard that covers everyone’s use cases. YEAH!

SITUATION:
There are 15 competing standards.

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Point Cloud ad hoc

- [http://www.opengeospatial.org/blog/2231](http://www.opengeospatial.org/blog/2231)
- 60 participants
- 8 presentations
- 4 concrete proposals

- Next steps
  - Discuss collaboration with ASPRS
  - Charter a Point Cloud Domain Working Group in OGC
• Joint Advisory Group – OGC & ISO TC 211
• Approved release of [OGC 15-000r1] as ISO/TC 211 – OGC Joint Advisory Group Terms of Reference.
• Meeting today 17:00 – 18:00
## Last weeks agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Item</th>
<th>Participants</th>
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<tbody>
<tr>
<td>13:00</td>
<td>1. Welcome</td>
<td>Co-Chairs</td>
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<tr>
<td></td>
<td>2. Roll call of members and introduction of members</td>
<td>Members</td>
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<td>3. Approval of agenda</td>
<td>Members</td>
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<td></td>
<td>4. Terms of reference (final)</td>
<td>Co-Chairs, members</td>
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<td></td>
<td>• JAG motion to move to the TC</td>
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<td></td>
<td>5. Review of current activities</td>
<td>Co-Chairs, members</td>
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<td></td>
<td>• Update on cooperation related to coverage activities</td>
<td>Peter Baumann / Doug O'Brien</td>
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<td></td>
<td>• Update on revision of ISO 19107</td>
<td>John Herring</td>
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<td></td>
<td>• Update on revision of ISO 19142 and ISO 19143</td>
<td>Peter Vretanos</td>
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<td></td>
<td>6. New proposed activities</td>
<td>Co-Chairs, members</td>
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<tr>
<td></td>
<td>7. Other</td>
<td>Co-Chairs, Members</td>
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<tr>
<td></td>
<td>• Bringing OGC’s POI standard into TC211/WG10</td>
<td>SangKi Hong / Reese Plews / Ki-Joune Li</td>
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<td></td>
<td>• Outcomes of the point cloud ad hoc</td>
<td>Scott Simmons</td>
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<td>• 3 way cooperation on coverage encoding between ISO/TC 211, OGC and JTC1 SC24</td>
<td>Doug O’Brien</td>
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<td></td>
<td>• ISO 19165 - data preservation</td>
<td>Carsten Roensdorf</td>
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<td>• OGC &amp; ISO/TC211 contribution continuation to the UNGGIM</td>
<td>Chris Body</td>
</tr>
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<td></td>
<td>8. Report to the plenary</td>
<td>Co-Chairs</td>
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<td>14:45</td>
<td>Close</td>
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The ISO TC/211-OGC JAG recommends that OGC jointly with TC211 together with INSPIRE, DGIWG and IHO prepare a liaison paper to JTC1 SC29 describing the status of the use of the ISO standard JPEG 2000 for geospatial purposes. This liaison statement will be delivered in late November 2015.

– Motion: C Doug O’Brien
– Second: Emmanuel Devys
Today’s Agenda

Draft agenda

17:00

1. Welcome
   Co-Chairs

2. Roll call of members
   Introduction of members
   Members

3. Approval of agenda
   Members

4. Terms of reference (final)
   Co-Chairs, members
   • Resolution

5. Review of current activities
   Co-Chairs, members
   • Update on revision of ISO19142 and ISO19143
     Morten Borrebaek / Peter Vretanos

6. Other
   Co-Chairs, Members
   • Bringing OGC’s POI standard into TC211/WG10
   • 3 way cooperation on coverage encoding between ISO/TC 211, OGC and JTC1 SC24
     SangKi Hong / Reese Plews / Ki-Joune Li / Doug O'Brien

18:00 Close
The Proposed Multi-Standards Track

• Two points for entry
  – Community Interface, Encoding, Protocol, and/or API Standard
  – Full Standards track (2 stages)
    • Provisional Standard
    • Full Standard

• Community Standard
  – Requires written justification for review by TC
  – Requires TC approval to progress as CS.

• Provisional and Full Standards
  – Same process as now!
  – Just different names based on maturity (see next slides)
# Standards Track: characteristics

<table>
<thead>
<tr>
<th></th>
<th>SWG</th>
<th>Evidence Implem</th>
<th>Modular Spec</th>
<th>CITE Test</th>
<th>OGC Template</th>
<th>Public Comment</th>
<th>OAB Review</th>
<th>IPR to OGC</th>
<th>Member Vote</th>
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<tr>
<td>Community Specification</td>
<td>NR*</td>
<td>Strong!</td>
<td>NR*</td>
<td>Partial</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes (Note)</td>
<td>Yes</td>
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<td>Full Standard Track</td>
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<tr>
<td>Provisional</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>NR*</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Full standard</td>
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<td>Yes</td>
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**NR** – Not required.

**NOTE:** IPT may be shared. Evaluated on a case by case basis
Recent approvals

• 5-003 and 15-004 **Common DataBase (CDB) Specification** is now an official OGC Best Practice
• 15-005 **DGIWG WFS 2.0 Profile** is now an official OGC Best Practice.
• 09-102r1 **DGIWG WMS 1.3 Profile as a revision to 09-102** is now an official OGC Best Practice
• 12-007r1 **OGC KML 2.3** is now an official OGC Standard
• **WMS - Client 1.3 Test Suite** is now an official OGC CITE Test Suite
Motions & Approvals from Boulder

• Electronic vote approved for “WaterML 2.0 part 2” as an OGC Standard

• Electronic vote approved for “Earth Observation Metadata Profile of Observations and Measurements” as an OGC Standard

• Electronic vote approved for “IOGP/IPIECA Recommended Practice for a Common Operating Picture for Oil Spill Response” as an OGC Best Practice
Discussion papers

• Approval of “GeoPackage Plugfest” as an OGC Discussion Paper
• Approval of “Envisioning a Tiled Elevation Extension for GeoPackage” as an OGC Discussion Paper
• Approval of “WaterML 2.0 part 2 – RESTful API and JSON Encoding” as an OGC Discussion Paper
New Working Groups

• Proposed new Working Group: “WKT for Calendars Standards Working Group”
• Proposed new Working Group: “Point Cloud Domain Working Group”
• Proposed new Working Group: “Hydrologic Feature Standards Working Group”
Testbed 11

9 Sponsors
4 threads
56 components
31 documents

120 participants
29 organizations
36 observers
all in 6 mths

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Other activities of note

• **Water Data Summit**
  – The Hydrology DWG sponsored a Water Data Summit on 3 June 2015.

• **Geosemantics Summit**

• **Soil Interoperability Experiment Kick-off**
  – The Soil Interoperability Experiment (SoilIE) held its kick-off meeting on 1 June 2015.

• **Geospatial/BIM/Indoor workshop**
  – The 3DIM DWG sponsored a workshop on Geospatial/BIM/Indoor topics on 2 June 2015.
Upcoming Events

• 14 – 18 September 2015: Nottingham TC Meeting, UK (will have a VGI theme)

• November 2015: Location Powers – The Citizen

• 30 November – 4 December 2015: Sydney TC Meeting, Australia

• 7 – 11 March 2016: Washington TC Meeting, DC USA (week before World Bank Land & Poverty Conference)

• June 2016: Dublin TC Meeting, Ireland
Please keep in touch!

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Open Geospatial Consortium (OGC)

http://www.youtube.com/user/ogcvideo

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