International Hydrographic Organization

South Africa & Islands Hydrographic Commission

10th Meeting – Lisbon, Portugal

17-18 September 2013

MSDI Working Group – Draft Work Plan 2013-18

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MSDIWG Secretary

MSDIWG Terms of Reference

Objective

To support the SDI activities of the IHO globally

Authority

The Working Group (WG) is a subsidiary of the Hydrographic Services and Standards Committee (HSSC). Its work is subject to HSSC approval.

Role and Responsibilities

a) Monitor national and international SDI activities and present information on those activities to HSSC Members by correspondence and at the annual meeting.

b) Promote the use of IHO standards and member state marine data in SDI activities.

c) Liaise, as appropriate, with other bodies responsible for Oceanography, Bathymetry and Marine Geophysics, to increase the visibility of marine spatial data.

d) Propose any Technical and/or Administrative Resolutions that may be required to reflect IHO involvement in the support of SDI.

e) Identify actions and procedures that the IHO might take to contribute to the development of Spatial Data Infrastructure (SDI) and / or MSDI in support of Member States.

Role and Responsibilities (2)

f) Determine any actions that the IHO and individual M/S might take to forge links with other bodies (e.g. OGC, ISO TC211, IOC) to ensure M/S are best placed to meet the developing challenges associated with data management and governance.

g) Identify and recommend possible solutions to any significant technical issues related to interoperability between maritime and land based inputs to SDI, and in particular:

- Datum issues
- S-100 interoperability with SDI
- S-100 interoperability with oceanographic, marine biological, geological and geophysical data structures

h) Identify any IHO capacity building requirements.

i) The WG should normally work by correspondence. When meetings are scheduled; they should not occur later than nine weeks before the HSSC meeting to ensure its Annual Reports is submitted on time,

2013-18 Work Plan Initiatives

1: MSDI - Review of progress across Marine Sector

2: MSDI and Member States - review and provide status report

3: What needs to be done - A practical approach to MSDI implementation!

4: Supporting MSDI Implementation - Training and Communications

1. MSDI - Review of progress across Marine Sector

1.1 Conduct a review of MSDI that includes conceptual descriptions of the four sub-areas of MSDI:

a) **Technical issues**

   – Data harmonisation (i.e. Land-Sea)

   – Data sharing and publishing

b) **Governance**

   – Change management

   – Intellectual property

   – Copyright and licensing

   – User requirements

c) **Standards and specifications**

d) **Content (data)**

1. MSDI - Review of progress across Marine Sector

1.2 Liaison with other organisations to identify new uses for data. Identify value of HO data to economic development (e.g. MEIP)

1.3 Establish an IHO MSDI community Wiki

1.4 Maintain and extend Publication IHO MSDI C-17

1.5 Identify and recommend possible solutions to significant technical issues related to interoperability

1.6 Provide updated information on all European Marine/Maritime initiatives

2. MSDI and Member States - review and status report

2.1 Prepare an MSDI review and status report, that identifies examples of MSDI best practise. This activity is a standing MSDIWG Agenda item

2.2 Set up Review Group to audit MS's to establish current position in respect of benefits and challenges faced by MS's role in NSDI and/ or MSDI

2.3 Monitor and report on national and international MSDI activities and report to increase visibility of hydrographic importance (as MSDIWG Standing agenda item)

2.4 Create relevant use cases from potential users of MSDI.

3. A practical approach to MSDI implementation

3.1 Develop an MSDI WG strategy and revise work plan as necessary

3.2 Build a "template" business case for MSDI (including economic and socio economic benefits)

3.3 Create or facilitate development of pilot MSDI projects with Member States

3.4 Liaise with TSMAD regarding level of S-100 understanding and use in support of SDI activities (e.g. INSPIRE)

3.5 Launch an IHO "discovery" meta database, based on open-source technology which allows harvesting of information from IHO MS at regional level

3.6 Determine hydrographic data set(s) that should be included in MSDI

3.7 Develop understanding of e-Navigation, its constituents and the role of MSDI as an enabler

4. Supporting MSDI Implementation - Training and Communications

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

4.3 Organise Annual MSDIWG 1-day conference/open forum, as back to back arrangements with MSDIWG Annual Workshop.

4.4 Organise and deliver MSDIWG 2-day Annual Workshop

Note: 2014 events to be held w/c 3rd February at NOAA, Washington, USA

4.5 Provide MSDI educational content to IHO Web site

4.6 Develop external communications programme to promote the work of the WG (e.g. to Maritime Press; IMO, IOC/IODE/FIG/EC) and internal communications programme using IHO website (Ref 4-5) and e-mail blasts for MSDI news and related hot topics

4.7 Ensure IHO (Res 2/1997 as amended) is upheld at all RHC's in that MSDI is a standing reporting agenda item

How to get involved in the MSDIWG!

We need IHO MS' to get involved through:

- Joining MSDIWG

- Joining Work PlanTask and / or Expert Groups

- Attending MSDIWG No 5

- Contacting the Chairman (Jens Peter Hartmann,GST)

- Vice-Chair (Ellen Vos, Netherlands Min of Defence) or

- Secretary to MSDIWG (John Pepper, JPC Ltd)

A considerable amount of work to do!

Any questions ?

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