

20<sup>th</sup> CHRIS MEETING  
Niteroi, RJ, Brazil, 3-7 November 2008

Paper for Consideration by CHRIS  
**OUTCOMES FROM THE S-101 USER REQUIREMENTS  
WORKSHOP**

<b>Submitted by:</b>	IHB, Chairman TSMAD
<b>Executive Summary:</b>	This paper summarizes the outcomes of the S-101 User Requirements Workshop that may be relevant to the work of CHRIS.
<b>Related Documents:</b>	CHRIS Work Programme
<b>Related Projects:</b>	None

### Introduction

1. The Chairman of TSMAD invited a range of Expert Contributors to a workshop at the IHB from 4 to 6 March 2008. The purpose of the workshop was to provide initial guidance to the TSMAD Task Groups assigned to develop the first draft of S-101 - *ENC Product Specification*.
2. A wide range of stakeholder groups was represented including ECDIS equipment manufacturers, maritime administrations, ship management companies, mariners, and ENC software houses. The leaders of the relevant TSMAD teams also attended.

### Outcomes

3. The participants covered a wide range of topics and provided the S-101 group leaders with a range of options together with their benefits and consequences to the stakeholder community. In addition, the stakeholder group raised a number of matters for consideration by the relevant IHO bodies. The issues are listed below. Where appropriate the appropriate body to address the issue is identified.
  - a. S-101 should describe the ENC product produced by HOs – not the product finally delivered by a Distributor.  
- Possible action: TSMAD/S-101 TG
  - b. Dynamic tides should be implemented in ECDIS as soon as possible with appropriate safeguards being put in place. See paper CHRIS20-5.1C.  
- Possible action: TSMAD/CSMWG
  - c. An MIO is an appropriate way to deal with tidal stream information.  
- Possible action: TSMAD/SNPWG/[HGMIO]
  - d. ENC licences and permits should not require significant end-user management or intervention. Simplification of the processes is required to make it less complicated for the customer.

- Possible action: IHO MS/RENCs/WEND/DPSWG
- e. The IHO through the IHB should participate in the IMO Subcommittee on the Safety of Navigation (NAV) Work Item concerning maintenance of navigation software, to seek a logical division between type approval for hardware, software and software updating.
- f. IHO S-52 - *Specifications for Chart Content and Display Aspects of ECDIS* requires major revision. This will require expert contributor input and most likely will involve specialist contractor support to achieve.
  - Possible action: CSMWG
- g. An implementation schedule is required for S-101 as soon as possible to enable stakeholders to make appropriate investments and planning.
  - Possible action: TSMAD

#### **Action Required of CHRIS**

4. The CHRIS is invited to:
  - a. **Note** this report.
  - b. **Identify** appropriate actions for relevant CHRIS bodies