

**REPORT OF THE CHRIS COLOURS & SYMBOLS
MAINTENANCE WORKING GROUP (C&SMWG)**

for year 2002

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1. **Chairmen:** Dr. Mathias JONAS (Germany)
 - Tech. Coordinators:** Mr. R. Mike EATON (Canada) until December 2002
Mr. Steve GRANT (Canada) until March 2002
Mr. Sven HERBERG (Germany) from March 2002
 - Secretary:** Mr. Chris ROBERTS (Australia)
 - Rapporteur:** Dr. Lee ALEXANDER (USA)

2. **Membership:** IHO Australia, Canada, Finland, France, Germany, Norway, UK, USA
 - Non-IHO SevenCs, P&H Marine Associates, ICAN, Q-Mar, NDI, C-Map, CARIS, Offshore Systems Inc., Canadian Coast Guard, CANStar Navigation Ltd., Canadian Navy, DCIEM (Canada), Navintra Ltd. (ASPO), Transas Group, Raytheon Marine, C-Map, Kelvin Hughes, HSA, DERA, USCG, SAM Marine Electronics, CIRM, IEC TC80, DnV Type Approval, Wismar University

3. **Meetings:** 13th Meeting, BSH, Hamburg, Germany, 13-15 May, 2002.

4. **Agenda Items:**
 - a. Under the general heading of "Consolidation of S-52", the drafting activities for Appendix 2, Edition 4.2 and the Presentation Library Edition 3.3 were continued. These will bring into effect all current 'deferred amendments'. For harmonisation purposes between ENC's and their presentation, changes in the S-57 document "Use of object catalog, Ed. 2.1" were considered as *well*. *In addition*, it was decided to share symbol definition work for new navigation applications like AIS targets overlay with IEC/TC80. *Finally* enhanced capabilities of flat panel displays to meet the ECDIS colour requirements were demonstrated .
 - b. Workshop: "Future Presentation Library – the most intuitive and most mariner-friendly display of hydrographic information"
 - c. Funding for C&SMWG work.

5. **Conclusions:**
 - a. The revised Editions of S-52, Appendix 2 and the Presentation Library are scheduled for the beginning of 2003 to be set in force as a mandatory requirement after a grace period of one year. Ongoing work on guidance for display of AIS information in harmony with the chart background *planned*. Further tests for a reduced number of colour tables and their application for flat panels will be performed.

b. As a result of the workshop the need for a fully paper based description of the presentation library symbols was identified. The paper based description will be produced under supervision of the technical co-ordinator. Inconsistencies between IMO and IHO regulations concerning ECDIS were identified also and forwarded as input paper to IMO/NAV via CHRIS.

c. Funding the work of the C&SMWG remains a major concern. Individual HOs can no longer foot the bill for this work as has been done in the past. Funding mechanisms based on direct IHO support and EU support needs to be reconsidered. Also, it has been recognised that Technical Co-ordination of the C&S work is virtually a full time job for one person and some mechanism needs to be found to fund this task. The C&SMWG addressed this in a resolution to CHRIS 14.

6. Problems:

To assure constant engagement of the IHO in the issue of presentation of charted information, the most pressing problem for the C&SMWG is financial support for a Technical Co-ordinator and to pay for contracts for the maintenance of the Presentation Library.
