



# Hydrographic Services and Standards Committee

## Report of the Nautical Information Provision Working Group to NCWG, May 2017

Presented by Mr. Yves Guillam (IHB ) on behalf of NIPWG

# Activities and achievements

## ✦ Participation

- 20 Member States, 5 industry members,  
1 training institute, 2 academic

## ✦ Meetings

- December 2016, Busan



# Working Group Participation and Composition

## Activities and achievements (cont.)

- ✦ Developments of NPUB Product Specs
- ✦ Developments of data quality model extension for NPUB
- ✦ Harmonisation of cable protection information
- ✦ Discussion on new ProdSpec candidates
- ✦ Contributions to e-Navigation
- ✦ Monitoring of IALA AtoN activities



**S-122 (MPA), S-123 (Radio  
Services)  
– development –**

# S-122 – outstanding issues

- ✦ DQWG; Quality Data section, under development
  - Extension to DQWG model under consideration
- ✦ NCWG; portrayal section, pending
  - Workshop will be initiated
- ✦ S-101 DCEG Sub-WG; data harmonisation

A nautical chart showing a coastal area with various navigational markers, depth soundings, and seabed labels like 'mud', 'sand', and 'clay'. A large, semi-transparent grey circle is centered on the chart. Overlaid on the chart are three text blocks and several arrows. The top block says 'Data quality' with two arrows pointing towards the center. The middle block says 'Developed for fuzzy areas' with an arrow pointing right. The bottom block says 'Expanded for all NPUB information' and 'Extension to DQWG model' with two arrows pointing towards the bottom right.

# Data quality

**Developed for fuzzy areas**  
**Expanded for all NPUB information**  
**Extension to DQWG model**

A photograph of three dolphins leaping from the ocean surface. The dolphins are captured in mid-air, with their bodies arched and tails still partially submerged, creating a splash of white water. The background is a clear, vibrant blue sky. The dolphins' skin appears sleek and dark grey-blue.

**Temporal information  
Communication information  
Data quality information**

**Harmonisation is essential**



# Other NPUB ProdSpecs Status

<b>Product specs under development</b>	<b>MS Word Test data sample</b>	<b>Data model</b>	<b>Mapping</b>	<b>Application schema</b>
S-123 Radio Service	stable	drafted	drafted	In progress
S-125 Navigational Service	in progress	drafted		
S-126 Physical Environment	stable	drafted		
S-127 Traffic Management	stable	drafted	drafted	In progress
S-128 Catalogue of Nautical Information	In progress			In progress

An underwater photograph showing a thick, grey, flexible protective sleeve laid along the seabed. The sleeve is secured to a cable with several white, cylindrical connectors. The seabed is sandy and covered with sparse, brownish seaweed. The water is clear and blue.

# Cable protection information

# ProdSpec for regulatory information

- ✦ Information issued by international or intergovernmental organisations
  - Effects on ship's equipment
  - Effects on ship's manning
  - Effects on ship's handling

# Maintenance of IHO standards and miscellaneous publications

- ✦ Proposals for M-3 are under consideration



# MSP Hydrographic Services

# NIPWG and e-Navigation

# NIPWG and IMO e-navigation

- ✦ Display of information received via communication equipments
- ✦ Harmonised display of navigational information

# 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 adopted by S-100

# Action requested from NCWG

- ✦ Note this presentation
- ✦ Discuss potential contribution to the S-122 and S-123 portrayal
- ✦ Consider participation to the visualisation of NPUB workshop (next week)