

**3rd IHO-HSSC Meeting
IHB, Monaco, 8-10 November 2011**

Report of the Marine Spatial Data Infrastructure Working Group

Submitted by:	Chairman, MSDIWG
Related Documents:	None
Related Projects:	None
Chair:	Maureen Kenny, USA
Vice-Chair:	Vacant
Secretary:	Vacant
Member States:	Argentina, Australia, Brazil, Canada, Cuba, Denmark, Estonia, Finland, France, Germany, Italy, Japan, Korea (Rep of), Latvia, Nigeria, Netherlands, Norway, Portugal, Romania, Slovenia, Spain, Singapore, Sweden, Ukraine, UK, USA
Expert Contributor Organisations:	John Pepper Consultancy Ltd; CARIS; University of Melbourne, Australia; Ocean Wise Ltd
<i>See Annex A for full details of membership</i>	

Activity during Reporting Period

Conference Call (active MS)	Telephone, WebEx	8 September 2011
Conference Call (active MS)	Telephone, WebEx	13 September 2011

The working group also corresponded via E-mail.

Work Program

The working group was basically inactive as a group since the last report to the HSSC. The Chair and previous Chair, now an expert contributor, reviewed the UN Report to the Secretary on Global Geospatial Information Management, and associated documents, and offered input for the IHB. The Chair gave a presentation on behalf of the IHO at the BLAST Conference on spatial data infrastructure, the IHO, and the working group. Some working group members continued participating in SDI conferences, meetings, and Regional Hydrographic Commission meetings and moved forward with SDI initiatives in their own countries.

Based on input from the two MSDIWG conference calls held in September 2011, a draft work plan (Annex B) has been developed by the active working group representatives. It is being vetted through the entire group in October 2011.

The September discussions looked closely at the roles and responsibilities of the group and discussed how best to serve the IHO and MS. It was felt the group might best function as an expert group or discussion forum offering best

practices, education, answers to queries, and guidance. The work plan includes an investigation of how this might be accomplished within the IHO structure with the aim to offer the HSSC a recommendation at next year's annual meeting. Moving toward this possible reinvention of the group, a method of offering educational material to MS on MSDI via the IHO Web site will be explored with the IHB with the intention of offering periodic papers and presentations on SDI on the site.

The working group also plans to focus in 2012 on prioritizing the most important data layers from ENC's that could be made available by the Hydrographic Offices to the general non-navigational community. In addition, sample Web portals following good SDI principles will be showcased in a method yet to be determined on the IHO Web site.

In 2008, the MSDIWG issued an audit via a circular letter to MS to establish their level of knowledge and understanding of the benefit on supporting National spatial data initiatives and their capability in supporting SDI development. In addition, input was solicited on expectations 3 years out, upcoming activities, and plans in this arena. As 3 years have now passed, it may be useful to recirculate the questionnaire to determine how MS have progressed and to determine the need for IHO support. The MSDIWG is proposing reviewing the 2008 questionnaire to evaluate the usefulness of gathering further information, and updating as needed the questionnaire if it is felt it would be informational.

A revised draft work plan can be found in Annex B.

Progress on HSSC Action Items

Action Number HSSC2/15 is completed for the MSDIWG. No documents available to the public generated by this group refer to the old index numbers in the printed versions of S-32.

Problems Encountered

The working group has found it difficult to monitor national and international SDI activities up to this point. The only way to gather complete information is via audits with MS and yearly audits was not considered an acceptable or desirable option. Therefore, as the 2008 audit gathered information on the expectations of MS on where they would be in 2011, the group feels this year it is appropriate to send out the audit again. In the 2012 report, it is expected the working group will be making a recommendation to revise the terms of reference with regards to the procedure; however, it can be accomplished this year.

Any Other Items of Note

None

Conclusions and Recommended Actions

The HSSC is recommended to endorse HSSC2-05.7C and the work plan in Annex B.

Justification and Impacts

None

Action Required of HSSC

The HSSC is invited to:

- a. **note** this report
- b. **agree** the continuation of MSDIWG under its current Terms of Reference
- c. **agree** the work plan in Annex B

Marine Spatial Data Infrastructure WG (MSDIWG)**Membership List**

(20 June 2011)

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IHO Marine Spatial Data Infrastructure Working Group Work Plan 1/2011

- A Investigate methods for IHO to support MS' capability development in MSDI
- B Monitor national and international marine SDI activities and liaise to increase visibility
- C Identify and recommend possible solutions to significant technical issues related to interoperability

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s)	Related Pubs/Standard
A.1	Add educational content to IHO Web site on MSDI	M	Set up schedule for presentations/papers from WG members/ others to be developed and offered via Web site for 2012 Post presentations/ papers	Oct 2011 Jan 2012	Dec 2011 Ongoing	P	Chair/Vice Chair; MSDIWG	
A.2	Investigate options through IHB to transition/integrate team to discussion forum group or group of experts	H	Compile list of options Make recommendations to HSSC	May 2012 Aug2012	Aug 2012 Sep 2012	P	Chair/Vice Chair; MSDIWG	
B.1	Reissue 2008 questionnaire (updated) if appropriate	M	Review 2008 survey and determine possible gain from a second survey Prepare updated questionnaire Analyze and report on results	Oct 2011 Jan 2012 Jun 2012	Dec 2011 Mar 2012 Sep 2012	P	Chair/Vice Chair; MSDIWG	Results from 2008 survey (available from IHB)

Task	Work item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s)	Related Pubs/Standard
C.1	Identify and make available MS Web sites/papers that address technical issues such as datums, Web services for charting data (e.g., WMS, WFS)	M	Poll WG members for input Work with IHB to place on IHO Web site Poll MS via questionnaire if reissued	Nov 2011 Feb 2012 Mar 2012	Ongoing Ongoing Aug 2012	P	Chair/Vice Chair; MSDIWG	
C.2	Prioritize data layers useful to non-navigational community	M	Establish top 20 list	Apr 2012	Jun 2012	P	Chair/Vice Chair; MSDIWG	S-57
C.3	Liaise with TSMAD about S-100 use in support of SDI activities including INSPIRE	L L	Determine if issues of concern exist in WG over new standards Obtain feedback from TSMAD on MSDIWG group-established topics	Oct 2011 Jan 2012	Dec 2011 Feb 2012	P	Chair/Vice Chair; MSDIWG	

H = High, M = Medium, L = Low
P = Planned, O = Ongoing, C = Completed

MSDIWG Meetings

Date	Location	Activity
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8 Sep 11	Conference Call	
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13 Sep 11	Conference Call	
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Working group is also corresponding via E-mail

Chairman: Maureen KENNY, USA Email: Maureen.Kenny@noaa.gov

Vice-chairman: Vacant Email:

Secretary: Vacant Email: