

## Report of the Standardization of Nautical Publications WG (SNPWG)

<b>Submitted by:</b>	David ACLAND, UK
<b>Related Documents:</b>	Minutes of the 13 <sup>th</sup> SNPWG meeting (4-8 Apr 2011), NHS, Stavanger, Norway
<b>Related Projects:</b>	TSMAD S-100

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

### Meetings Held During Reporting Period

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

### Next Planned Meeting

SNPWG14, 13 – 17 February 2012, IHB, Monaco

### Work Program

#### Model the data

The data dictionary in the SNPWG wiki continues to expand and develop. Work Package 4 of the BLAST project (see below), uses many of the proposed features and attributes in its Digital Routeing Guide product specification.

#### The IHO Geospatial Information Registry, NPUBS Register

Redundant Invalid items have been removed from the NPUBS register and one information feature has been added. If it became possible to edit entries before committing them, the rate of population would probably pick up.

#### Marine Protected Area Product Specification

The MPA product specification drafting group produced an initial draft for discussion at SNPWG13. Further work was done in Committee and a second draft will be circulated for further comment during this work period. An MPA Portrayal Discussion paper has been drafted for circulation to DIPWG. It is currently (Aug 2011) out for review by SNPWG members.

## **Progress on HSSC Action Items**

Action HSSC1/8. Develop Marine Environment Protection Programme (MEPP) based on S-100. A product specification is now taking shape. MPA is seen as a useful test case to examine the issues concerned as it is a simple product with a spread of geographic areas and sizes. It also allows exploration of the use of Information features, associations and complex attributes.

TSMAD is developing a technique to build feature catalogues in XML. A derivation of this technique is being used to build the MPA feature catalogue based on the MPA application schema. The next step will be to extend this document to become a Data Classification and Encoding Guide.

Engagement with DIPWG has begun to consider portrayal.

## **Problems Encountered**

The relatively small size of the group means that expertise is limited and overall progress is slow. SNPWG will need the special expertise of the DIPWG in the next phase of work.

## **Any Other Items of Note**

### Joint meeting with Nordic Hydrographic Commission.

A joint meeting was held with the NHC in the school ship MV Gann during SNPWG13. A short cruise was arranged in the fjords so bridge visits could be made in pilotage waters; a joint session was held in which the NHC was briefed on the work of the SNPWG; and a visit was made to Kvitsøy VTS.

### Digital Routing Guide product specification developed by BLAST (Bringing Land and Sea Together) Harmonisation of Nautical Information project.

SNPWG 13 received a progress report on BLAST, which is a research project of the European Union, Interreg IVB North Sea Region Programme. It builds on many of the SNPWG concepts, and completes during 2012. SNPWG13 decided that an active interest should be taken in this work, including the facilitation of any new features or attributes. The question as to whether the work should be adopted into the SNPWG work plan, including further development and subsequent maintenance of the product specification, was left open.

## **Conclusions and Recommended Actions**

HSSC3 is recommended to endorse the continued activity of SNPWG.

## **Action Required of HSSC**

HSSC3 is invited to note this report and endorse the continuance of the Work Plan.

