

19th TSMAD MEETING
26-30 October 2009, Sydney, Australia

Paper for Consideration by TSMAD/DIPWG

Report to TSMAD19 on CSPCWG Activities

Submitted by:	AU (Jeff Wootton)
Executive Summary:	Report on CSPCWG Activities Since TSMAD18
Related Documents:	IHO S-4
Related Projects:	S-57 Maintenance; S-100; S-101 Development

Introduction / Background

The IHO Chart Standardisation and Paper Chart Working Group (CSPCWG) is a Working Group of the IHO HSSC. Its primary objectives are to:

- Revise, develop and maintain IHO Publication S-4 – Regulations of the IHO for International (INT) Charts and Chart Specifications of the IHO;
- Revise, develop and maintain Part A of IHO Publication S-11 – Guidelines for INT Chart Coordinators;
- Maintain INT1, INT2 and INT3 (with national Hydrographic Offices' assistance);
- Develop new paper chart symbology.

There have been no meetings of CSPCWG since TSMAD18. Ongoing review of IHO Publication S-4 has continued through correspondence, and the INT1 Sub-Working Group has continued to address consistency issues between the three official language versions of INT1 by correspondence. The full record of CSPCWG can be found on the CSPCWG page of the IHO web-site.

Analysis / Discussion

CSPCWG Progress by Correspondence: The following issues that are of interest to TSMAD have been progressed through CSPCWG correspondence:

- IHO re-numbering of publications: Miscellaneous Publication number M-4 – Regulations of the IHO for International (INT) Charts and Chart Specifications of the IHO – has been re-numbered to Standards and Specifications number S-4. Similarly Miscellaneous Publication number M-11 – Guidance for the Preparation and Maintenance of INT Chart Schemes and Catalogue of INT Charts – has been re-numbered to Standards and Specifications number S-11.
- S-4 Review: Progress on the review of S-4 include:
 - Publication of Edition 3.006 in April 2009 (IHO CL 20/2009). Changes from Version 3.005 include:
 - Revised specification and symbols for the depiction of mangrove coastline and mangrove areas on paper charts (B-312.4);
 - Clarification of rounding rules for depths (B-412);
 - New paragraph to clarify the term “recommended” in regards to recommended tracks and other routeing measures (B-434);
 - Completely reviewed section B-450 to B-479 – Aids to Navigation, Audible (Sound) and Visual: General; Visual Aids to Navigation: Buoyage; and Lights.
 - The new Maintenance Section B-600 continues to be developed (CSPCWG Letter 09/2009), with the third iteration of the review being conducted by correspondence and completed in August 2009.
 - Review of section B-480 to B-499 – Radio Position Fixing Stations and Marine Services and Signal Stations: The CSPCWG review of these sections of S-4 has been completed (CSPCWG Letters 05/2009 and 08/2009), and the revised

text has been submitted to IHO member States for comment and approval (IHO CL 55/2009).

- Actions from CSCWG5: Draft amendments to various sections of S-4 resulting from discussions and resultant actions from CSPCWG5 have been progressed (CSPCWG Letter 07/2009). These include:
 - Revised specification for buried cables (B-443.8);
 - Revised specification for buried pipelines, including new specification for pipeline tunnel entrances and new INT1 symbol L42.2 (B-444.5);
 - New specifications including guidance on the depiction of bridge supports and depths (including obstructions) under bridges for paper charts (B-381.5(?) and B-381.6(?));
 - Revised specifications for wave energy devices and wave farms, including new INT1 symbols L6.1 and L6.2 (B-445.12);
 - Revised specification for depiction of unsurveyed areas on paper charts (B-418.1);
 - New specification for the depiction of disused or abandoned platforms (B-445.2).

Next meeting: The next meeting (CSPCWG6) is to be held at the IHB from 01-03 December 2009.

Recommendations

That TSMAD continue to monitor the activities of CSPCWG, particularly the ongoing revision of S-4, with regards to impacts on the IHO Hydrographic Register and S-101, and liaise with CSPCWG as required.

Justification and Impacts

CSPCWG activities impact on the content of the IHO Hydrographic Register; the rules and guidelines for ENCs compiled in both S-57 and S-101; and developments in portrayal of navigation information in ECDIS.

Items of particular note from this report that impact on TSMAD activities include:

- IHO re-numbering of documents S-4 (formerly M-4) and S-11 (formerly M-11). This will impact on documentation in S-101 in relation to references to these documents.

Revised specification for the depiction of mangroves. This has implications for the encoding of mangrove coast and mangrove areas on ENC. Refer to paper TSMAD19-5.1

- Reviewed sections B-450 to B-479. Some re-numbering of clauses has taken place. This will have implications on corresponding references to these clauses in the Hydro Register and S-101 documentation.
- New specification for pipeline tunnel entrance (B-444.5) will require proposal for the Hydro Register for a new feature and/or attribute(s), and a possible ENC Encoding Bulletin for encoding these features in S-57 ENCs.
- Revised specification for wave energy devices and wave farms will require proposal for the Hydro Register for a new feature and/or attribute(s), and a possible ENC Encoding Bulletin for encoding these features (and current turbines and farms) in S-57 ENCs.

Action required of TSMAD

TSMAD is invited to:

- a. Endorse this report.
- b. Note issues within the report on interest to TSMAD.