



Hydrographic Services and Standards Committee

th
Report to the IHO 8th HSSC Meeting
Monaco (14-18 November 2016)

ISO Activities Affecting HSSC

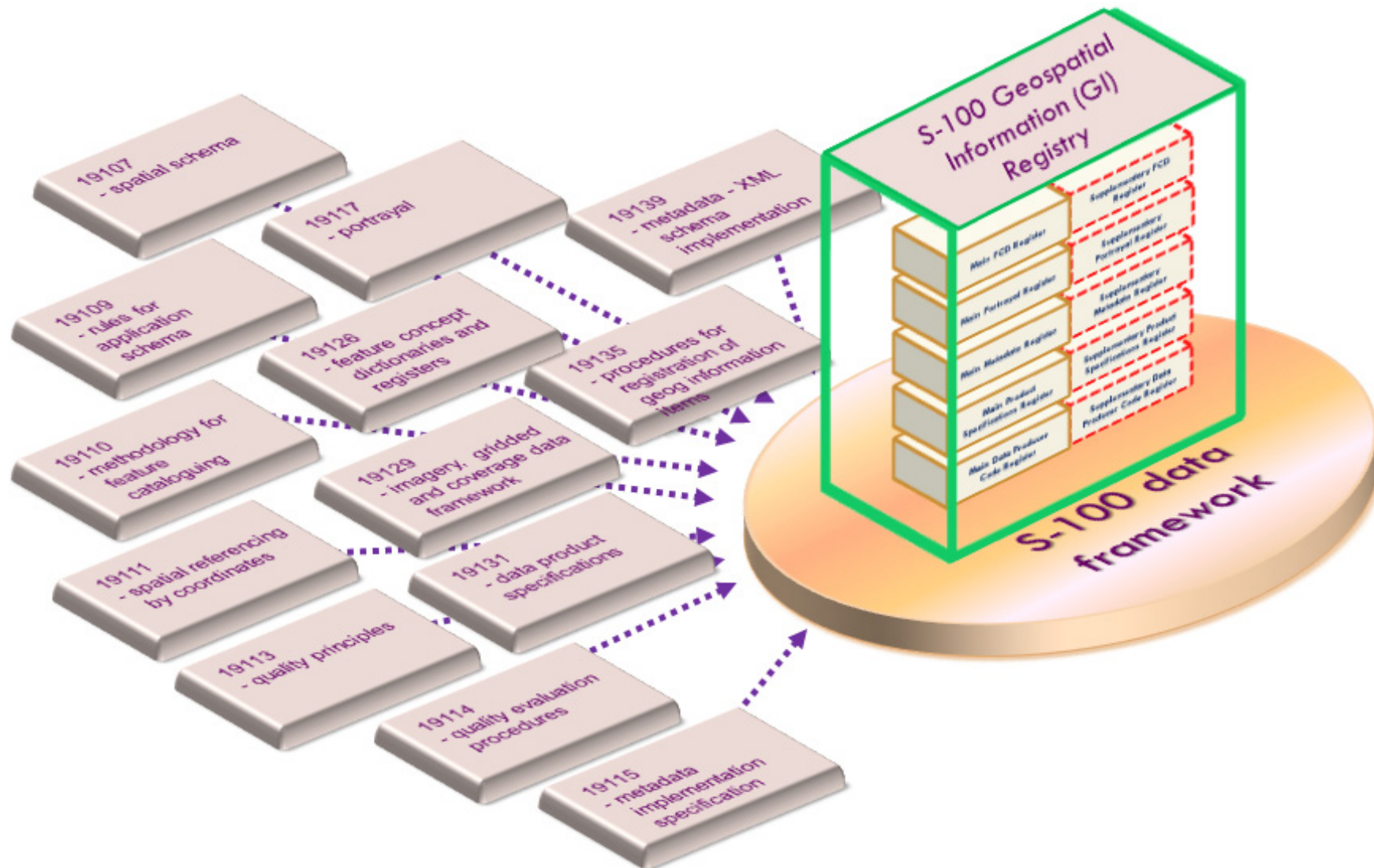


Principal activities and achievements

- ✦ Scope - standardization in the field of digital geographic information.
- ✦ IHO is a Class A liaison members – and has contributed to TC211 standards development activities for a number of years.
- ✦ **As of July 2016 TC211 has**
- ✦ **37 Participating (P) members**
- ✦ **30 Observing (O) members**
- ✦ **36 External Liaison Organizations**
- ✦ Since HSSC7 – Mexico became a P member
- ✦ - Mongolia became a O members
