

**13<sup>th</sup> CHRIS MEETING**  
**17-19 September 2001, Athens, Greece**

**REPORT OF 12<sup>TH</sup> MEETING OF C&SMWG**

**Introduction**

1. The 12<sup>th</sup> meeting of the CSMWG was held at the IHB 12-15 September 2001. The meeting addressed a number of significant technical items and prepared a new work programme (Annex A).

**Discussion**

2. The following outcomes of the meeting are of particular significance:
- a. **Office Bearers.** Dr Mathias Jonas (Germany) was elected unopposed as Chairman of C&SMWG. Dr Jonas replaces Mr Julian Goodyear (Canada). At the same time, Mr Brent Beale (Canada) stepped down as Technical Coordinator, and Mr. Chris Roberts (Australia) indicated that he will only continue as Secretary until the next IHC (April 2002). Mr Mike Eaton (Canadian HS (retd)) and Mr Steve Grant (Canadian HS (retd)) have indicated that they are prepared to act as temporary Technical Coordinators to assist the Chairman, but for a very limited period of time only.
  - b. **Financial Arrangements.** The critical state of finances for the WG was discussed. A separate submission (CHRIS13/14.2C) has been prepared for consideration by CHRIS 13.
  - c. **Use of the OEF and Discussion Groups.** The meeting discussed the increased use of the internet to progress C&SMWG issues in advance of formal meetings and the benefits of a wider participation. A number of current and planned items will be progressed this way.
  - d. **Presentation Library – new editions.** It is intended to issue a new edition of the Presentation Library (PresLib e3.3) late in 2002. This will incorporate a large number of extant deferred amendments. In the longer term, an extensive revision of the PresLib with the specific aim of reducing and simplifying the contents of the documentation and the ECDIS display requirements will result in PresLib e4.0. Discussion in support of drafting PresLib e4.0 will begin immediately via OEF discussion groups with a target issue date of 2005.
  - e. **Timing of Meetings.** The meeting considered that there are many benefits if back-to-back ECDIS technical meetings are held wherever possible. Meetings should normally be limited to two, and should be rotated through geographic regions to ensure a range of participants and to share to burden of travel expenses. The WG considers that a first

priority would be to co-locate IEC WG13 and C&S meetings, followed by C&S and TSMAD meetings.

- f. **Relationship between ENC Navigation Purpose Code and RNC Compilation Scale in ECDIS.** The meeting discussed the fact that under current regulations an RNC can only be used in the absence of a published ENC. If this is strictly enforced, in the worst case if the only ENC for a particular area is a Navigation Purpose Code 1 (planning) ENC, then it will be authorised for use in ECDIS in preference to an RNC of a much more suitable scale. This could result in an ENC of a notional scale of say, 1: 3,500,000 being valid for ECDIS use, whereas a large scale RNC, say a 1:75,000 coastal RNC that will provide detailed information of part of the same area is invalid under SOLAS V regulations. This has obvious safety of navigation and national liability implications.

The meeting considered that this issue should be brought to the attention of CHRIS who can then provide advice and direct appropriate action. Such advice might be to declare that the scale of the source chart information should be the determining factor in selecting whether to use ENC or RNC. Once CHRIS has determined the appropriate policy, it may wish to consider inviting C&SMWG to draft suitable amendments to S-52, to inform the Chairman of IMO MSC of the potential conflicts and inconsistencies with the IMO PS and its implementation, and to invite consideration and appropriate action by IEC TC80 WG7.

- g. **Colour Palettes and Flat Panel Displays.** The meeting agreed to a number of changes and initiatives that may permit a reduction in the number of colour palettes required for ECDIS and will also lead to the earlier use of fully-compliant flat panel displays in ECDIS.

### **Conclusions**

3. The following important issues are brought to the attention of CHRIS13:
- a. The majority of WG office bearer positions are vacant or will become vacant in the near future. There are no obvious volunteers to take up these positions.
  - b. The WG is in a critical financial position.
  - c. The validity of different “scale” ENC and RNC in ECDIS requires clarification.

### **Action Required of CHRIS**

4. The CHRIS is requested to:
- a. (1) take **note** of this C&SMWG report;
  - (2) **encourage** M/S to directly support C&SMWG, particularly by providing office bearers; and
  - (3) **encourage** back to back meetings of ECDIS technical groups wherever possible.

- b. **note** that urgent funding action is required to ensure C&SMWG activities can continue.
- c.
  - (1) **provide guidance** on the appropriate use of ENC and RNC; and
  - (2) **identify** the action to be taken and by whom, to overcome potential conflicts and safety issues over the IMO ECDIS Performance Standard and its consequent regulations, as they relate to the permitted use of ENC and RNC in ECDIS.

## FUTURE WORK PLAN OF C&SMWG

	TASK
1.	Preparation, support and issue of PresLib e3.3
2.	<p>“Reduce and Simplify” PresLib in preparation for e4.0, including consideration of:</p> <ul style="list-style-type: none"> <li>transfer navigational objects to IEC documentation</li> <li>revise viewing groups</li> <li>limit conditional symbology</li> <li>abandon simplified symbology, use only traditional symbology</li> <li>abandon machine readable symbols, line styles, et cetera</li> <li>revision of complex line styles</li> <li>include manual updates</li> <li>reduced colour palettes for flat panel displays</li> <li>adopt functional (generic) rather than solution specific requirements</li> </ul>
3.	Monitor work of TC211 and its impact on PresLib and S-52.
4.	Review changes to UOC for impact on PresLib
5.	Seek industry views on PresLib e3.2
6.	Evaluate and introduce new symbols, for unsurveyed area, dredged area, overscale
7.	Evaluate labelling of contours
8.	Review IMO model course to ensure presentation issues are covered
9.	Clarify relationship between usage code and SCAMIN factor

10.	Produce, review and issue new S-52 App2 plots
11.	Assist TC80 to improve Own Ship symbol
12.	Evaluate three new colour tables as optional alternative to 5 palette requirement
13.	Investigate/evaluate new colour tables for flat panel displays
14.	Develop generic colour calibration procedures
15.	Revise colour calibration requirements
16.	Check “out of gamut” report for deep blue on night display
17.	Draft revised text and incorporate extant amendments in PresLib e3.3
18.	Evaluate ECDIS treatment of Linear Depth Areas