

13th CHRIS MEETING
17-19 September 2001, Athens, Greece

MARINE INDUSTRY WORKSHOP
IHB, Monaco ;28-29 June 2001
(Neil Guy)

RAdm GUY (IHB Director) welcomed the participants and explained the background and purpose of the Workshop. There were essentially two aims:

- 1) To address a number of specific technical issues of concern to the IHO.
- 2) Revisit what could be a suitable mechanism for the IHO to interface with Industry

RAdm ANGRISANO (President, IHB) also welcomed the participants and gave an overview of how this Workshop could contribute to the overall strategic plan of IHO.

The Programme (Annex 1) was designed to allow for major industry and user participation. An accurate Record of the Discussions was made during the Workshop but the entire Workshop was also recorded to ensure that the valuable discussions that took place after each paper and during the last Session could be compiled into a comprehensive set of Proceedings. There are 24 tapes to process but the work is well advanced.

RAdm RICHARDSON (Port of London Authority) and VAdm J van AALST (Netherlands Maritime Court) presented papers from a users perspective. It was unfortunate that representatives from the shipping companies were unable to attend, as an appreciation of the success or problems on the introduction of digital charting from the mariners themselves would have been a great benefit. It was pointed out by those approached that generally the mariner was not in a position yet to judge any systems or charting options. It was hoped that they would be able to play a role by the time the next Workshop is held in 2002.

The second Session was intended to present aspects and considerations involved in the development and maintenance of standards. Mr M RAMBAUT (IEC) and Mr D O'BRIEN (IDON and ISO) presented papers highlighting the procedures involved in establishing an international standard and how possible confusion and time delays could be avoided. Doug O'Brien presented a structure for a standard that was used in ISO that could possibly eliminate some of the problems experienced by the IHO at present.

A Session was devoted to consideration of mechanisms for better and more informed decision-making within the IHO. IALA, as an international organization as opposed to an intergovernmental organisation, has had industry members for a long time. Mr P KENT and Mr G MÜCK, both long serving industry members of IALA gave overviews of how IALA was able to incorporate industry in such a way as to obtain the valuable contributions that these members can make. Mr T SVANES (C-Map Norway) presented the views of his organization on the possible relationship between the IHO and industry. As with all Sessions lively discussions took place. The intention was for all of these to be reconsidered in the final phase of the Workshop.

Much comment has been received by the IHB on the appropriateness of the Presentation Library This is therefore an important issue that the IHB needed clarification on. A Session was dedicated to the subject and Mr I WASKURI (Navintra) and Dr L ALEXANDER (University of New Hampshire) presented papers. After much discussion it became apparent that it was not necessarily the Presentation Library that was solely criticized but also the method of updating it that could have been incorrectly understood.

Two CHRIS Meetings and two WEND Meetings have considered the subject of a SENC Delivery option and it is hoped that the matter can be resolved at the next CHRIS Meeting in September 2001. It was important therefore that the views of the non-IHO community should be obtained. Mr R SANDVIK (PRIMAR) and Mr D D'AQUINO (C-Map) gave their views and as in previous Sessions much debate ensued. This was also one of the three major issues that the IHB was seeking industry input on.

The third major issue was the consideration of security schemes for ENC data. Mr A VOROBIEV (Transas) and Mr R SANDVIK (PRIMAR) presented papers that generated much discussion afterwards.

Mr M JONAS (BSH) gave an understanding of the requirements of the Type-Approval Authorities.

With the initiatives that have been taken in Europe and North America on implementing electronic charts on inland waterways a presentation on the subject was given by Miss C OBERHEIM (WSV des Bundes Germany) Concerns were expressed by the Workshop about the possible adaptation of S-57 and Mr J MIKALSEN (Konsberg-Simrad) described the problems with S-52 displays of ENC in Norwegian Fjords and on the Lower Mississippi

During the last Session all of the contentious issues previously presented in the Session were reconsidered and the feelings of the Workshop are briefly indicated as:

Standards: The IHO is already carefully considering the ISO proposals on the structuring of standards. In addition future updates to standards will be very carefully planned to ensure that the minimum amount of disruption occurs for all concerned.

