

**11th CSPCWG/1st NCWG Meeting
Rostock, Germany, 27-30 April 2015**

Paper for Consideration by CSPCWG/NCWG

Matters from HSSC6 of interest to CSPCWG/NCWG

Submitted by:	CSPCWG Chair
Executive Summary:	A brief report on IHO meeting HSSC6, November 2014, for matters of interest to CSPCWG/NCWG.
Related Documents:	1. CSPCWG11-01.4A – CSPCWG Report to HSSC6; 2. HSSC6 Report; 3. Summary report by IHB (at Annex).
Related Projects:	CSPCWG/NCWG Work Plan

Introduction / Background

These notes provide a brief summary report of the 6th meeting of the Hydrographic Services and Standards Committee (HSSC6), hosted by SHOA at Viña del Mar, Chile, from 11-14 November 2014. It is for information only and limited to those issues that are most closely related to the activities of CSPCWG/NCWG; it is not intended to summarise all matters, or to replace the official meeting Record and Actions List that is distributed to Member States (MS) by IHO Circular Letter.

About half of the technical WG Chairs presented their respective WG reports to HSSC in person, attending as part of their national delegations.

Unfortunately I, as Chair of the CSPCWG, was not able to attend the meeting due to travel budget restrictions. The CSPCWG Report (refer CSPCWG11-04.1A) was subsequently presented by Mike Prince (Australia and Vice-Chair of the HSSC). Additionally, the Chairs of the DPSWG, MSDIWG, TWLWG and HDWG were not in attendance at HSSC6, and their WG reports were presented by another member of the WG, the IHB or a national representative. The report from the SCWG was presented via a Skype connection.

HSSC6 was attended by 18 IHO MS. Further participants came from industry and international affiliated bodies. (An “IHO Stakeholders’ Forum” was not held in conjunction with HSSC6.)

Analysis / Discussion

The final Minutes of HSSC6 can be found on the HSSC page of the IHO web site at:

http://www.iho.int/mtg_docs/com_wg/HSSC/HSSC6/HSSC6_minutes_20150112_final.pdf

The following is a brief summary of discussions at HSSC6 that may be of interest to the CSPCWG/NCWG.

CSPCWG Report (HSSC6-05.5A):

The Working Group Report and Work Plan were endorsed. Work Plan progress was reported and acknowledged.

S-4 Edition 4.5.0 (October 2014) had been agreed by IHO MS and notified by CL 69/2014. This was acknowledged by the HSSC as a great achievement of the WG in completing the full review of S-4 Part B. It was noted that S-4 has now come under the control of Resolution 2/2007 and the ‘special status’ of obtaining MS approval no longer applies.

Progress on incorporating ENC scheming guidance into S-11 Part A reported – awaiting feedback from the NSEHWG and WENDWG.

The resubmitted proposal to re-name the CSPCWG as the “Nautical Cartography Working Group” (NCWG) as deferred at HSSC5 (HSSC6-04.2E) was approved.

Inventory of Chart Production Systems and Lessons Learned (HSSC6-05.5B and 5E (UK Response)):

The proposal from the Nordic Hydrographic Commission to include an item in the CSPCWG Work Plan to establish an inventory of chart production systems in use and compile a list of “lessons learned” was not approved. However, IHO MS were invited to facilitate exchange of information on this matter.

Use of seals of non-IHO members on INT charts (HSSC6-05.5C and 5F (France Response)):

The Committee supported the recommendations of the WG in regard to the use of the seals of non-IHO members on INT charts, and approved the inclusion of a new Work Item on the NCWG Work Plan.

Relevance of information overlay services with respect to IHO standards (HSSC6-05.5D):

The Committee supported the recommendations of the IHB and CSPCWG Chair in regard to defining what is meant by “consistency” of chart content between paper charts and ENC’s; and strengthening the wording regarding inclusion of the equivalent to paper chart (T) and (P) Notices to Mariners in ENC. This will be discussed as a separate agenda item at CSPCWG11/NCWG1.