- ✦ - Small Business Standards Organization (Class A liaison)
- ✦ -- UN Statistics Division (UNSD) (Class A liaison)
- ✦ The TC has published **67 International Standards or Technical Specifications**



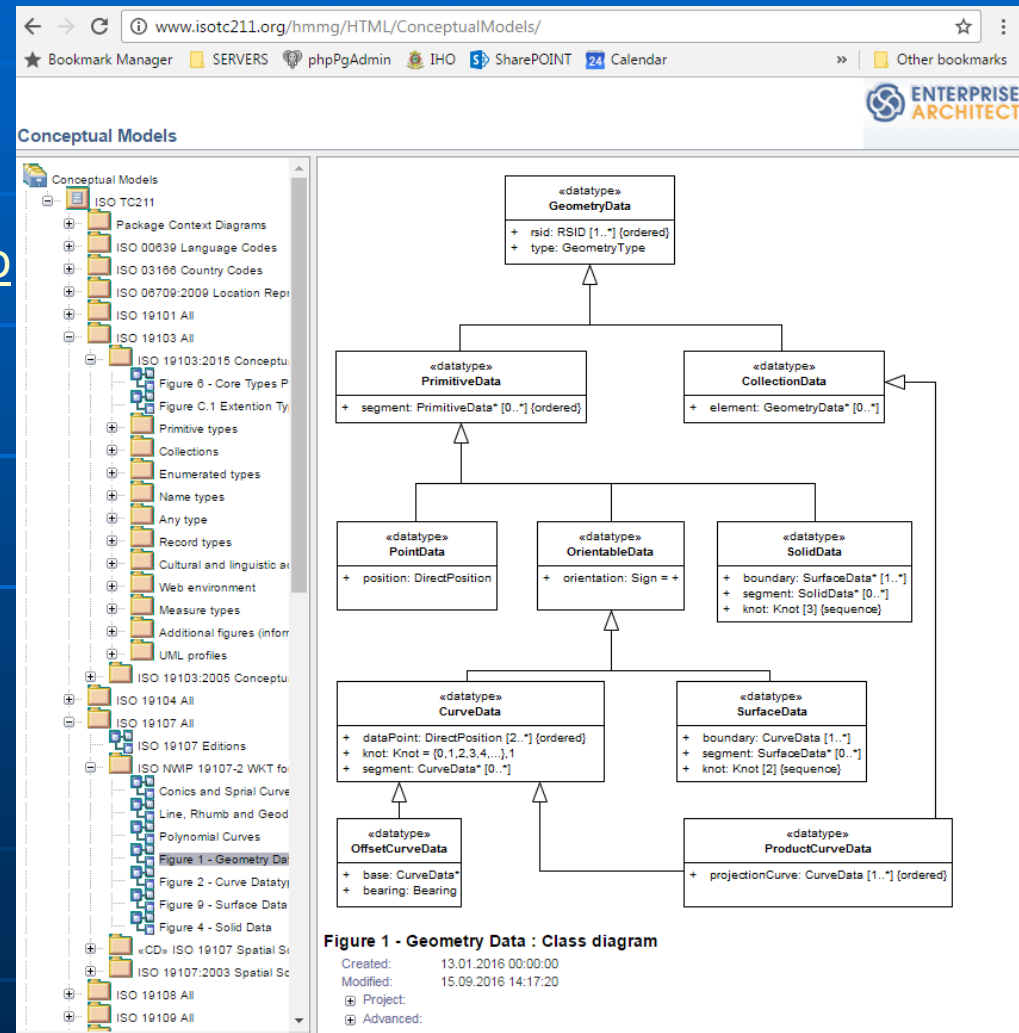
Relevance to IHO



Relevance to IHO - TC211 harmonised UML model

The TC211 have developed a harmonised UML model can be downloaded from the ISO web site <http://www.isotc211.org/hmmg/HTML/robot.html>

Model can also be viewed as Web pages



Relevance to IHO – UML Best Practices WIKI

The ISO/TC 211 have developed a “UML best practices” WIKI to assist users of the harmonised model.

