

Proposed revision of the Draft IHO Marine Spatial Data Infrastructure Working Group (MSDIWG) Work Plan

MSDIWG WORK PLAN 2014–15 v2.0

MSDIWG Tasks

A	Identify and promote national and regional best practices: - for land-sea integration - for cross-border integration
B	Review the appropriateness of existing standards for the provision of the maritime components of spatial data infrastructures
C	Develop content for an MSDI training course
D	Maintain MSDI reference documentation on the IHO website
E	Maintain and extend Publication IHO MSDI C-17 (IHO Task 2.9.2 refers)
F	Conduct annual meetings of MSDIWG, arranged back to back with 1-day MSDI Open Forum (IHO Task 2.9.1 refers)
G	Ensure that MSDI is a standing agenda item for RHCs' meetings (IHO Res 2/1997, as amended, refers)

Ref	Task	Activities	Priority H-high M-med L-low	Actions	Start Date	End Date	Status P-planned O-ongoing C-completed	Responsible / contact person(s)	Related Pubs / Standard	Remarks
A	Identify and promote national and regional best practices:	To consider the impact of the UN- GGIM initiative, taking into account the items identified in paragraph 11 of HSSC5-05.7B	H	Land-sea integration Cross-border integration	Mar 2014	2016	P	GeoSci (Aus), DK, FR, JP, SP, US	GGIM -3. UNITED NATIONS E/C.20/2013 /10/Add.1	http://ggim.un.org/ggim_committee.html

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A.1		Create relevant use cases, from potential users of MSDI	H	1.1. Provide examples of generic providers of relevant data 1.2 Provide examples about user requirements	Jun 2014	Feb 2015	P	GeoSci (Aus), DK, FR, JP, SP, US		Report to MSDIWG-6
A.2		Set up a survey to establish current position in respect of benefits and challenges faced by MS's role in NSDI and/ or MSDI	M	2.1. Prepare questionnaire to investigate challenges and benefits in relation to MSDI 2.2. Circulate questionnaire to MS 2.3 Analyse results and use to update C-17 and on-line resources (Ref:Task D)	Apr 2014 May 2014 July 2014	May 2014 June 2014 Aug 2014	P	GeoSci (Aus), DK, FR, JP, SP, US		Report to HSSC-6.Nov 2014
A.3		Monitor and report on national, regional and international MSDI activities and report to enable increased visibility of hydrographic importance	H	3.1 Identify relevant initiatives 3.2 Engage with relevant initiatives	Apr 2014	Feb 2018	O	GeoSci (Aus), DK, FR, JP, SP, US		Report to MSDIWG-6

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B/B.1	Review the appropriateness of existing standards for the provision of the maritime components of spatial data infrastructures	Liaise with TSMAD regarding level of S-100 understanding and use in support of SDI activities (e.g. INSPIRE)	H	B.1.1 Identify new S-1XX data specifications for datasets in MSDI B.1.2 Determine and log any issues of concern in WG regarding new standards and obtain feedback from TSMAD on them	Feb 2014 Feb 2014	Feb 2018	O	NL, NO, UK Caris,Envitia,	INSPIRE, Draft EC Directive on MSP and ICM	Report to MSDIWG-6
C	Develop content for MSDI training course(s)		H		Mar 2014	Jan 2018	P	Esri, USA, OceanWise		Report to MSDIWG-6
C.1	Identify the need for education and training among the Member States and report to WG Chair C.1.1 Develop and deliver training and education events as required C.1.2 Investigate the possibilities to arrange an IHO INSPIRE Workshop with EC-JRC	Determine which HOs in Europe (via Poll) are interested to have training involving EC-JRC (INSPIRE) & DG MARE (MSP Directive) <ul style="list-style-type: none"> Harness the relationship between IHO and JRC Gain greater working understanding/knowledge of EC INSPIRE and Marine Data Governance 	H	Prepare a short paper and questionnaire for IHB to send out to the EC MS. Assuming positive response, produce a programme 1.5 day workshop arranged by IHB	Mar 2014 Mar 2014	Feb 2015 July 2014	P P			

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C.2	Establish a MSDI training syllabus for use across IHO community aimed at: Senior Managers (i.e. Directors, Hydrographers, HR Managers); Practitioners (i.e. Hydrographic Surveyors, Cartographers, Oceanographers, IT specialists)	C.2.1 Develop topic areas (vice syllabus) for various levels:	H	<ul style="list-style-type: none"> • Senior Managers (1 day) • Middle Managers (2 day) • Tech Staff (5 day) 	Mar 2014	Oct 2014	P	Esri, USA, OceanWise	IHO Pub: C-17	
		C.2.2 Prepare proposal for IHB on Website On-line training resource capability	M	To include provision of training opportunities, short training sessions, links with on-line resources, case studies, technical reports)	May 2014	Aug 2014	P	Esri, USA, OceanWise		
		C.2.3 Provide input to IHB for the design and development of the Website for virtual training	M	Link to Task D.1.3	Oct 2014	Feb 2015	P	Esri, USA, OceanWise		
D/D.1	Maintain MSDI reference documentation on the IHO website	D.1.1 Prepare a proposal to MSDIWG on re-structuring the MSDIWG page on the IHO website.	H	Deliver to MSDIWG6	June 2014	Feb 2015	P	Esri,IHB,DK		
		D.1.2 Request relevant MSDI information from IHO Member States.	H	CL sending questionnaire	Oct 2013	Feb 2015	P			
		D.1.3 Collect education information relating to MSDI, in coordination with sub-group C.	M	On Completion of task C.2.	Oct 2014	Feb 2015	P			

