



Hydrographic Services and Standards Committee

Report of the Nautical Information Provision Working Group to HSSC7, Busan, Nov 2015

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

Activities and achievements

✦ Participation

- 20 Member States, 4 commercial companies, 1 training institute

✦ Meetings

- December 2014, Cadiz, Spain
- July 2015, Monaco



Working Group Participation

Activities and achievements (cont.)

- ✦ Transition from SNPWG to NIPWG
- ✦ NPUB Product Specs developments (S-12x)
- ✦ Data Quality indicator developments
- ✦ Contributions to e-Navigation
- ✦ Monitoring of IALA AtoN activities



S-122 (MPA) – development

S-122 Achievements

- ✦ Several reviews of the test data sample
- ✦ Review of the data model
- ✦ Completion of the application schema
- ✦ Next draft version of the DCEG
- ✦ The Feature Concept Dictionary is ready.
- ✦ Development of the Feature Catalogue

S-122 Achievements



S-122 – outstanding issues

- ✦ DQWG; Quality Data section, pending
- ✦ NCWG; portrayal section, pending
 - Project Team to be set up by HSSC (ref HSSC7-05.5B)
- ✦ S-101 DCEG Sub-WG; data harmonisation, pending

A photograph of two dolphins leaping from the ocean. The dolphins are captured mid-jump, with their bodies arched and tails still in the water, creating a splash. The background is a clear, bright blue sky. The dolphins' skin is a light greyish-blue, and their fins are dark.

**Temporal information
Communication information
Data quality information**

Harmonisation is essential

An aerial photograph of the Monaco Grand Prix track. A red race car is blurred in motion on the asphalt track, which features white and black checkered markings. In the background, several people are visible on the track, including one in a bright orange jumpsuit and others in black uniforms. A white barrier with 'MONACO GRANDPRIX' text is also present. The scene is set against a backdrop of green trees and a red-paved area.

Various dependencies
Estimated date is 2018
Next update at HSSC8

Completion schedule

NPUB ProdSpecs Status

Product specs under development	Test data sample	Data model	Mapping	Application scheme
S-123 Radio Service	stable	drafted	drafted	drafted
S-124 Navigational Service	in progress	drafted		
S-125 Physical Environment	stable	drafted		
S-127 Traffic Management	stable	drafted		



