

**Joint TSMAD18 & DIPWG1 MEETING  
4<sup>th</sup> to 8<sup>th</sup> May 2009 (Ottawa, Canada)**

**Paper for Consideration by TSMAD/DIPWG**

**Report to TSMAD18/DIPWG1 on CSPCWG Activities**

<b>Submitted by:</b>	AU (Jeff Wootton)
<b>Executive Summary:</b>	Report on CSPCWG Activities Since TSMAD17 and CSMWG18
<b>Related Documents:</b>	Minutes CSPCWG5
<b>Related Projects:</b>	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 M-4 – Chart Specifications and Regulations for INT Charts;
- Revise, develop and maintain Part A of IHO Publication M-11 – Guidelines for INT Chart Coordinators;
- Maintain INT1, INT2 and INT3 (with national Hydrographic Offices' assistance);
- Develop new paper chart symbology.

Since CSMWG18 and TSMAD17, there has been one CSPCWG meeting held: CSPCWG5 in Sydney, Australia – 18-21 November 2008. In addition, ongoing review of IHO Publication M-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**

CSPCWG5: The following issues that are of interest to TSMAD and DIPWG were discussed at the meeting:

- **Fouls and Foul Ground:** CSPCWG, through the INT1 Sub-Working Group, has begun the process of clarifying the use of symbology to define foul ground on paper charts. This has been initiated by amending the subsection heading at INT1 K20 to “Wrecks and Fouls”, and amending the description at K31 to “Foul ground, e.g. remains of a wreck, no longer dangerous to surface navigation but to be avoided by vessels anchoring, trawling etc”. New and ongoing actions from CSPCWG5 include adding another example to the description for foul ground (e.g. cleared platform); communicating CSPCWG discussions to the HDWG; and looking into the possibility of moving some parts of INT1 section K to section L. CSPCWG is also to be kept apprised of any progress in discussions on obstructions, fouls and foul ground at TSMAD in the development of S-101. (**S-101; Hydro Register**)
- **INT1/S-52 symbol combined document:** CSPCWG is not currently doing any activities relating to the development of such a document, but has been monitoring discussions by TSMAD/DIPWG, and CSPCWG members have been asked to report to the CSPCWG Chair any substantive discussion or progress on the development of such a document. (**For info DIPWG**)
- **Pipelines in tunnels:** CSPCWG has approved new symbology for the entrance to a pipeline tunnel:



No distinction was made between submerged tunnels and tunnels on land. The distinction between tunnels and buried pipes is that the tunnel containing the pipe is mined. For ENC, the implications are that there is currently no encoding for a tunnel entrance, and if an encoder wishes to encode the tunnel itself using paper chart as source, there is no indication as to where the tunnel actually is (the paper submitted by NO on this subject stated that often the position of the tunnel is not indicated on the source). It has also been approved for this symbol to be used for a cable tunnel entrance. **(For info DIPWG; S-101; Hydro Register)**

