

**2nd IHO-HSSC Meeting
Rostock, Germany, 26-29 October 2010**

Report of the Standardization of Nautical Publications WG (SNPWG)

Submitted by:	David ACLAND, UK
Related Documents:	Minutes of the 12 th SNPWG meeting (21 - 25 Jun 2010), JHOD, Tokyo , Japan
Related Projects:	TSMAD S-100

Chair:	David ACLAND, UKHO, UK
Vice-Chair:	Jens SCHRÖDER-FÜRSTENBERG, BSH, GE
Secretary:	Pelle AAGAARD, KMS, DK
Member States:	Argentina, Brazil, Denmark, Estonia, Finland, France, Germany, Japan, Republic of Korea, Netherlands, Norway, Sweden, UK, USA, (and IHB)
Expert Contributor Organisations:	CARIS, ESRI Japan, Jeppesen

Meetings Held During Reporting Period

SNPWG12, 21—27 June 2010, JHOD, Tokyo, Japan

Next Planned Meeting

SNPWG13, 4–8 April 2011, NHS, Stavanger, Norway

Work Program

Model the data

The data dictionary in the SNPWG wiki continues to evolve. As consideration is given to real data, existing features and attributes have been revised and new features and attributes have been created to improve re-usability and relationships.

Populate the NPUBS Register

There has been no change to the NPUBS the state of the Feature Concept Dictionary so far.

Test data-set

Textual test data-sets have been produced for parts of Sailing Directions, Radio Signals and Marine Protected Areas, concentrating on the approaches to Micklefirth in the S-64 test ENC. The next stage of work will use an existing dataset. See progress on HSSC Action Items below.

Mapping

The textual data sets and the BSH real world data of the estuary Die Jade was mapped to the SNPWG data model. The results were reported to SNPWG 12. The conclusions were that it is possible to map very well structured data but it becomes increasingly difficult with information provided in long textual paragraphs. Some Regulation can be summarised into simple instructions for Masters of vessels, but in many cases it will remain necessary to provide lengthy text.

Progress on HSSC Action Items

Action HSSC1/8. Develop Marine Environment Protection Programme (MEPP) based on S-100. SNPWG had an initial discussion on this new task in June 2010. The United Nations Environment Programme World Conservation Monitoring Centre (UNEP-WCMC) is the custodian of a world wide spatial dataset. As this data set already exists in a database, it was decided to concentrate on this data set to develop a product specification for it based on S-100. An outline programme with several phases has been proposed. (See Annex B) GML was chosen as the data format for display against a background of S-57 ENC's. A Work Item sub-group has been formed under the leadership of the Vice-Chairman to take this work forward. A profile of the data held on UNEP-WCMC database has been made and mapped to the SNPWG data model. A first draft Application Schema has been produced. This work has in turn stimulated further revision of the SNPWG data model.

Problems Encountered

Task B6. It has been found that it is too early to populate the NPUBS Feature Concept Dictionary. As the MEPP work has shown, when detailed consideration is given to a new subject area, careful revision of the model is required.

Any Other Items of Note

TSMAD Chairman attended the SNPWG11 at Monaco in September 2009. SNPWG Vice-Chair attended much of the joint TSMAD/DIPWG at Rostock in May. The SNPWG Chairman attended the S-101 focus group at Taunton in August 2010. Both Chairman and Vice-Chairman attended the S-101 Stakeholders Workshop at Taunton in March 2010. These exchanges were invaluable and should continue if at all possible to enable a cohesive programme and co-operation between HSSC Working Groups.

Conclusions and Recommended Actions

HSSC2 is recommended to endorse the continued activity of SNPWG.