Restructuring of HSSC Working Groups:

The TSMADWG has been replaced with the S-100WG and ENCWG (ENC Standards Maintenance Working Group). (NOTE: The S-101 Project Team will be under the S-100WG.) The DIPWG has been disbanded and items in its Work Plan absorbed by the S-100WG and ENCWG, however there may be aspects of DIPWG work that are best addressed by the NCWG. This will be discussed at CSPCWG11/NCWG1 in association with the NCWG Terms of Reference and Procedures.

CSPCWG Chair participated in the Correspondence Group on HSSC Restructure (CGHR), and argued strongly (as did most others on the CG) on behalf of the CSPCWG against the proposed merger of the CSPCWG and the SNPWG.

The Committee agreed to defer the merging of the CSPCWG/NCWG and SNPWG subject to review at HSSC7. The SNPWG has been re-named the NIPWG (Nautical Information Provision Working Group). The TWLWG and SCWG will be merged to form the TWCWG (Tides, Water Level and Currents Working Group).

Report from IEHC-5:

The Chairs of Committees, Sub-committees and Working Groups are required to supply, twice annually (at year-end and mid-year), a report of the overall status of their work programmes. The report is to identify the current goals and priorities and current or expected gaps and needs, and the combined reports will be circulated via IHO CL (NOTE: The first report has been circulated via IHO CL 17/2015). This will place additional requirements on the Chairs of HSSC Working Groups.

In addition to the NCWG, an annual review will take place as to the continuance of the DPSWG, DQWG and HDWG. Investigations will commence as to the establishment of a Hydrographic Surveys WG.

Reports by Other HSSC Working Groups:

Issues related to the reports of the TSMAD, DIPWG, HDWG and DQWG will be raised as separate reports to CSPCWG11/NCWG1 and therefore are not raised here. Additionally, discussions related to INF papers of relevance to the CSPCWG/NCWG are included as separate agenda items for CSPCWG11/NCWG1.

SNPWG: A proposal was submitted to establish a world-wide common light numbering system. The Committee determined that this proposal was premature and should be investigated by IALA as part of the development of S-102 (Aids to Navigation data transfer standard).

MSDIWG: The importance of national Hydrographic Offices becoming more active with land mapping authorities to ensure that hydrography is included as part of national and regional SDI development was stressed. The Committee approved the transfer of the MSDIWG to the IRCC from 01 January 2015.

IMO: Paragraph 26 of the report on IMO activities affecting the HSSC (HSSC6-07.1A) discusses CSPCWG Work Item A19 in regard to the monitoring of the use of AIS Aids to Navigation to ensure that there is no compromise of the WNWNS or any misuse of either system. CSPCWG Chair sought clarification on this statement as it is considered that this is not the intent of this CSCWG Work Item. Unfortunately, this was not discussed at HSSC6.

Conclusions

The outcomes and associated Action from the CSPCWG Report and associated Papers, as included in the HSSC6 Minutes, is as follows:

Outcome:

- The Committee noted the report of the CSPCWG and endorsed the continuation of its activities as the Nautical Cartography WG (NCWG) in accordance with the new structure of HSSC WGs (see agenda item 4.2).

- The Committee invited the NCWG to report on its continuance after 2015 and if required propose amendments to the current CSPCWG TORs.

→ **Action HSSC06/09**

- The Committee endorsed the proposal of the CSPCWG related to the use of seals of non-IHO Member States on INT charts and agreed to include the relevant work item into the work plan.

- The Committee endorsed the proposal of IHB related to the consideration of standardization issues associated with information overlay services and agreed to include the relevant work item into the work plan.

- The Committee did not support the request of the Nordic Hydrographic Commission to include a work item on the inventory of chart production systems into the work plan but invited IHO Member States to facilitate exchange of information on this matter.

- The Committee acknowledged the completion of the revision of S-4 - *IHO Regulations for INT Charts and IHO Chart Specifications*, commended the efforts of all contributors and expressed its appreciation to CSPCWG former and current Officers.