- Charting of bridge supports and detail under bridges: Guidance on this is contained in B-300 of M-4, which has not yet been reviewed by CSPCWG. After some recent incidents involving bridge supports, CSPCWG has agreed that a review of the specification for the depiction of bridges, bridge supports and detail under bridges will be brought forward and accorded a high priority in the CSPCWG Work Plan. **(S-101; Hydro Register)**
  - A new generic symbol has been approved for the representation of offshore renewable energy installations, including floating (wave) installations. The symbol will be a combination of the black “flash” symbol as used in INT1 D26 and the circle and limit as used in INT1 E26.2. The symbol could be used for both point and area representation, and will be located at INT1 L6.1/6.2. Note that the encoding of offshore energy installations is the subject of an outstanding ENC Encoding Bulletin action. **(S-101; Hydro Register; ENC EB Sub-WG)**
  - B-600 Chart Maintenance – new section of M-4: the first draft of the new M-4 section on Chart maintenance was tabled, with a number of questions and comments proposed to the group by the Secretary. These were addressed by the meeting, with further opportunity to comment being provided when the document was circulated for review by CSPCWG Letter. Of interest to TSMAD is a proposed statement relating to the relevance of the Specification for the updating of electronic charts, and the possible extent of the criteria for the application of Notices to Mariners information on paper and electronic products to diverge. **(For info TSMAD)**
  - M-4 B-480 to 499 draft: The Secretary tabled a number of questions regarding the first draft of this review, which had yet to be forwarded to CSPCWG members for review by CSPCWG Letter. The meeting agreed that the following revisions (among others) were required:
    - Circular (non-directional) (RC), directional (RD) and rotating pattern (RW) marine radiobeacons; consol beacons; aeronautical radiobeacons; radio direction finding stations (RG) and coast radio stations providing ‘QTG’ service (R) are now obsolete and can be reduced to a short historical paragraph in M-4, as they are no longer required to be charted. The sole exception is ‘emergency use only’ VHF-based direction finding services (RG), which do not use radio direction finding equipment.
    - There is no requirement to chart the Loran position-fixing system.
    - There is no requirement to chart the band for Racons, as most modern Racons operate in both bands.
    - Time signals and telegraph stations were now redundant, and can be removed from M-4 (and INT1).
- (S-101; Hydro Register)**
- M-11: New tasks have been included in the CSPCWG Work Plan for the development of guidelines for the preparation and maintenance of small/medium scale ENC schemes, and to develop Terms of Reference and Rules of Procedure for INT chart coordinators (including Regional Chart Coordinators) to include addressing small/medium ENC schemes and reflect these in M-11 Part A. It was agreed by the meeting that S-65 would not be a suitable document to locate these guidelines and TOR/ROP, but that M-11 would be more appropriate. **(For info TSMAD)**
  - S-49 – Recommendations concerning Mariners’ Routeing Guides: A new item has been included in the CSPCWG Work Plan to review this document. A Sub-Working Group has been established, led by DE, to perform the review, and the old S.P.049 has been digitised as a first step in the review process. CSPCWG has endorsed the work done so far and approved the TOR for the Sub-Working Group. **(For info TSMAD)**
  - INT1 Sub-Working Group: New Editions of ES INT1 (December 2007) and DE INT1 (January 2008) have been published. **(For info TSMAD, DIPWG)**

- Maritime Rescue Coordination Centre: The meeting agreed to a new abbreviation MRCC (new enumerate for the Hydro Register?). **(S-101; Hydro Register)**
- Removal of INT1 sections G, O and W: The meeting agreed that INT1 sections G and O (Topographic and Hydrographic Terms) can be removed from INT1, and instead be replaced by a Glossary/Index at section X. The meeting further agreed that section W (International Abbreviations) could be removed, and instead these abbreviations indicated by highlighting in section V (Index of Abbreviations). This could result in the rearranging of INT1 section letters, which is to be considered by the INT1 Sub-Working Group. If this occurs, this will have a major impact in the references in the Hydro Register. **(S-101; Hydro Register)**

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

- M-4 Review: Progress on the review of M-4 include:
  - Publication of Edition 3.005 in October 2008. Changes from Version 3.004 include:
    - Insertion of list of International Abbreviations at B-122.1;
    - New specification for colour printing at B-147;
    - New paragraph for co-produced INT charts inserted at B-241.2(I);
    - Symbol and legend colour for magnetic anomaly changed to magenta at B-274.1 and B-274.2;
    - New specification for wrecks and other charted obstructions in changeable areas at B-416.3;
    - Amended specification for depiction of mooring trots at B-431.6; and
    - Completely reviewed section B-440 to B-449 – International Boundaries and National Limits.
  - Review of section B-450 to B-479 – Aids to Navigation, Audible and Visual: There have been 4 iterations of the review, and the review results should be incorporated in the next Edition 3.006 of M-4.
  - A review of B-312.4 – Mangrove shore – was done in conjunction with the review of B-450 to B-479. This will also be published in Edition 3.006.
  - The new Maintenance Section B-600 has is in the process of being reviewed, with discussions at CSPCWG5 (see above) and 2 iterations of the review by correspondence; the last being completed in April 2009.
  - Review of section B-480 to B-499 – Radio Position Fixing Stations and Marine Services and Signal Stations: The first iteration of this review was completed in March 2009.

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 M-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 ENC's compiled in both S-57 and S-101; and developments in portrayal of navigation information in ECDIS.

### **Action required of TSMAD**

TSMAD and DIPWG are invited to:

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