

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

Ref.: Document HSSC9-5.4B



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

e-Navigation - IMO Maritime Service Portfolios / e-Navigation - Portefeuilles de services maritimes de l'OMI	
NIPWG Documents	Link
See also ENCs, ECDIS & S-100NIPWG > e-Nav documents	Link

WWNWS

<ul style="list-style-type: none">» WWNWS» S124NW» WEND-WG» MSDIWG» IENWG & EC - IHO Cooperation» IBSC» DCDB» GEBCO» CSBWG» CBSC	<p>warnings.</p> <p>Members</p> <p>Terms of Reference and Rules of Procedure</p> <p>NAVAREAs and NAVIGATION WARNINGS websites</p> <p>WWNWS-SC Capacity Building activities: MSI Courses</p> <p>Documents relating to e-navigation</p>	<p><i>comprend les avertissements NAVAREA et côtiers.</i></p> <p>Membres</p> <p>Mandat et Règles de procédures</p> <p>Sites web ZONES NAVAREA et AVERTISSEMENTS DE NAVIGATION</p> <p>WWNWS-SC activités de renforcement des capacités: Cours RSM</p> <p><i>Documents relatifs à l'e-navigation et à l'exercice de définition du COMSAR pour la révision du SMDSM</i></p>
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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