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E	Maintain and extend Publication IHO MSDI C-17 (IHO Task 2.9.2 refers)		H		Mar 2014	Oct 2015	P	GeoSci (Aus), USA, FR, NL, RO	CBSC MSDI Syllabus, INSPIRE, OGC, ISO, IHO, RHC reports, MSDIWG MS inputs	
E.1	Conduct a review of MSDI that includes conceptual descriptions of the four sub-areas of MSDI as	E.1.1 Technical issues E.1.2 Governance E.1.3 Standards and specifications E.1.4 Content (data)	H	Review C-17 for updating/restructuring/additions/modernizing <ul style="list-style-type: none"> • Alignment with OGC • Provide changes as a result of the MS survey in Task A • Update information • Provide case studies – see Task A • Best practice guidelines defined – see Task A • Define publishing mechanism for sharing data <p>Ref Task A: Assist with questionnaire development for MS survey based on the review of C-17</p> <p>Ref Task A: Update C-17 Annex A, SDI References (consider using survey to assist in update)</p>	Mar 2014	Feb 2015	P			Discuss and review survey results at MSDIWG6 to determine next steps

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E.2	Monitor technical developments in relation to MSDI	E.2.1.Review GGIM and OGC Oil Spill Results for relevance to C-17 E.2.2 Chair to request WG Members to notify twice yearly about developments that have occurred or are coming that may affect MSDI and/or C-17	H	Define the scope of the work related to interoperability Monitor developments Provide status report to MSDI WG including recommendations on how to proceed Standing WG Agenda item	Jun 2014	Feb 2018	P	GeoSci (Aust), USA, FR, NL, RO	TSMAD	
E.3	Determine hydrographic data set(s) that should be included in MSDI	E.3.1 Prepare MS survey questionnaire based on WG responses (Top 10 list), requesting MS to prioritize and add any new ones E.3.2 Publish priority list of top data layers on IHO Website	H	Prioritize data layers by usefulness to non-navigational sectors Identify priority order of importance (High, medium, low) Identify "core" reference datasets for MSDI Establish top 10 list Define publishing mechanism for sharing data	Mar 2014	Feb 2015	P	Geo-Sci (Aus), USA, FR, NL, RO		

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F	Conduct annual meetings of MSDIWG, arranged back to back with 1-day MSDI Open Forum (IHO Task 2.9.1 refers)				Sept 2013	Feb 2018	O	UK, Esri, OceanWise, IHB		
F.1	Organise Open Forum and MSDIWG6	F.1.1. Identify HO to host WG6 and Open Forum	H	Confirm venue, dates and agenda, logistics	Mar 2014	June 2014	O	UK, OceanWise		UKHO to host In hand
		F.1.2 Form task team to develop content for Open Forum 2015	H	Plan programme and topic areas, Invite speakers and stakeholders	July 2014	Sept 2014	P			
		F.1.3 Arrange MSDIWG Agenda, Workshop programme and task group topics	H	Review Action Plan and report Develop agenda and circulate	Sept 2014 Nov 2014	Oct 2014 Nov 2014	P P	Chair, Vice-Chair and Secretary		

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G	Ensure that MSDI is a standing agenda item for RHCs' meetings (IHO Res 2/1997 as amended)		H		Feb 2014	Feb 2018	O	UKHO, Esri OceanWise		HSSC, IRCC, CBSC
G.1	Provide position paper to IRCC 2014 on MSDI and its importance to IHO	G.1.1.First draft for circulation	H	Circulated to HSSC Chair for comment by end March	Mar 2014	March 2014	C			
		G.1.2 Include comments and prepare final version	H	Submit to IRCC secretary	Apr 2014	Apr 2014	P			
		G.1.3 Present to IRCC 2014 on the value and benefit to be derived by HO from MSDI	H	Aim is to reinforce the need for all RHC's to place MSDI as a standing agenda item	May 2014	May 2014	P			
		G.1.4 Provide a discussion paper on the role of HO's in the provision of e-navigation services	H	Reinforcement of importance of MSDI as an enabler to e-Navigation	Mar 2014	Apr 2014	P		Hydro Int Feb 2014 article by M. Bergmann	
G.2	Coordinate and collate all MSDI inputs and actions from RHC's to MSDIWG	G.2.1. MSDIWG to appoint a coordinator to collate MSDI status reports from RHC's	H	Coordinator appointed	June 2014	May 2018	P			
		G.2.2.Coordinator to ensure status reports feed into MSDIWG review of current practise	H	All reports delivered and collated as inputs to MSDIWG Action Plan	April 2014	2018	P			