



## Hydrographic Services and Standards Committee

### Report of the Nautical Information Provision Working Group to HSSC8, Monaco, Nov 2016

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

# Activities and achievements

## ✦ Participation

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

## ✦ Meetings

- March 2016, Monaco



# 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



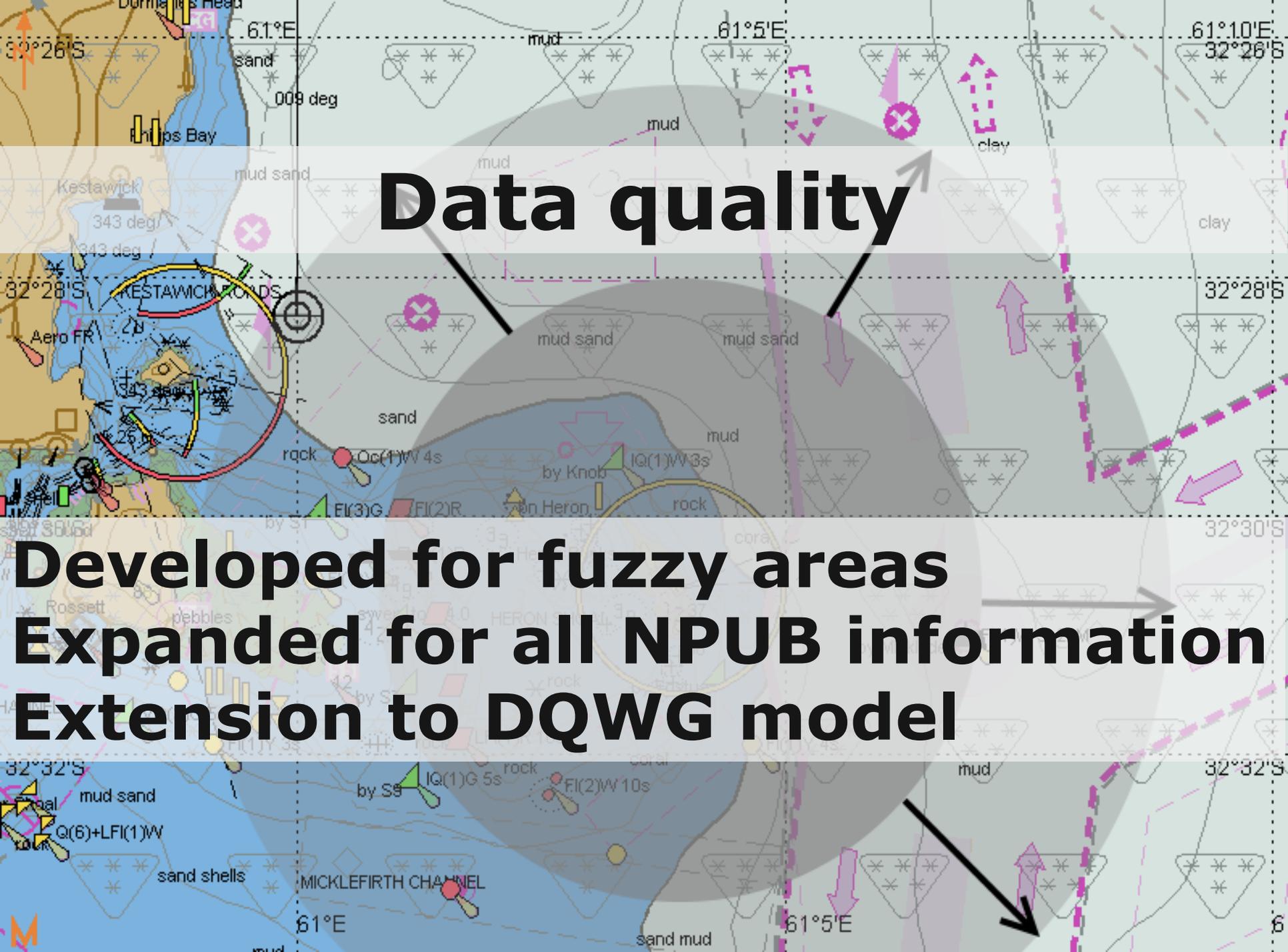
# S-122 (MPA) – development

# S-122 Achievements

- ✦ Review of the data model
- ✦ Completion of the application schema
- ✦ Next draft version of the DCEG
- ✦ Adding data model components to the HYDRO register.
- ✦ Development of the Feature Catalogue