- The Committee noted that the current CSPCWG/NCWG Chair might require being relieved after the next meeting due to national constraints and confirmed the applicability of the current procedures for its succession (CSPCWG TORs, clause 4.c “*If the Chair is unable to carry out the duties of the office, the Vice-Chair shall act as the Chair with the same powers and duties.*”)

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT
4.2	Implementation of transition arrangements	HSSC6/09	NCWG to report on its continuance after 2015 and if required propose amendments to the current CSPCWG TORs to reflect the change of name.	HSSC-7

Additional HSSC6 Actions related to NCWG activities include:

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	TARGET DATE/EVENT
5.6	Portrayal of Data Quality	HSSC6/25	NIPWG to stand up a project team to develop the portrayal of data quality categories in collaboration with S-100WG and NCWG .	HSSC-7

Recommendations

None.

Justification and Impacts

NCWG Chairman to continue representing the WG at HSSC:

- by providing a report of NCWG’s activities;
- seeking endorsement of our Work Plan, including new items and relative priorities;
- raising issues of wider interest for the Committee’s attention, as required.

Action required of CSPCWG/NCWG

The CSPCWG/NCWG is invited to:

- a. **Note** this report (and to refer to the full HSSC6 final report and actions).

Annexes:

- A: HSSC6 Brief (for inclusion in IHO Bulletin).

6th MEETING OF THE IHO HYDROGRAPHIC SERVICES AND STANDARDS COMMITTEE (HSSC)

Viña del Mar, Chile, 10-14 November

The sixth meeting of the Hydrographic Services and Standards Committee (HSSC) took place in Viña del Mar, Chile, hosted by the Hydrographic Office of Chile (Servicio Hidrográfico y Oceanográfico de la Armada - SHOA), from 10 to 14 November 2014. Rear Admiral Patricio Carrasco, Hydrographer of Chile and Director of SHOA, welcomed delegates at the meeting which was chaired by Dr Mathias Jonas, Hydrographer of Germany. 44 representatives - from 18 Member States, the IHB, and six international organizations accredited as observers - were present. Director Gilles Bessero and Assistant Directors Yves Guillam and Tony Pharaoh represented the IHB.

The Committee reviewed the activities, proposals, and work plans of its subordinate bodies and the decisions of other organs and organizations affecting its work and decided on a number of outcomes. A summary of the main outcomes is described below:

ECDIS

The Committee:

- endorsed the draft new edition 2.0.0 of IHO publication S-100 - *Universal Hydrographic Data Model* and invited the IHB to circulate it to Member States for approval;
- reviewed the outcome of the consultation of Member States seeking approval of the draft edition 6.1.0 of S-52 - *Specifications for Chart Content and Display Aspects of ECDIS*, draft edition 4.0.0 of the Presentation Library [Annex A to S-52], and draft edition 3.0.0 of S-64 - *IHO Test Data Sets for ECDIS* and endorsed the publication of the new editions, subject to final checks in liaison with the International Electrotechnical Committee (IEC);
- noted that further information from ENC Producers and Regional ENC Coordinating Centres (RENC) was required prior to deciding the implementation scheme of edition 5.0.0 of S-58 - *ENC Validation Checks*;
- endorsed the new Annex C - *ENC Update Status Report* to be introduced in the future new edition 1.2.0 of IHO Publication S-63 - *IHO Data Protection Scheme* and tasked the IHB to finalize the draft new edition in liaison with the Data Protection Scheme Working Group (DPSWG) and then seek the approval of Member States. This activity, conducted in close liaison with the IEC, will complete the process aiming at enhancing IHO and IEC ECDIS-related publications to address various issues related to ECDIS operational anomalies. It is expected that the new editions will come into force in October 2015 for new ECDIS and that the current editions will cease to be valid for all ECDIS one year later, as reported to the International Maritime Organization. The update of ECDIS-related documentation will be reflected in the future new edition of IHO publication S-66 - *Facts about electronic charts and carriage requirements*; and
- approved the timescale and stages of the revision of S-66 which will be conducted by a dedicated project team chaired by a representative of IC-ENC.

