Hydrographic Services and Standards Committee

Report on ISO/TC211 Activies

9-13 November 2015
Busan, Republic of Korea

IHB

Principal activities and achievements
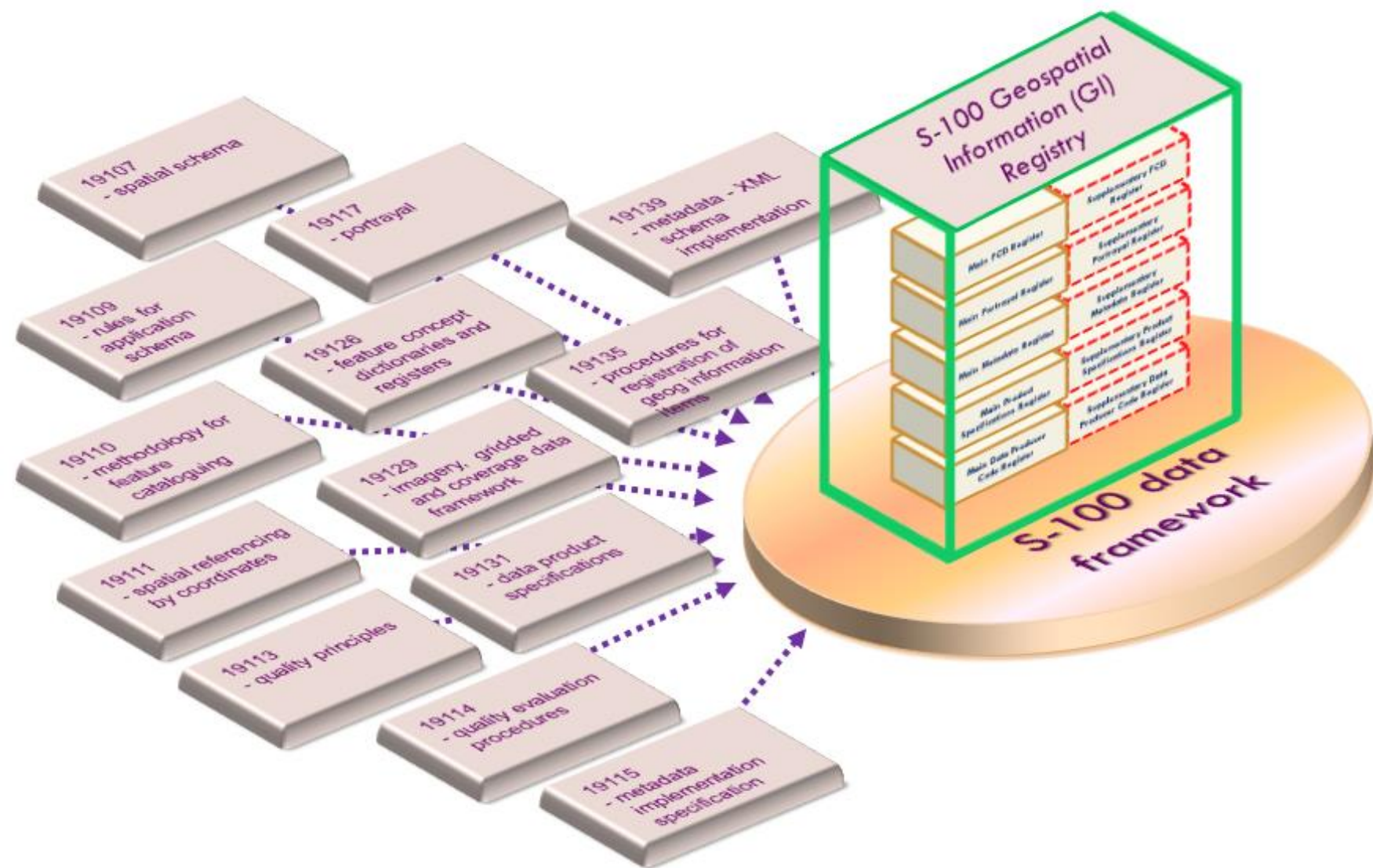
…building the foundation of the geospatial infrastructure, brick by brick …

As of 2015-06-30

- ✦ 62 International Standards or Technical Specifications/ Reports

- ✦ 26 projects under development with about 250 experts nominated

- ✦ 34 Participating members

- ✦ 30 Observing members

- ✦ 33 external liaison organizations (since HSSC6 the World Bank became a liaison member

- ✦ 23 Internal liaisons (requests for internal liaison from the ISO/TC 20 / SubCommittee 16 (dealing with unmanned aircraft systems) and ISO/IEC Joint TC1 dealing with "Big Data")

Activities relevant to HSSC Working Groups

Colour legend: DIS, FDIS

- ISO 19103 – Conceptual schema language (rev of ISO/TS 19103:2005)

- ISO 19104 – Terminology (rev of ISO/TS 19104:2008)

- ISO 19107 – Spatial schema (rev of ISO 19107:2003)

- ISO 19109 – Rules for application schema (rev of ISO 19109:2005) (→IS)

- ISO 19110 – Methodology for feature cataloguing (rev of ISO 19110:2005) (→IS)

- ISO 19115-2 – Metadata - Part 2: Extensions for imagery and gridded data (rev of ISO 19115-2:2009)