ISO-TC211 / UML-Best-Practices

Watch 25 Star 14 Fork 7

Code Issues 12 Pull requests 0 Projects 0 Wiki Pulse Graphs

Work on UML Best Practices for ISO/TC211

88 commits 1 branch 0 releases 2 contributors

Branch: master New pull request Find file Clone or download

jetgeo Nwe DiagramExport Latest commit 91fbaec on Sep 13

DocumentationOfUMLModels	simple package diagram	7 months ago
Illustrations	Nwe DiagramExport	2 months ago
Presentations	More scripts	5 months ago
Reference material	Presentation from Doug O'Brien	a year ago
Scripts	Theme illustration	2 months ago
.gitattributes	Background/Presentations	2 years ago
.gitignore	Background/Presentations	2 years ago
README.md	Update README.md	2 years ago

README.md

UML-Best-Practices

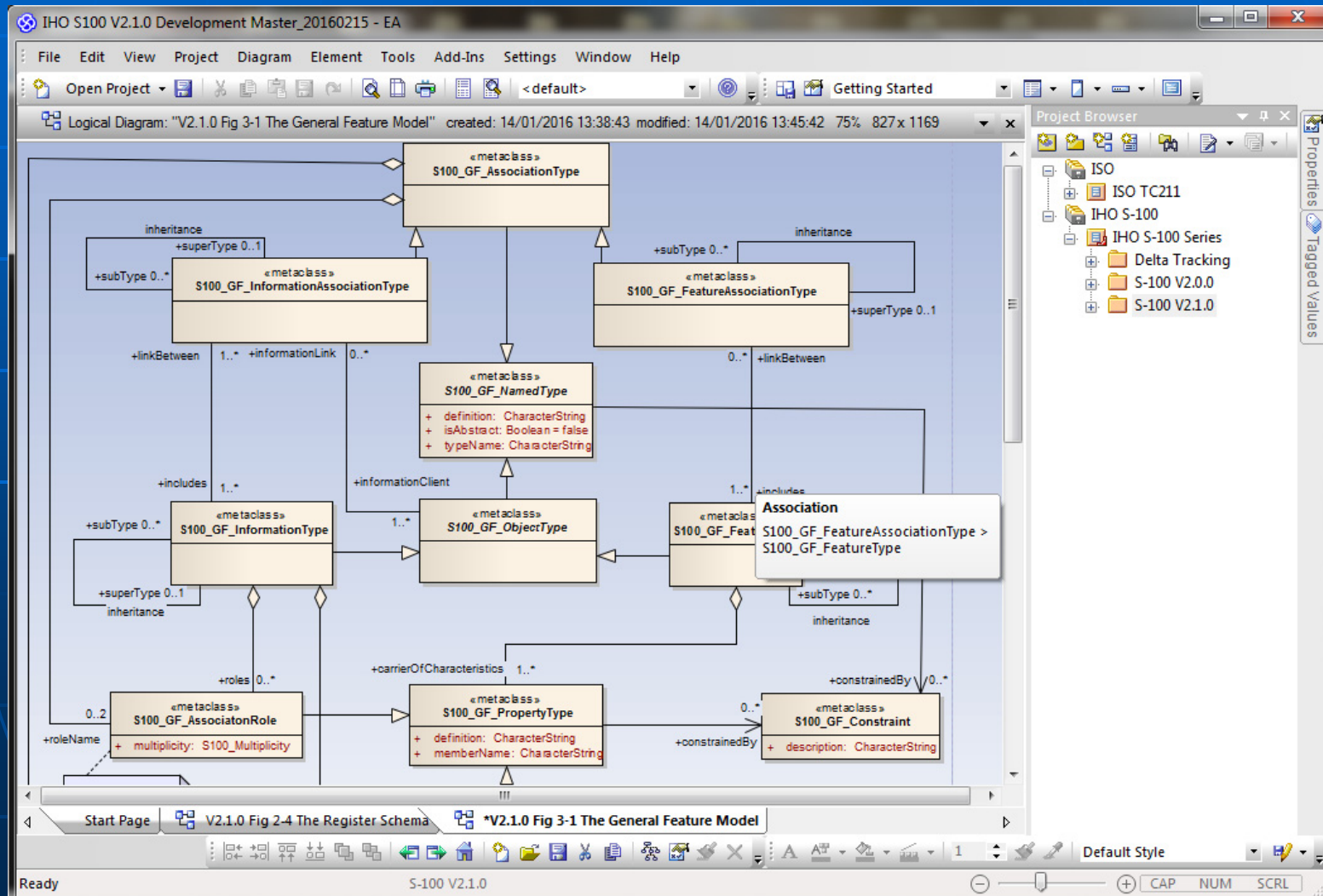
Work on UML Best Practices for ISO/TC211

