

5TH MEETING OF THE HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE
Shanghai, China, 5-8 November 2013

Paper for Consideration by HSSC5

ISO Standards Development Proposals of Relevance to HSSC

Submitted by:	IHB
Executive Summary:	This paper highlights two proposals to develop ISO standard that are relevant to the HSSC standards development activities. The paper is for information only.
Related Documents:	S-4, S-44, S-60, S-100
Related Projects:	TSMAD, GEBCO

Introduction / Background

The IHB has been informed of a proposal submitted to the International Organization for Standardisation (ISO) for a suite of standards dealing with marine surveys and observation. Furthermore, ISO Technical Committee 211 has initiated a new work item proposal dealing with geodetic references which may be of interest to IHO standards development activities. These items are presented below for information only.

Analysis/Discussion

Proposal for “Marine Survey and Observation” Standards.

In May 2013, the IHB was notified of a proposal submitted to ISO for a new field of technical activity in the domain of “Marine Survey and Observation”. The scope of the proposed new activity is: *“Standardization of the field survey and observation of marine environment and resources, and their data processing. It includes the standardized survey terms, targets, contents, parameters, methods, and also field plan making and data mapping”*.

As a consequence, the IHB contacted the ISO Technical Management Board (TMB) and pointed out that the new activity might affect and/or duplicate the standardization activities of the IHO. Furthermore, the IHB highlighted the longstanding IHO and ISO/TC211 collaborative standards development activities that have taken place under the IHO-ISO Memorandum of Understanding.

The IHB was informed by the ISO TMB that the proposal had not been circulated to ISO members, and was “on hold”; however, the IHB comments would be sent to the submitting organization in the event that it decided to resubmit the proposal.

New work item on geodetic references.

ISO Technical Committee 211 (TC211) has initiated a new work item project (19161) dealing with geodetic references. The general field of interest of this project has been summarized as *all geodetic products used for any scientific or societal activity, such as surveying, mapping, navigation, geo-referencing etc...* The main items will cover:

- Geodetic datums
- Terrestrial reference systems and frames
- Geodetic ellipsoids
- Coordinate systems used for geo-referencing
- Map projections
- Gravity and geoid (gravity models, geoidal models..)
- Vertical reference systems
- Geodetic networks (classical triangulations or leveling, space geodesy, gravity stations...) and related metadata (such as station identifiers...)

This does not include topics related to measurements, instruments, observing system or data analysis techniques used in geodesy.

The objective of the project 19161 is to investigate:

- the requirements related to geodetic references, as viewed by various user communities
- the existing standardization documents relevant to this topic, either ISO/TC 211 documents, other ISO documents or non ISO documents
- possible subjects for which a standardization document would be desirable

The deliverable of the project should be a report to ISO TC211, including recommendations. The report is expected to be ready before the end of 2014.

Conclusions

The IHB will continue to monitor whether the proposal for marine survey and observation standards is resubmitted, and will participate in any further development of the TC211 new work item dealing with geodetic references.

IHO Member States are encouraged to liaise with their national standardization bodies to ensure that the IHO role is understood and taken into account as appropriate.

Recommendations

This paper is for information only; no action is required.

Action Required of HSSC

The meeting is invited to:

- a. note the paper and agree that the IHB continues to monitor these activities.