**Sandbox
Bulk loading
No pending status**

IHO Registry-issues

SNPWG's contribution to the visualisation of Data quality indicators

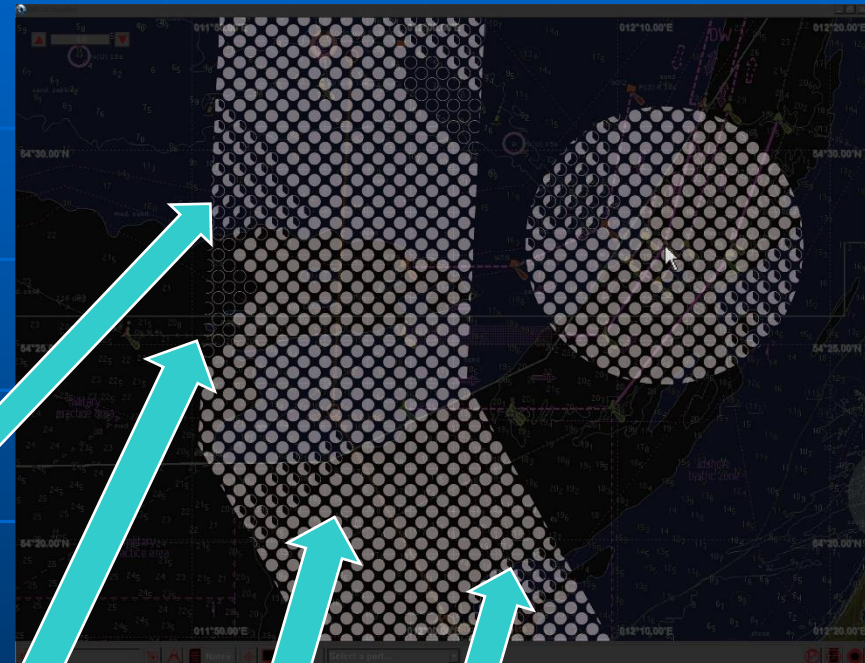
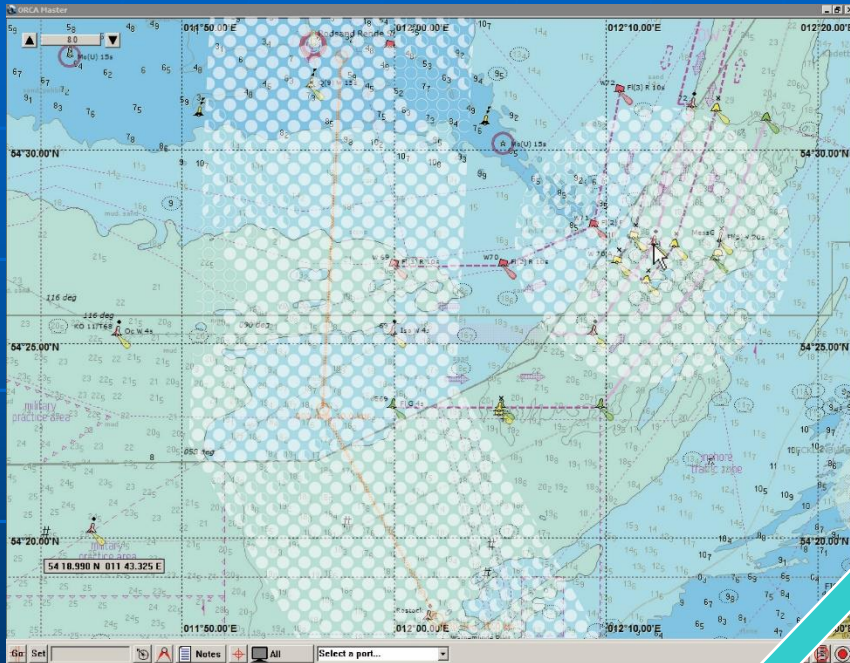
- ✦ Three (four) quality levels
 - Low
 - Fair
 - Good
 - Not assessed
- ✦ Visualisation: traffic light solution not accepted
- ✦ SNPWG assessed alternative options and forwarded to NCWG for consideration

Data quality indicators

side conditions for visualisation

- ✦ General principles of the chart display as standardised by S-52, namely colour tables for different light conditions, contrast between fore- and background colours, symbol size and shape,
- ✦ No cluttering effects to the chart display by amended symbols or patterns,
- ✦ No ambiguities with existing chart symbols,
- ✦ Intuitive interpretation of the proposed symbols/colours as indicators for the data quality,
- ✦ Practical exercise of the proposed solution with real ECDIS displays.

Proposed visualisation for Data quality indicators



Category low

Not assessed

Category good

Category fair

Data quality indicators

★ Current status

- NIPWG made its suggestions and
- forwarded to NCWG
 - close liaison with DQWG
 - close liason with the University of New Hampshire

Catalogue of Nautical Products

Digital Catalogue of Nautical Products

- ✦ Exchange of lists of digital products
 - Charts (ENC)
 - Publications (M-3)
- ✦ S-100 based infrastructure
- ✦ One of the E-Navigation MSP's backbones
- ✦ Product specification number S-128?

A detailed photograph of a ship's engine room control board. The board is densely packed with various instruments, including numerous analog gauges with white faces and black markings, several brass-colored handwheels for manual control, and a central digital display. A label 'THROTTLE BOARD' is visible on the right side. The background shows the complex piping and machinery of the engine room.

**Uncertainties
Information provision
Access to HO data**

NIPWG and e-Navigation

A person in a blue uniform is looking through a telescope. The background is a clear blue sky. The text is overlaid on the image in a large, bold, black font.

**Strategy discussion:
Implementation in ECDIS
Set up contact with IEC
Carriage requirement**

NPUB in future ECDIS

Monitor IALA activities on AtoN

- ✦ IALA recognises the use of Navigational Unique Identifiers – NIPWG monitoring
 - IALA seeks to include VTS and Waterways
- ✦ Schema for Persistent Unique Identifiers to be adopted by S-100

Action requested from HSSC

- ✦ Note Chairman's report and NIPWG's submissions: HSSC7-05.4A and HSSC7-5.4B
- ✦ Confirm the development schedules for
 - S-122 Marine Protected Area
 - S-123 Radio Services
- ✦ Endorse the development of S-128 (Catalogue)
- ✦ Endorse the continuance of the Work Plan
- ✦ Assignment of the PUI schema development to the S-100WG