- ISO 19115-3 – Metadata - Part 3: XML schema implementation of metadata fundamentals

- ISO 19119 – Services (rev of ISO 19119:2005)

- ISO 19127 – Geodetic codes and parameters (rev of ISO/TS 19127:2005)

- ISO/TS 19130-1 – Imagery sensor models for geopositioining (rev of ISO/TS 19130:2010)

- ISO 19135-1 – Procedures for item registration - Part 1: Fundamentals (rev of ISO 19135:2005) (→IS)

- ISO 19136-2 – Geography Markup Language (GML) - Part 2: Extended schemas and encoding rules (→IS)

- ISO/TS 19139-1 – Metadata – XML schema implementation (rev of ISO/TS 19139:2007)

Activities relevant to HSSC Working Groups

Colour legend: DIS, FDIS

- ✦ ISO 19142 – Web Feature Services (rev of ISO 19142:2010)

- ✦ ISO 19143 – Filter encoding (rev of ISO 19143:2010)

- ✦ ISO 19155-2 – Place Identifier (PI) architecture - Part 2: Place Identifier (PI) linking

- ✦ ISO/TS 19157-2 – Data Quality – Part 2: XML schema implementation of ISO 19157

- ✦ ISO/TS 19159-2 – Calibration and validation of remote sensing imagery sensors and data – Part 2: Lidar

- ✦ ISO 19160 – Addressing (stage 0)

- ✦ ISO 19160-1 – Addressing – Part 1: Conceptual model

- ✦ ISO 19160-4 – Addressing – Part 4: International postal address components and template languages (→DIS)

- ✦ ISO 19160-5 – Addressing – Part 5: Address rendering for purposes other than mail (stage 0)

- ✦ ISO 19161 – Geodetic References (stage 0)

- ✦ ISO 19162 – Well known text representation of coordinate reference systems (→IS)

- ✦ ISO 19163 – Content components and encoding rules for imagery and gridded data (→DIS)

- ✦ ISO 19164 – Registry service

- ✦ ISO 19165 – Preservation of digital data and metadata

Other relevant activities

Advisory group on outreach –

Terminology maintenance group (TMG)

Harmonized Model Maintenance Group (HMMG)

Programme Maintenance Group

XML Maintenance Group (XMG)

Ontology Maintenance Group (GOM)

ISO/TC 211 / OGC Joint Advisory Group (JAG)

Other relevant activities

The IHO ,OGC and TC211 have worked together to produce a "Guide to the Role of Standards in Geospatial Information Management" for the (UN-GGIM).

Available from the IHO website (www.iho.int > Committees & WG > HSSC > MSDIWG) under "Miscellaneous".
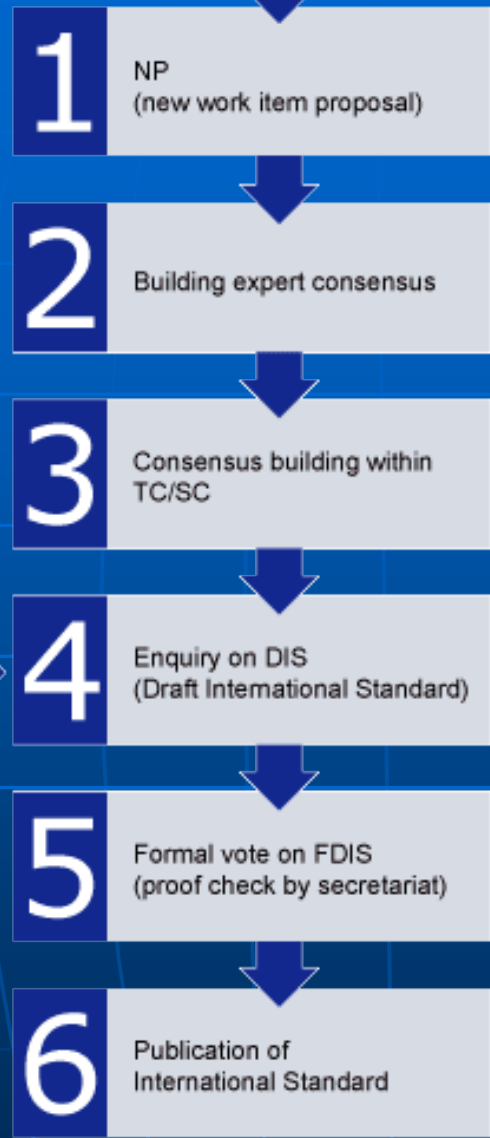
Action requested of HSSC

The HSSC is invited to:

a. note the paper, and

b. agree that the IHB continues to monitor these activities.

TC/SC route

1 NP
(new work item proposal)

2 Building expert consensus

3 Consensus building within TC/SC

4 Enquiry on DIS
(Draft International Standard)

5 Formal vote on FDIS
(proof check by secretariat)

6 Publication of International Standard

FAST TRACK

Deliverables

First CD (Committee draft)

or **ISO/PAS** (Publicly Available Specification)

DIS or **ISO/TS** (Technical Specification)

ISO/TR (Technical Report) for **non-normative** documents

Final text for processing as FDIS (Final Draft International Standard)

Final text of International Standard

ISO International Standard

International Workshop Agreement

Workshop route