



TSMAD 23
Agenda
Wellington, New Zealand
16th – 20th January, 2012

1. Opening and Administrative Arrangements

A. List of Documents

B. List of Participants

2. Approval of Agenda

3. Minutes of the 22nd TSMAD & 3rd DIPWG Meeting, 11-15 April 2011, Seoul, South Korea

Approval of 22nd TSMAD minutes

3.1 LIST OF ACTION ITEMS FROM TSMAD 22

No	Agenda	Action		Status
1	3.F	Prepare a paper for the HSSC 3 meeting proposing that S-100 should have a special dispensation with respect to revisions and corrections to the standard.	BG	Done
2	3.F	TSMAD members are to discuss the case for reinstating a special dispensation for maintaining S-100 with respect to revisions and corrections to the standard.	All	
3	6.2A	Draft a paper for the TSMAD23 meeting proposing that a register for INT1 references be established in the S-100 Geospatial Information Registry.	JW	
4	6.2A	Develop an encoding bulletin and UOC guidance to help resolve confusion concerning the use of foul area / foul ground.	JW	
5	6.2A	Develop an encoding bulletin and UOC guidance outlining	JW	

		how to encode wave energy devices and wave farms.		
6	6.2A	Prepare a paper for the next CSPCWG meeting regarding the registration of INT 1 reference numbers with a view to ensuring that discontinued numbers will not be reused.	JW	
7	6.2A	Develop an encoding bulletin and UOC guidance explaining the implications of CSPCWG amendments to INT1 references to small craft entries (yacht berths, yacht club ...) and the removal of all other references to INT1 Section U.	JW	
8	6.2A	Develop an encoding bulletin and UOC guidance for encoding CATSPM for floating waste bins. (JW)	JW	
9	6.2A	Develop an encoding bulletin and UOC guidance to provide guidance on the encoding of sub-surface ODAS devices.	JW	
10	6.2A	Develop an encoding bulletin and UOC guidance outlining how to encode floating wind turbines and wind farms.	JW	
11	6.2A	Develop a paper (for TSMAD 23) proposing how picture files should be formatted for optimal use in ECDIS systems.	RF	
12	6.2A	Circulate the rewrite of the entire paragraph 5 to review group for comment – response period of 1 week.	JW	
13	10.1B	Produce a paper for TSMAD 23 on Traffic separation schemes for inclusion in the next edition of the UOC.	JW	
14	10.1B	Provide information to IHB concerning the incorrect encoding of recommended routes (i.e. coordinate direction). Include information on how this could lead to safety related issues. There is also a requirement to identify other similar encoding issues and document these with recommended actions that should be followed.	JW	
15	10.2A	Test Card to be sent out to OEMs for review.	TR	Done
16	10.5.3	Include all edits resulting from the meeting discussion, and the send out a revised version of the UOC to all TSMAD members for comment - (1 month for responses).	JW / TP	Done
17	10.2B	Complete the explanatory documentation for the Test Data Pack Ver 1.1 and prepare a submission for HSSC 3.	TR	Done
18	11.1A	A correspondence group is to be established to investigate the tasks identified in the presentation by JP on the phased approach for implementing the full functionality of S-100 ENCs Phase 2. TR to lead the correspondence group. (Members JW, TR, GU, (Netherland - possibly). JP to circulate items in the presentation to corresponding group members.	JP/TR	
19	11.2A	TR is to provide TD with an S-101 conformant feature	TR / T	Done