In conclusion of its review of ECDIS matters, the Committee paid tribute to the memory of Michael Eaton (Canada), hailed as the “father of the electronic chart” and acknowledged his major contribution to the development and standardization of ECDIS.

S-100

The Committee reviewed progress in developing the next generation of standards for digital hydrographic products and services, the S-100 Universal Hydrographic Data Model and associated Product Specifications. The Committee noted with satisfaction the advances in developing the draft edition 1.0.0 of S-101 - *ENC Product Specification*, the S-100 Feature Catalogue Builder, the S-100 Portrayal Catalogue Builder, and an S-100/S-101 Viewer. The Committee commended the efforts of all contributors from IHO Member States and from Industry and expressed its appreciation to the Republic of Korea for its specific support. The Committee endorsed the procedure for registering new S-100 based product specifications and agreed on the way forward to ensure the continuity of the administration of the S-100 Registry and Registers under IHO responsibility in the perspective of the retirement of the current Registry Manager planned at the end of February 2015. The Committee approved the consideration of the preparation

of a new edition of S-102 - *Bathymetric Surface Product Specification* in accordance with IHO Resolution 2/2007 as amended.

e-Navigation

The Committee considered IMO activities affecting its work, e-navigation developments in particular, and reflected them in the work plans of the relevant HSSC WG.

Restructuring of HSSC Working Groups

At its previous meeting in 2014, the Committee had agreed the principles for re-structuring its working groups in order to reflect the changing focus from paper to digital data based products and services, best use limited resources, improve its efficiency and facilitate inputs from industry and other stakeholders. The Chair Group reviewed the report of the Correspondence Group on HSSC Working Groups' Restructuring (CGHR) and the comment papers submitted to the Committee and presented consolidated proposals to the Committee which agreed on the implementation of a new structure including four new working groups (WG): S-100WG, ENC Standards Maintenance WG, Nautical Information Provision WG and Tides, Water Level and Currents WG. The terms of reference of the new WG, the generic terms of reference for "project teams" and the arrangements for the transition from the current to the new structure were agreed.

The Committee agreed to the continuation under their current terms of reference of the Chart Standardization and Paper Chart WG, renamed the Nautical Cartography WG, the Data Protection Scheme WG and the Data Quality WG, subject to annual review and further consideration of their interactions with the new WG.

Hydrographic Dictionary Working Group

The Committee noted the recurring difficulties of the Hydrographic Dictionary WG (HDWG) in progressing its work items, due to the lack of participation. The Committee welcomed the offer of Australia to liaise with the chair and members of the WG in order to draft new business rules addressing relations with the S-100 Registry on one hand, with HSSC WG and other IHO and inter-organizational bodies on the other hand.

Marine Spatial Data Infrastructures Working Group

The Committee approved the transfer of the WG on Marine Spatial Data Infrastructures from the HSSC to the Inter-Regional Coordination Committee (IRCC) and decided to further investigate the possible establishment of a Hydrographic Surveys WG.

Miscellaneous Reports

The reports presented by industry representatives and information papers from Australia, France, Korea (the Republic of) on current developments and topical issues within the scope of the Committee generated significant interests from the participants.

Technical Visit and Hosting

A tour of the SHOA facilities in Valparaiso, including a presentation of the National Tsunami Warning System, was organized in the margins of the meeting. The Chair of HSSC, Director Bessero and the Hydrographer of Chile met the local press on this occasion.

The Committee warmly thanked Chile for the excellent meeting arrangements and the support provided to the participants and acknowledged that this support contributed significantly to the success of the meeting.

Next Meetings

The next meeting of the HSSC, HSSC-7, will take place in early November 2015, in Busan, Republic of Korea. HSSC-8 will take place in Monaco in November 2016 and HSSC-9 will take place in Canada in 2017, location and dates to be determined later.

More Information

Further information is available on the IHO web site at [Home > Committees & WG > HSSC](#).