

15th CHRIS MEETING
IHB, Monaco, 10-13 June 2003

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

for year 2002/2003

(by Mathias Jonas, mathias.jonas@bsh.de, Germany)

- 1. Chairman:** Dr. Mathias JONAS (Germany)
- Technical Co-ordinator:** 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, IHB
- 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), Furuno Finland, Transas Group, Raytheon Marine, C-Map, Kelvin Hughes, HSA, DERA, USCG, SAM Marine Electronics, CIRM, IEC TC80, DnV Type Approval, Wismar University
- 3. Meetings:** 14th Meeting, CHS, Ottawa, Canada, 19-21 May, 2003.
- 4. C&SMWG work results:**
- Final drafting of Edition 4.2 of S-52 App.2 “Presentation Library User’s Manual” and Ed. 3.3 Annex A, ECDIS Presentation Library
 - Official issue October 2003,
 - Mandatory application for new development of ECDIS to be type approved from the month of issue 2003,
 - Mandatory updating of already type approved ECDIS from 1. January 2005.
 - Important new issues included in new editions:
 - Inclusion of all amendments made since 1997
 - Revised conditional symbology procedures
 - Colour calibration procedures for flat panel displays
 - Substitution of the five colour table model by an improved, easier to use three colour table model
- New releases for ECDIS manufacturers convenience:**
- Paper based description of symbols contained in S-52, App. 2, Annex A, Presentation Library,
 - Digital Chart 1 of ECDIS symbols for onboard use in tiff format,
 - Series of chart plots showing symbology of Preslib Ed. 3.3 based on IEC Test Data Set for ECDIS.

- Extensive use of IHO website**
- Taking example from TSMAD C&SMWG decided to establish a S-52 C&S FAQ area and a S-52 C&S Bulletin Board. The FAQ area is intended to give educated reply to specific C&S questions which are of public interest. The Bulletin Board area will be used to post recommendations and important amendment of the C&SMWG to the application of the Presentation Library. Each new entry within the noted areas needs positive vote of the C&SMWG members beforehand.
- 5. Revision of S-52 according to directions of CHRIS14**
- CHRIS14 directed technical working groups to sort out if operational requirements for navigation devices are contained within their particular standards and forward them to the responsibility of IMO. C&SMWG has already forwarded responsibility for Mariners Navigational symbols contained earlier in S-52, App. 2 to IEC/TC80/WG13 in order to concentrate solely on display requirements of ENC content. However, C&SMWG identified a number of operational aspects contained in S-52, Main document
- S-52, App. 1 Guidance on updating,
 - S-52, App. 3 Glossary of ECDIS related terms,
- C&SMWG consequently suggests to extract those operational requirements and forward them to IMO responsibility as well. In result of this extraction a future S-52 Edition could get rid of App.1 and App. 3 and the current App.2 could when consequently become the new S-52 Main document concentrating the scope of this IHO publication to the core issue of ENC display procedures.
- 7. Liaison with TSMAD for future S-57, Edition 4**
- On request of TSMAD, C&SMWG will initiate investigations:
- How to transform the Presentation Library notation to become compliant with ISO 19117, and
 - What could be potential presentation aspects of bathymetry data to be standardised?
- The second request raises the fundamental questions to CHRIS whether:
- Standardisation of presentation of bathymetry data is an issue of IHO, and if so
 - Which technical working group of CHRIS will take over this task?
- For this fundamental decision it should be considered by CHRIS that the display of bathymetry data is a **completely different task compared to “near paper chart”, two-dimensional presentation of ENCs** defined in S-52. Due to this it must be also stated that the HO employees and the majority of institutions who actively contribute to the work of C&SMWG have no or very low expertise in this new mode of hydrographic data presentation. For the possible dedication of this future standardisation task to C&SMWG the allocation of actively contributing experts would be the crucial first step.