Hydrographic Services and Standards Committee

Report of Nautical Information Provision Working Group

Presented by Mr. Jens Schröder-Fürstenberg (NIPWG Chair)

Activities and achievements

- Participation
 - 20 Member States, 10 industry members,
 1 training institute, 1 academic
- Meetings
 - December 2016, Busan, Republic of Korea
 - May 2017, Durham, NH, United States of America

Activities and achievements (cont.)

- Developments of NPUB Product Specs
- Conduction of NPUB Visualisation Workshop
- Contributions to e-Navigation
- Monitoring of IALA AtoN activities

S-122 (MPA) and S-123 (Radio Services) Completion

- Deliverables by contractors
 - Draft version delivered at NIPWG4 in May 2017
 - Working Group review in June 2017
 - Final provision in August 2017
- Additional benefits from outsourcing
 - Provision of incremental update procedure for GML data in S-100
 - Solution for fuzzy area data quality provision

S-122 (MPA) and S-123 (Radio Services) Outstanding issues

- (kind of) Impact Study based on IHO Res 2/2007
- Package (impact study results and Product Specifications) to be delivered at HSSC10
- Council-2 endorsement
- Member State approval

NPUB ProdSpecs Status

Product specs under development	MS Word Test data sample	Data model	Mapping	Application schema	Overall Working Status
S-125 Navigational Service	In progress	Drafted			On hold
S-126 Physical Environment	Stable	Drafted			On hold
S-127 Traffic Management	Stable	Drafted	Drafted	In progress	In progress
S-128 Catalogue of Nautical Information	In progress	In progress		In progress	In progress

NPUB ProdSpecs status

- Hydro Register
 - S-122 and S-123 Feature Concept Dictionary almost included
 - Missing Feature Catalogue Builder
 - Need to maintain a parallel world
- NIPWG Wiki
 - Second repository of NIPWG Feature Concept Dictionary and other components
 - Discussion platform

Outsource of S-127 (Traffic Management) development

- Under Keel Clearance information incorporated
- Level of maturity justifies completion efforts
- Complement to finalised S-122 and S-123
- Basis for further development
- No S-122 (MPA) integration
- Schedule



Outcome of Visualisation Workshop

- Participants
 - Industry
 - External Contributors
 - NCWG
- Portrayal of Nautical Information based on "use cases"
 - In combination with S-101
 - On external displays
- Further benefits
 - Showing how NPUB data become GML data

Co-operation with IHMA

 IHMA will assist in data model development of Harbour Infrastructure Product Specification

NIPWG provided feedback on IHMA's "Port Call Information Guide"

Maintenance of IHO standards and miscellaneous publications

- M-3 Proposals for are under consideration
 - Reflection of current data provision
 - Impact on current S-100 Edition
- M-3 Res 2/2007 separat S-100WG/NIPWG paper

Maintenance of IHO standards and miscellaneous publications

- M-3 Res 2/2007
 - Common S-100WG/NIPWG paper
 - Based on Assembly proposal
 - Guidance to conduct an impact study

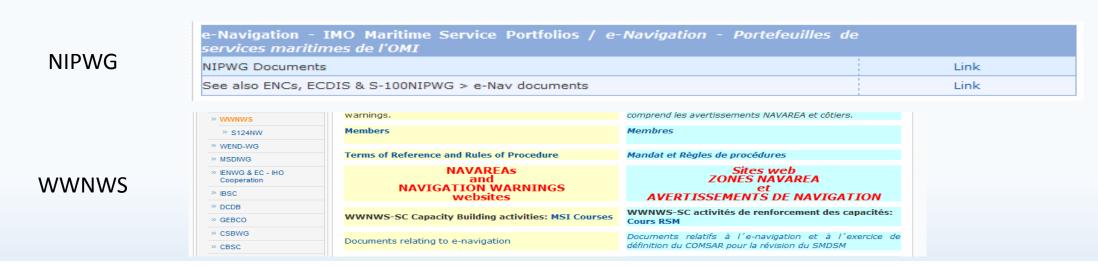
Ref.: Document HSSC9-5.4C

Maintenance of IHO standards and miscellaneous publications

- Other standards and products
 - S-49 (Mariners' Routeing Guide) + M-3

NIPWG and IMO e-Navigation

- Maritime Service Portfolio
- Insufficient provision of supporting material and IHO contribution on the IHO website





NIPWG and IMO e-Navigation (cont.)

- Display of information received via communication equipment
- Participation in IMO/IHO Harmonization Group on Data Modelling (HGDM)

Monitor IALA activities on AtoN

- IALA S-201 Product specification
- Schema for Marine Resource Name under development

Action requested of HSSC9

- Note:
 - Chairman's report and NIPWG's submission HSSC9-05.4 A, B and C
- Recognise:
 - the completion of the S-122 and S-123 ProdSpecs development
- Order:
 - an appropriate presentation of e-Navigation information on the IHO website

Action requested of HSSC9 (cont.)

Endorse

- the allocation of budget to the S-127 ProdSpec completion and the proposed development schedule
- the separation of S-122 (MPA) and S-127 (Traffic Management)
- that the provision of UKCMS information in nautical publications depends on national authorities request
- the continuation of the wiki server subscription
- the continuance of the Work Plan