

Nautical Information Provision Working Group

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



History, membership and meetings

- History
 - Established in 1999 as SNPWG
 - Renamed to NIPWG in 2015 with new focus
- Membership
 - 21 Member States, 11 industry members
- Meetings
 - Every 9 months



Activities and achievements

- Development of NPUB Scope
- Development of S-100 based data model
- Development of NPUB Product Specs
- Contributions to IMO e-Navigation



Activities and achievements (cont.)

- Maintaining M-3 parts relevant for NPUBS
- Maintaining various IHO Standards
 - S-12 List of Lights
 - S-49 Mariners' Routeing Guide



Data Model development

- Wiki
- Concepts

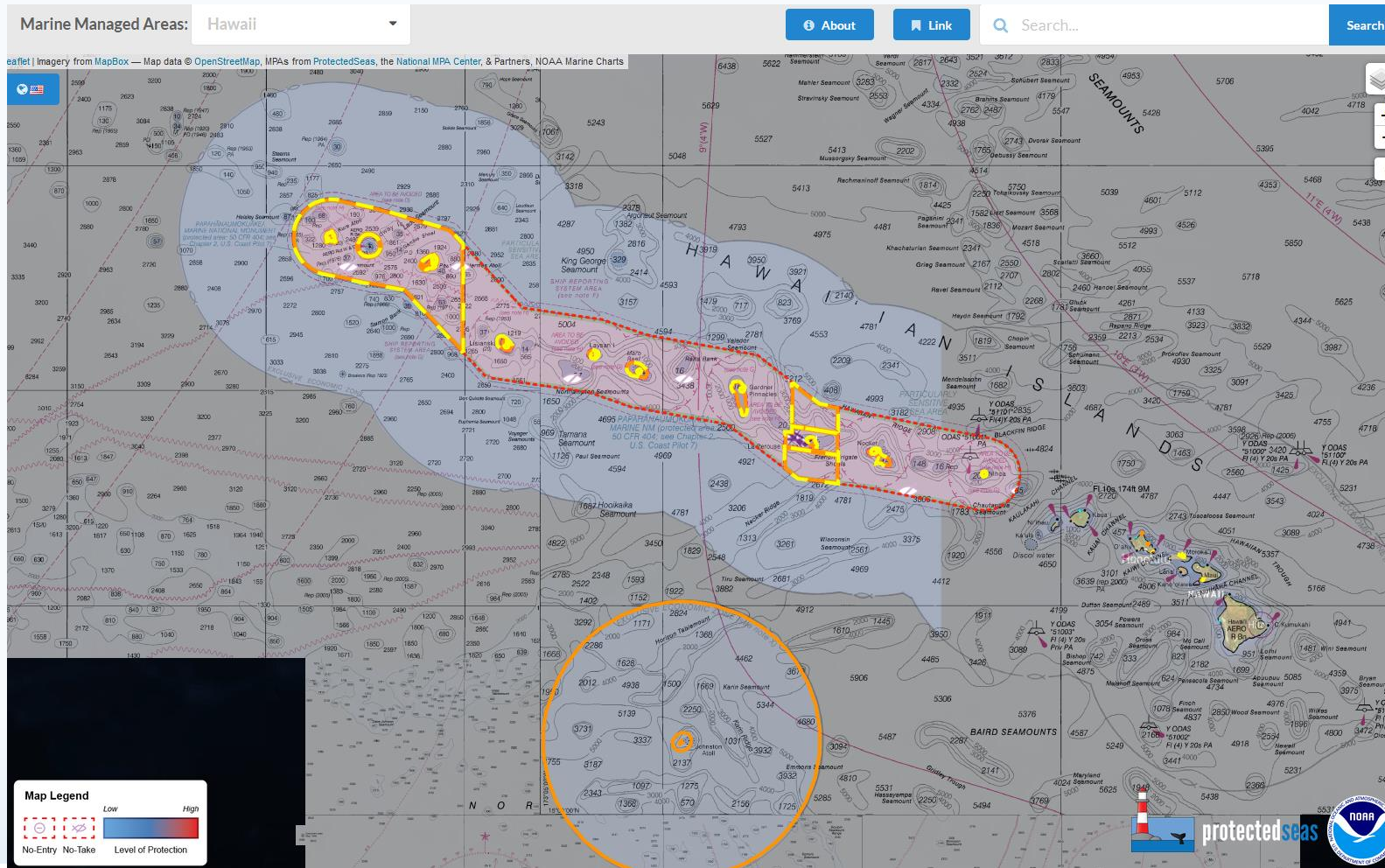


NPUB ProdSpecs Status

Product specs		Overall Working Status
S-122 Marine Protected Areas		Member State Approval
S-123 Radio Services		Member State Approval
S-125 Navigational Service		On hold
S-126 Physical Environment		On hold
S-127 Marine Traffic Management		Under contract, in progress
S-128 Catalogue of Nautical Information		Under contract, in progress
S-1xx Marine Services		Planned
S-1xx Digital Mariner 's Routeing Guide		Planned
S-1xx Harbour Infrastructure		Planned
S-1xx (Social/Political)		Planned



Interoperability issues between S-122 (Marine Protected Area) and S-121(Limits and Boundaries)



International Hydrographic Organization
Organisation Hydrographique Internationale

XML harmonisation of NtM Chart corrections

- Improve and anticipate information exchange between HOs
- Pool HOs IT competence
- XML functions
 - Easy to implement in production systems
 - Act as an adapter between different NtM information provision
- NIPWG wiki is ready as pre-discussion basis



IHO/ HSSC and IMO e-Navigation

- Marine Services combined to a Maritime Service Portfolio
 - maritime service No.5 (Maritime Safety Information Service (MSI)) **WWNWS-CG**
 - maritime service No.11 (Nautical Chart Service) **NCWG, ENCWG**
 - maritime service No.12 (Nautical Publications Service) **NIPWG**
 - maritime service No.15 (Real-time hydrographic and environmental information Service) **TWCWG**
- Display of information received via communication equipment (postponed)
- Participation in IMO/IHO Harmonization Group on Data Modelling (HGDM)
 - Involved IHO WG/CG encouraged to use the template draft to submit Maritime Services description



Overarching architectural analysis (example)