		catalogue name for the conversion SW pack. TD to incorporate new FC name into the next version of the converter application.		
20	11.2A	TR is to distribute a list of fields that are missing from the converter application to members of the distribution list for verification. Once verified, TR is to add these to the feature catalogue as outlined by HB during the meeting. HB to provide the distribution list members with a recommended solution for making this machine readable so that it can be added to S-100. Distribution list: Julia Powell; Holger Bothien; Hugh Astle; Ed Kuwalek Tom Richardson; Greenslade Barrie.	TR HB	
21	11.2A	Spatial attributes have not been included in the FC, and information types for both QUAPOS and POSACC therefore need to be added.	TR	
22	11.3A	Produce a new diagram for inclusion in S-101 to illustrate how masking works.	TR	Done
23	11.5A	Continue the investigation on Scale Dependent and Scale Independent cells - taking into account comments and feedback provided by the working group.	TR / EM	
24	11.6A	The implementation rules for chart loading in ECDIS are to be re-edited and distributed to TSMAD members for comment. After approval they are to be included in the business rules section of S-101 - Phase 2.	JP	
25	11.11A	Carry out further study on text placement for portrayal in ECDIS – paper to be produced for TSMAD 23.	TR, TM, CI, HA, HP, OW	
26	11.13A	Based on the decision that the feature type approach (with geometry and themes) was the best way to convey update information in S-101 ENCs / ECDIS, a further study needs to be carried out and reported to TSMAD 23.	TR	
27	12.1A	Distribute S-102 for wider stakeholder community review.	WL	Done
28	12.1A	BG to add the S-102 product specification to the TSMAD report to HSSC3, for endorsement.	BG	Done
29		Develop a paper (for TSMAD 23) proposing how picture files should be formatted for optimal use in ECDIS systems. For FAQ	RF (6.2A)?	
30	INFO1	Get data covering a polar area for testing and for eventual inclusion in the TDS.	BG	

4 Matters arising

4.1 From HSSC 3

Action/Agenda No	Item	Who	Paper
4.1.1	TSMAD tasked to investigate expanding S-64 to improve its usefulness for both OEMs and type approval authorities.	TR	TSMAD23-4.1.1
4.1.2	<ul style="list-style-type: none">• In principle, accepted that a minimum validation check standard for ENC should be established using the “error” category in S-58• Agreed to restructure the S-58 standard into<ul style="list-style-type: none">▪ errors which must be corrected in all ENCs▪ “warnings” that require cartographic interpretation for a satisfactory solution▪ tests to be performed prior to data import in ECDIS,• Agreed that TSMAD investigate and propose how a minimum validation check standard can be achieved across all ENC providers, including the development of a use-case dataset. <p>Agreed that TSMAD develop, in consultation with stakeholders, a migration path and guidance for the establishment consistent tools for establishing a minimum validation check standard</p>		
4.1.3	<ul style="list-style-type: none">• Agreed that Resolution 2/2007 be amended to indicate that while S-100 is an IHO standard as defined in Resolution 2/2007, it should be subject to a different maintenance routine, in particular, that TSMAD may approve revisions and clarifications to S-100 when considered to be necessary.• Instructed the IHB to invite MS to adopt the changes described in paper HSSC3-05.1C (as amended during the meeting).		

4.1.4	<ul style="list-style-type: none"> • Confirmed that Resolution 2/2007 applies to the S-101 standard • Instructed TSMAD to conduct a formal impact study on S-101 in conformance with the requirements of Resolution 2/2007 taking into account paper HSSC3-INF4 and report to HSSC-4 		
4.1.5	<ul style="list-style-type: none"> • Did not agree to amalgamate TSMADWG and DIPWG as the Digital Chart Data Working Group (DCDWG) under new Terms of Reference as set out in Annex A. • Did not agree to Establish a Digital Data Technical Support Working Group (DDTSWG), under the Terms of Reference set out in Annex B. • Did not agree to transfer the role of the Data Protection Scheme WG to the S-100 Support WG (DDTSWG). • Did not agree the concept of an HSSC Technical Working Week comprising concurrent meetings of certain Working Groups under the coordination of a Digital Data Coordination Sub Committee • Did not agree to establish a Digital Data Coordination Sub Committee (DDCSC) under the terms of Reference and Rules of Procedure as set out in Annex C. • Did not agree that the new arrangements take effect on completion of the XVIIIth International Hydrographic Conference. 		
4.1.6	<ul style="list-style-type: none"> • Agreed a list of IHO technical standards that should be subject to the terms of Resolution 2/2007 • Recommended that MS adopt the agreed list as an Appendix to Res 2/2007 and instructed the IHB to circulate a proposed amendment to Res 2/2007 to Member States for adoption 		

4.2 Other Working Groups

Action/Agenda No	Item	Who	Paper
4.2.1	SNPWG – Npubs development impact on S-100?		
4.2.2	DIPWG – S-100 Portrayal Focus Group		
4.2.3	TWLWG – Tidal Data Product Specification(s)		
4.2.4	DQWG – DQWG Input to S-100 / S-101		
4.2.5	CPSCWG - Report	JW	TSMAD23 4.2.5

