

Paper for Consideration by Data Quality Working Group

ISO TC211 standards

Submitted by:	DQWG-Chair
Executive Summary:	Monitor development of ISO standards and implementation within IHO.
Related Documents:	ISO TC211.
Related Projects:	S-1xx standards

Introduction / Background

ISO TC211 standards describe the standards for Geographic Information. With the transition from S-57 to S-1xx, the relevant ISO standards should be used as reference for development of HSSC standards. HSSC tasked DQWG to develop a minimum standard for data validation and to develop a data quality checklist.

Analysis/Discussion

At www.iso.org there is a list of TC211 standards available for Geographic Information. The relevant items are listed below, with in indication for which WG/PT this standard may be relevant. .

ISO standard	Year of release	Description	WG/PT relevant
19107	2003	Spatial Schema	S-100WG – S100 part 7
19107	Under development	Spatial Schema	S-100WG – S100 part 7
19125-1	2004	Simple feature access – part 1: common architecture	S-100WG – S100
19130-2	2014	Imagery sensor models for geopositioning – Part 2: SAR, InSAR, lidar and sonar	HSPT – S-44
19131	2007	Data product specifications	S-100WG – S-100 part 11
19131	Under development	Data product specifications	S-100WG – S-100 part 11
19152	2012	Land Administration Domain Model	S-121PT
19157	2013	Data Quality	DQWG – S-100 part 4b
19157	Under development	Describing data quality using coverages	DQWG – S-100 part 4b
19157-2	2016	Data Quality Part 2: XML schema implementation	DQWG – S-1xx
19158	2012	Quality assurance of data supply	S-100WG – S-1xx
19159-2	2016	Calibration and validation of remote sensing imagery sensors and data – Part 2: Lidar	HSPT – S-44
19161-1	Under development	Geodetic references – Part 1: The international terrestrial reference system	HSPT – S-44 S-100WG – S-100 part 6
19163	2016	Content components and encoding rules for imagery and gridded data – Part 1: content model	S-102 PT

Conclusions

DQWG should monitor the publication of standard 19157-describing data quality using coverages.

Recommendations

DQWG should take notice the relation between data quality measures and quality issues arising from the other ISO TC211 standards.

Justification and Impacts

When an ISO standard is updated and replaced by a standard already used when drafting the HSSC standards, an impact analysis should be made. Adjustment of the HSSC standard may be needed.

Action Required of Data Quality Working Group

The DQWG is invited to:

- a. note this report;
- b. agree on the conclusion and recommendation;
- c. advice other WG/PTs.