

**4th IHO-HSSC Meeting
Taunton, UK, 25-28 September 2012**

Report of the Standardization of Nautical Publications WG (SNPWG)

Submitted by:	Jens SCHRÖDER-FÜRSTENBERG, GE
Related Documents:	Minutes of the 14 th SNPWG meeting (4-8 Apr 2011), IHB, Monaco, Monaco
Related Projects:	TSMAD S-100

Chair:	TBN
Vice-Chair:	Jens SCHRÖDER-FÜRSTENBERG, BSH, GE
Secretary:	Tom LOEPER, NOAA, US
Member States:	Brazil, Denmark, Estonia, Finland, France, Germany, Japan, Republic of Korea, Norway, Spain, Sweden, UK, USA, (and IHB),
Expert Contributor Organisations:	CARIS, Interschalt, Jeppesen, NOVACO,

Meetings Held During Reporting Period

SNPWG14, 13 – 17 February 2012, IHB, Monaco

Next Planned Meeting

SNPWG15, 12 – 16 November 2012, Helsinki (Finnish Transport Agency), Finland

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 some features and attributes have 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 draft was circulated for further comments from SNPWG 13 to SNPWG14. The draft was then intensively reviewed at SNPWG14. The MPA portrayal discussion paper was reviewed and a new proposal was forwarded to DIPWG for consideration. It is currently (Aug 2012) out for review by SNPWG members. A Data Capture and Encoding Guide similar to Use of the Object Catalog is under construction and was discussed at SNPWG 14. Further work was done in Committee and a revised version is circulated for further comments during this work period. Data Quality issues were discussed and an appropriate paper with SNPWG proposals was forwarded to DQWG.

IHB has provisionally assigned S-103 to the MPA Product Specification.

Progress on HSSC Action Items

Action HSSC1/8. Develop Marine Environment Protection Programme (MEPP) based on S-100. A product specification with all necessary components 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. The MPA will be based on GML standards.

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.

Engagement with DIPWG has begun to consider portrayal.

Engagement with DQWG has begun to consider data quality.

Problems Encountered

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

Any Other Items of Note

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

SNPWG 14 received a progress report on BLAST. It builds on many of the SNPWG concepts, and completes in September 2012. SNPWG14 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, remains open.

Conclusions and Recommended Actions

HSSC4 is recommended to endorse the continued activity of SNPWG.

Action Required of HSSC

HSSC4 is invited to note this report and endorse the continuance of the Work Plan.
HSSC4 is invited to confirm S-103 as MPA product specification number.

ANNEX A to SNPWG Report

Membership of SNPWG

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

ANNEX B 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 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

MPA Product Specification

Progress Report Diagram