4.3 S-100

Action/Agenda No	Item	Who	Paper
4.3.1	S-100 Registry Status Report	BG	
4.3.2	UID's relationship to feature catalogues	TR	
4.3.3	S-100 Feature Catalogue Builder	TR	
4.3.4	Review of Hydro Registry Items	??	
4.3.5	Amendments to/NE of S-100 S-100 Maintenance proposal	BG LP	No paper TSMAD23 4.3.5A
4.3.6	S-100 Metadata Extension	JP/EK	TSMAD23 4.3.6
4.3.7	S-100 XML Encoding Supporting Documents (testdatasetroute.xml, S-100 XML Schema.xsd, RouteAppSchema.xsd, HSSC3-INF9, e-NAV10- INF7)	TR	TSMAD23 4.3.7 TSMAD23 4.3.7A

4.4 S-101 Encoding Guide Working Group

Report on the resulting actions from the S-101 sub working group

4.5 S-101

Action/Agenda No	Item	Who	Paper
4.5.1	S-101 Progress Report	JP	TSMAD23 4.5.1
4.5.2	Use of M_CSCL in S-101	JP	TSMAD23 4.5.2
4.5.3	Data Set Loading and Unloading	JP	TSMAD23 4.5.3
4.5.4	S-101 Update Information	TR	TSMAD23 4.5.4
4.5.5	Exchange Set Discussion Wrap-up	JP	TSMAD23 4.5.5
4.5.6	Support File Management	JP	TSMAD23 4.5.6

4.5.7	Metadata	JP/EK	TSMAD23 4.5.7
4.5.8	Outstanding S-101 Actions/Issues	JP	TSMAD23 4.5.8
4.5.9	Bridges in S-101	TR	TSMAD23 4.5.9
4.5.10	Text Placement in S-101	TR	TSMAD23 4.5.10
4.5.11	S-101 Scale Independent and Dependent data – Impact Review	TR/EM	TSMAD23 4.5.11
4.5.12	S-101 Impact study	France	TSMAD23 4.5.12
4.5.13	S-101 Data Quality Annex A – Draft of S-101 Chapter 6 – Data Quality Annex B – DQ proposals for Hydro Register	EM	TSMAD23 4.5.13 TSMAD23 4.5.13A TSMAD23 4.5.13B
4.5.14	S-101 DRAFT Implementation and Transition Plan	JP/EM	TSMAD23 4.5.14

4.6 New S-101 Features

Action/Agenda No	Item	Who	Paper
4.6.1	Update Information Feature Type Proposal	TR	

4.7 S-58

Action/Agenda No	Item	Who	Paper
4.7.1	Proposed Re-structure of S-58 See also; Review of S-58 Recommended ENC Validation Checks	JP/BG	TSMAD23-4.7.1 HSSC3-05.1B

4.8 S-57

Action/Agenda No	Item	Who	Paper
4.8.1	Production and Validation Solutions for Improving ENC Consistency	FH	TSMAD23-4.8.1
4.8.2	Reducing Data Volumes (Text and Picture files)		TSMAD23-4.8.2

4.9 Encoding bulletins

Action/Agenda No	Item	Who	Paper
4.9.1	Encoding Bulletins	TR	TSMAD23-4.9.1

4.10 Miscellaneous

Action/Agenda No	Item	Who	Paper

5. National Papers

Action/Agenda No	Item	Who	Paper
5.1.1	S-100 Route Exchange Format	UK	TSMAD23-5.1.1 TSMAD23-5.1.1A
5.1.2	Addition of QUASOU = 8 for DRGARE	US	TSMAD23- 5.1.2
5.1.3	Encoding of mangroves on ENCs	AU	TSMAD23-5.1.3
5.1.4	Sea Floor Coverage Descriptions for CATZOC	AU	
5.1.5	S-100 Route Exchange Specification Waypoint exchange specification Vessel Waypoint Exchange - xsd	MH	TSMAD23-515A TSMAD23-515B TSMAD23-515C

6. Any Other Business

7. Date and location of next meeting

Monaco, 7th – 11th May 2012