Action Required of HSSC

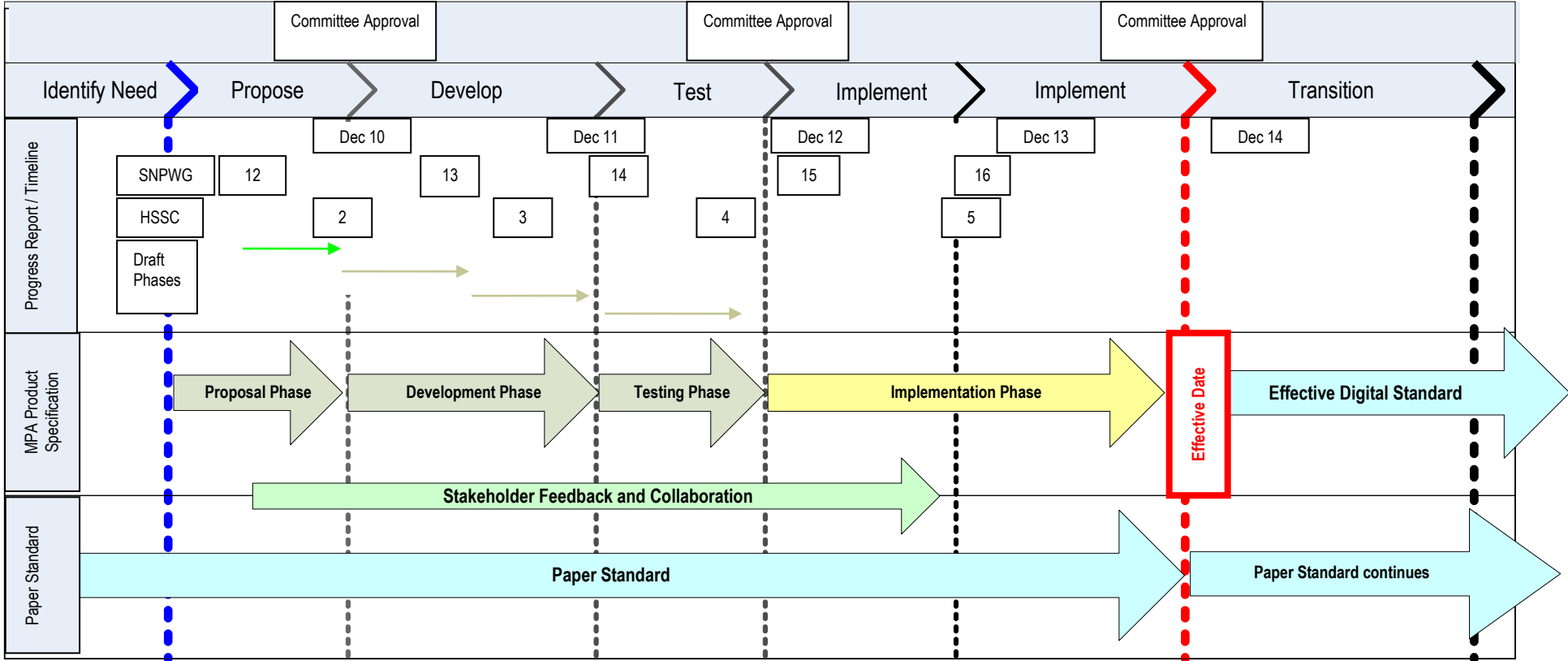
HSSC2 is invited to note this report and endorse the continuance of the Work Plan.

ANNEX A to SNPWG Report

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MPA Product Specification - Progress Report



ANNEX C to SNPWG Report

SNPWG Work Plan**SNPWG Tasks**

- A. Decide on the Data Structure of NPs-Data intended for use in ECDIS (NP3)
- B. Define the content requirements of NP data intended for use in ECDIS (NP3)
- C. Test data
- D. Develop basic display rules for NP data intended for use in ECDIS (NP3)
- E. Draft guidance documents
- F. Revise technical resolutions as required
- G. Liaise with other HSSC WG's and other IHO and international bodies

SNPWG Workplan

Task	Work Item	Priority H-high M-medium L-low	Start Date	End Date	Status P-Planned O-Ongoing C-Completed	Contact Person	Affect ed Pubs /Stand ard	Remarks
B2	Model the data where required.	H	2004	Open	O	Chair/Sec SNPWG	S-100	To be included in NPUBS register
B3	Review of objects and attributes	H	2004	Open	O	Chair/Sec SNPWG	S-100	
B4	Propose amendments for Hydro register to TSMAD	H	2005	Open	O	Chair/Sec SNPWG	S-100	To be included in S-100 registry

B6	Populate the NPUBS Register	H	2006	Open	O	Chair/Sec SNPWG	S-100	
C1	Produce test data set	H	2009	2011	O	Chair/Sec SNPWG		
C2	Set up a test bed ECDIS	M	2009	2012	P	Chair/Sec SNPWG		
D1	Develop basic display rules for NP data intended for use in ECDIS (NP3)	M	2008	Open	O	Chair/Sec SNPWG	S-52	Close co-operation with DIPWG required
E1	Data Capture Guidance	H	2008	Open	O	Chair/Sec SNPWG		Document for NPs similar to Use of the Object Catalog
E2	Draft Sample Product Specification	H	2008	2009	C	Chair/Sec SNPWG	S-10X	Issues remain to be addressed
E3	Draft MPA Product Specification	H	2010	2011	O	Vice Chair SNPWG		Drafted in phases
G1	Liaise with the DIPWG for the development of the display rules	H	2005	Open	O	Chair/Sec SNPWG		
G2	Liaise with the TSMAD	H	2004	Open	O	Chair/Sec SNPWG		
G3	Liaise with other groups	H	2004	Open	O	Chair/Sec SNPWG		Including DPSWG, DQWG, TWLWG, MIO's, AML, ICE, Inland ECDIS