



Hydrographic Services and Standards Committee

Report of the Marine Spatial Data Infrastructure Working Group (MSDIWG)

to HSSC 5

5-8 November 2013, Shanghai, China

Presented by Mr. Jens Peter Hartmann (MSDIWG Chair)

# Principal activities and achievements

## ✦ Engagement

- 25 Member states
- 6 organisations including commercial companies

## ✦ Meetings

- ✦ MSDIWG5 took place on 31 January and 1 February 2013 in Copenhagen, Denmark.

## ✦ Next Planned Meeting

- ✦ The 5th MSDI meeting will take place in Silver Spring, Maryland, from Wednesday 5th- Friday 7th February



# Problems or outstanding issues

The following challenges IHO MS face were identified from the questionnaire results and from the collective input of MSDIWG4 attendees and the Open Forum:

- ✦ Supporting IHO MS
- ✦ Sharing knowledge and experience across the HO community
- ✦ Putting technology at the heart of operations
- ✦ Intellectual Property, reliability of data, copyright and rights management initiatives making access to all data easier



# Problems or outstanding issues

The MSDI WG considered the need to propose changes to the MSDI WG Terms of Reference which were subsequently discussed and agreed.

They now include a vision “to place hydrography, and its value to social and economic development, at the heart of Spatial Data Infrastructures (SDI’s) across the World” as well as an objective “to enable IHO Member States to develop their capability to engage and participate in regional and / or national MSDIs, and implement SDI principles and the benefits they bring”.

A proposal for draft revised Terms of Reference for the MSDI WG is attached as Annex C.



# Problems or outstanding issues

- ✦ Resources
- ✦ GGIM/FIG
- ✦ Duplication of effort



# Draft BS MSDIWG Work Plan

Task	Work item	Milestones	Coordinator	Status
1	Hydrographic data and legal aspects	<ul style="list-style-type: none"> <li>- Study and definition on hydrographic data under the respect of INSPIRE and MSP</li> <li>- Definition of HO role in MSDI</li> <li>- Paper on BSHC MS contribute with relation to MSDI</li> <li>- Study on different laws with relevance to MSDI in the Baltic countries</li> </ul>	Latvia Denmark	
2	Liaison with external projects	<ul style="list-style-type: none"> <li>- Establish a list of MSDI relevant projects</li> <li>- Scanning of projects relevant for BSMSDI</li> <li>- Establishing a matrix with relevant projects</li> </ul>	Germany	
3	S 100	<ul style="list-style-type: none"> <li>- Conduct a study on S 100</li> <li>- Evaluate on how to promote S 100 in the Baltic</li> <li>- Prepare paper to HSSC through BSHC</li> <li>- Evaluate the need for a pilot project</li> </ul>	Germany Latvia	
4	INSPIRE	<ul style="list-style-type: none"> <li>- Study on IHO standard S 57 in relation to INSPIRE</li> <li>- Study on legal binding compared to INSPIRE</li> <li>- The difference between S 57 and S 100</li> </ul>	Estonia	
5	MSP and IZM	<ul style="list-style-type: none"> <li>- Conduct a study on national approach to MSP</li> <li>- Prepare paper to HSSC through BSHC if needed</li> <li>- Evaluate the need for a pilot project</li> </ul>	Denmark Latvia	
6	Common understanding	<ul style="list-style-type: none"> <li>- Establish a framework for common understanding of MSDI</li> </ul>	Latvia	
7	Technical solutions in the Baltic	<ul style="list-style-type: none"> <li>- Study on the possibility to establish a BSHC metadata base</li> <li>- Study on MSDI impact on E-navigation and how MSDI can contribute to the implementation of E-navigation</li> <li>- Establishing use cases e.g. MSP, SAR, Environmental protection</li> <li>- Evaluate the need for updating BS MSDIWG ToR</li> </ul>	Denmark Estonia Denmark	

# Future work programme

The main topics and ideas in establishing a new work plan has been:

- ✦ Prepare a paper to be submitted to HSSC5
- ✦ Liaise with other IHO bodies
- ✦ Set up an INSPIRE Task Group
- ✦ Set up a Working Group to further develop syllabi for MSDI and associated learning subjects.



# Future work programme

The work programme is divided in 4 initiatives.

- ✦ Initiative 1: Review of progress across the Marine Sector; 10 tasks
- ✦ Initiative 2: MSDI and Member States – Review and Status report; 4 tasks
- ✦ Initiative 3: What needs to be done – A practical approach to MSDI implementation; 7 tasks
- ✦ Initiative 4: Supporting MSDI Implementation - Training and Communications: 7 tasks

A draft work plan is attached as Annex B.





# Future work programme

## IHO-EC meeting

- ✦ Liaison with other organisations
- ✦ Identify and recommend possible solutions to significant technical issues related to interoperability
- ✦ Provide updated information on all European Marine/Maritime initiatives
- ✦ Liaise with TSMAD
- ✦ Determine hydrographic data set(s) that should be included in MSDI



# Future work programme

## Progress on HSSC Action Items

Action HSSC4/32 is for MSDIWG4" to consider, within its work plan, the development of content for an "introduction to MSDI" training course ".

4.1 Identify the need for education and training among the Member States and report to WG Chair.

4.2 Establish a MSDI training syllabus for use across IHO community.

4.5 Provide MSDI educational content to IHO Web site.



# Action requested of HSSC

## Conclusions and Recommended Actions

- ✦ The work in the MSDIWG is well underway and a new work plan has been established.
- ✦ The new work plan will establish the framework for the WG, in order to cope with the challenges in a forward-looking perspective.
- ✦ HSSC5 is recommended to endorse the continued activity of MSDIWG.



# Action requested of HSSC

- ✦ The HSSC is invited to:
  - a) consider the suggestions made in the MSDIWG report;
  - b) endorse the MSDIWG report;
  - c) consider the suggested changes to the MSDIWG Terms of Reference;
  - d) approve the suggested changes to the MSDIWG Terms of Reference;
  - e) approve the MSDIWG work plan.