Industry Relations The concept of an Open ECDIS Consortium (OEC) would be progressed within the IHO. The IHB would continue to maintain and improve a register of interested parties and to convene regular IHO/Industry Workshops.

Presentation Library No action was deemed necessary and future development of the PL could be undertaken using the existing mechanisms.

SENC Delivery Most of the industry representatives present were in favour of SENC Delivery as an option but reservations were expressed by a number of the participants and it was clear that clarity will have to be reached at the next CHRIS Meeting for this to be generally accepted.

Security Schemes The Workshop recognized the two aspects of the problem were the integrity of the data and the protection of copyright. It was felt that the first problem could be solved by the acceptance of the PRIMAR Digital Signature. Further consideration will have to be given to the acceptance of the PRIMAR Security Scheme by the IHO if it was to protect the copyright of the data. It was hoped that the next CHRIS Meeting could address the matter successfully.

Type Approval A call was made for our standards to be clear and unambiguous to avoid difficulties in establishing both test data sets and type-approval mechanisms.

The participation by the attendees to the Workshop was both vigorous and constructive. The IHO and the IHB in particular gained a significant amount from the comments made. Opinions expressed both during and after the Workshop indicated that the holding of Workshops of this nature was extremely valuable.

MARINE INDUSTRY WORKSHOP
IHB, Monaco, 28-29 June 2001

PROGRAMME

Thursday 28 June, 9:00

1. **WELCOME AND ARRANGEMENTS** *N. R. Guy, G. Angrisano*

2. **INTRODUCTION AND VIEW OF USERS** *B. Richardson
J. van Aalst*

C O F F E E B R E A K

3. **DEVELOPMENT AND CONTROL OF STANDARDS** *G. Büttgenbach
M. Rambaut, D. O'Brien*
Is the present system for the development and Maintenance of ECDS related standards efficient?
What other standards and harmonization should be considered?
What mechanism can be implemented to facilitate greater industry participation in IHO standards development?

L U N C H 12:30

4. **MECHANISMS FOR MORE INFORMED DECISIONS MAKING** *P. Kent, G. Müick,
T. Svanes*
Are all competent parties involved?
Is there need for a continuous process of consultation?
Are there realistic, up-to-date, and feasible recommendations that can be put to the IHO for consideration?

C O F F E E B R E A K

5. **THE PRESENTATION LIBRARY** *I. Waskuri, L. Alexander*
What are the shortcomings related to the Presentation Library?
What can be done to eradicate the most significant of these shortcomings?
Are there recommendations that can be put to the IHO for consideration?

Reception on the IHB Terrace, 18:00

Friday 29 June, 9:00

6. ENC DELIVERY MECHANISMS

*R. Sandvik
D. D'Aquino, P. Duré*

What are the various "ENC Delivery" mechanism options?
What could be the implications of these options be on the requirements for safe navigation?
What are the appropriate mechanisms for navigation data distribution?
Is there urgency for these to be considered?
Are there recommendations that can be made to the IHO for consideration?

C O F F E E B R E A K

7. SECURITY SCHEMES AND DATA INTEGRITY MECHANISMS

A. Vorobiev, R. Sandvik

What are the requirements for, and the acceptability of, ENC/RNC security/integrity schemes?
What are the cost-effective and feasible approaches to data security/integrity schemes?
Are there recommendations that can be made for IHO consideration?

8. TYPE APPROVAL CONSIDERATIONS

M. Jonas

As there significant impediments to the type approval process?
What remedies could overcome these impediments?
What recommendations can be made for IHO consideration?

L U N C H 12:30

9. ADDITIONAL USES OF ECDIS AND S-57

C. Oberheim

Are there additional uses for ECDIS or S-57?
What is the significance or requirements of these uses to IHO standards and responsibilities?

C O F F E E B R E A K

10. GENERAL DISCUSSIONS

N.R. Guy

Consideration and confirmation of technical recommendation to be made to the IHO.
Consideration and confirmation of recommendations to the IHO for future liaison between the IHO and other role-players related to hydrography.

11. CLOSURE, 17:00