Folders:



Relevance to IHO – S-100 UML Model

S-100 UML model is based on the TC211 harmonised model –
S-100 UML model is available (<https://basecamp.com/>)



Relevance to IHO – other resources

CEN Technical Reports – Spatial Data Infrastructures

- Part 1 Reference Model
- Part 2 Best practices
- Part 3 Data centric view
- Part 4 Service centric view
- Part 5 Validating and testing

TECHNICAL REPORT
RAPPORT TECHNIQUE
TECHNISCHER BERICHT

CEN/TR 15449-3

October 2012

ICS 35.240.70; 07.040

Superseding CEN/TR 15449-2011

English Version

Geographic information - Spatial data infrastructures - Part 3:
Data centric view

Information géographique - Infrastructures de données spatiales - Partie 3: vue centrée sur les données d'une infrastructure de données spatiales (IGIS)

Geoinformation - Geodateninfrastrukturen - Teil 3: Datenzentrierte Sicht

This Technical Report was approved by CEN on 27 May 2012. It has been drawn up by the Technical Committee CEN/TC 287. CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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For consideration by ISO TC 211

TECHNICAL REPORT
RAPPORT TECHNIQUE
TECHNISCHER BERICHT

CEN/TR 15449-4

July 2013

ICS 35.240.70

English Version

Geographic information - Spatial Data Infrastructures - Service centric view

Information géographique - Infrastructure de données spatiales - Vue centrée services

Geoinformation - Geodateninfrastrukturen - Teil 4: Service-zentrierte Sicht

This Technical Report was approved by CEN on 20 November 2012. It has been drawn up by the Technical Committee CEN/TC 287. CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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For consideration by ISO TC 211

TECHNICAL REPORT
RAPPORT TECHNIQUE
TECHNISCHER BERICHT

CEN/TR 15449-5

April 2015

ICS 07.040; 35.240.70

English Version

Geographic information - Spatial data infrastructures - Part 5:
Validation and testing

Information géographique - Infrastructure de données spatiales - Partie 5: Validation et essais

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For consideration by ISO TC 211



Problems or outstanding issues

Issues raised in paper HSSC7.7B INF
Action HSSC7/43)

1. only the **latest versions of 19100 standards are available for purchase.**
2. recommended that, where possible, a **crosswalk referencing changes to previous 19100 document editions should be maintained;**

Resolution 744: “ISO/TC 211 strongly recommends that revisions of standards and technical specifications include an informative annex which describes how backward compatibility is addressed. This annex may include crosswalks, mappings or similar mechanisms, which evidence the degree of compatibility”



Thanks to ...

Olaf Østensen and Bjørnhild Sæterøy
(Standards Norway)

The Swedish Standards Institute will
take over the secretariat of the TC
from January 2017.



Action requested of HSSC

The HSSC is invited to:

- a. note the paper,
- b. invite the IHO Secretariat to inform the MSDIWG of relevant developments,
- c. agree that the IHO Secretariat continues to monitor these activities, and
- d. take any other actions considered necessary.