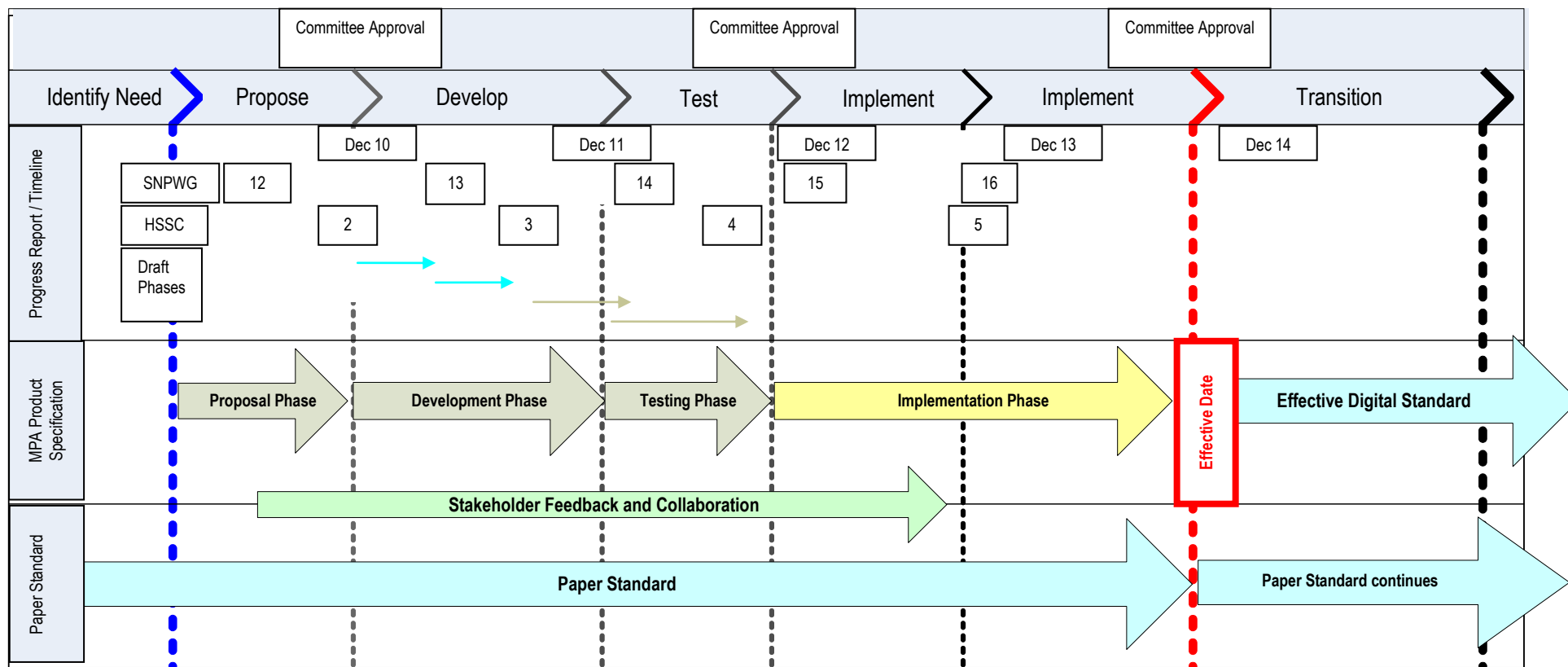
## ANNEX A to SNPWG Report

## Membership of SNPWG

Country	Organization	Name	Email
Brazil	DHN	Ricardo FREIRE	<a href="mailto:freire@chm.mar.mil.br">freire@chm.mar.mil.br</a>
Denmark	KMS	Pelle AAGAARD	<a href="mailto:petar@kms.dk">petar@kms.dk</a>
Estonia	EMA	Tonis SIILANARUSK	<a href="mailto:tonis.siilanarusk@vta.ee">tonis.siilanarusk@vta.ee</a>
Finland	FMA	Jan NYHOLM	<a href="mailto:jan.nyholm@liikennevirasto.fi">jan.nyholm@liikennevirasto.fi</a>
France	SHOM	Alain ROUAULT	<a href="mailto:alain.rouault@shom.fr">alain.rouault@shom.fr</a>
Germany	BSH	Jens SCHRÖDER-FÜRSTENBERG	<a href="mailto:jens.schroeder-fuerstenberg@bsh.de">jens.schroeder-fuerstenberg@bsh.de</a>
Japan	JHOD	Hiroyuki TANAKA	<a href="mailto:ico@jodc.go.jp">ico@jodc.go.jp</a>
Japan	JHA	Teruo KANAZAWA	<a href="mailto:kanazawa-r4w@jha.jp">kanazawa-r4w@jha.jp</a>
Korea	KOHA	Gi Jun KIM	<a href="mailto:kkkim180@korea.kr">kkkim180@korea.kr</a>
Korea	NORI	Sewoong OH	<a href="mailto:osw@moeri.re.kr">osw@moeri.re.kr</a>
Norway	STATKART	Olav HAUGEN	<a href="mailto:olav.haugen@statkart.no">olav.haugen@statkart.no</a>
Sweden	SMA	Svante HAKANSSON	<a href="mailto:hakansson@sjofartverket.se">hakansson@sjofartverket.se</a>
UK	UKHO	David ACLAND	<a href="mailto:david.acland@ukho.gov.uk">david.acland@ukho.gov.uk</a>
USA	NOAA	Thomas LOEPER	<a href="mailto:thomas.loeper@noaa.gov">thomas.loeper@noaa.gov</a>
USA	NOAA	Holly JOHNSON	<a href="mailto:holly.johnson@noaa.gov">holly.johnson@noaa.gov</a>
USA	NGA	Michael KUSHLA	<a href="mailto:michael.s.kushla@nga.mil">michael.s.kushla@nga.mil</a>
	IHB	Tony PHARAOH	<a href="mailto:pad@ihb.mc">pad@ihb.mc</a>
<b>Technical Experts</b>			
	CARIS	John SMART	<a href="mailto:john.smart@caris.com">john.smart@caris.com</a>
	Interschalt	Michael NEUMANN	<a href="mailto:michael.neumann@interschalt.de">michael.neumann@interschalt.de</a>
	Jeppesen	Eivind MONG	<a href="mailto:eivind.mong@jeppesen.com">eivind.mong@jeppesen.com</a>
	NOVACO	Yiorgos PALIERAKIS	<a href="mailto:yiorgos.palierakis@novaco.co.uk">yiorgos.palierakis@novaco.co.uk</a>

# MPA Product Specification

## Progress Report Diagram



## 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**

<b>Task</b>	<b>Work Item</b>	<b>Priority</b> H-high M-medium L-low	<b>Start Date</b>	<b>End Date</b>	<b>Status</b> P-Planned O-Ongoing C-Completed	<b>Contact Person</b>	<b>Affect ed Pubs /Stand ard</b>	<b>Remarks</b>
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 the Hydro register

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	Draft Data Capture and Classification Guide	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		Issues remain to be addressed
E3	Draft MPA Product Specification	H	2010	2013	O	Vice Chair SNPWG	S-10X	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 DIPWG, DPSWG, DQWG, TWLWG, MIO's, AML, ICE, Inland ECDIS