# 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



**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**

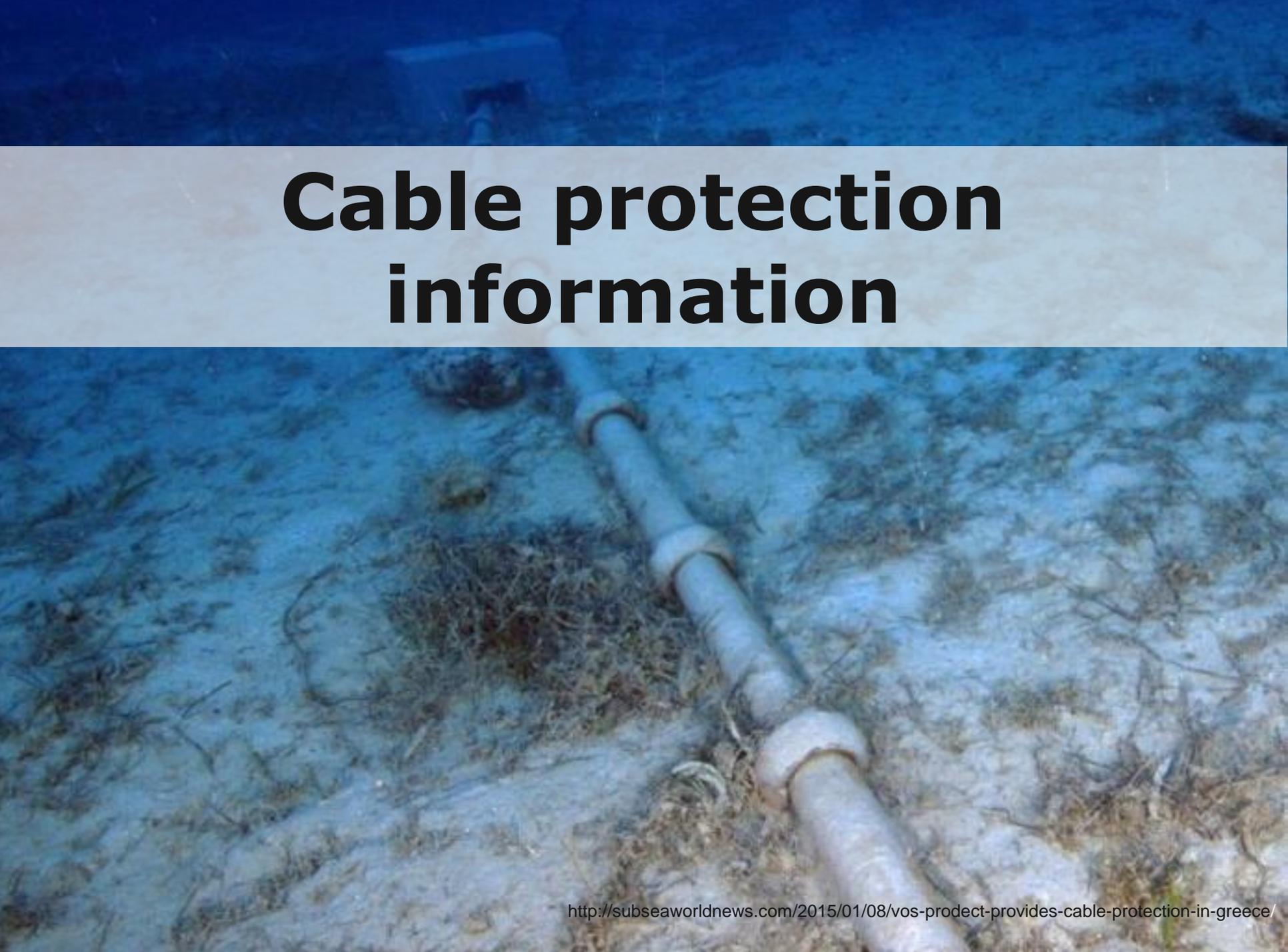
An aerial photograph of a pit lane at the Monaco Grand Prix. In the foreground, a red race car is blurred, moving from left to right. The pit lane is marked with white and black checkered lines. Several people in various uniforms, including orange and black, are visible in the background. A white box with 'MONACO GRANDPRIX' written on it is also present. The text is overlaid on a semi-transparent grey background.

**Various dependencies  
Estimated date is according  
to the S-101 completion  
Next update at HSSC9**

**Completion schedule**

# Other N PUB 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	
S-128 Catalogue of Nautical Information	In progress			

An underwater photograph showing a thick, grey metal protective sleeve encasing a cable. The sleeve is secured with several white, cylindrical caps or seals. The cable and sleeve are laid out on a sandy seabed with sparse, dry-looking vegetation. The water is clear and blue.

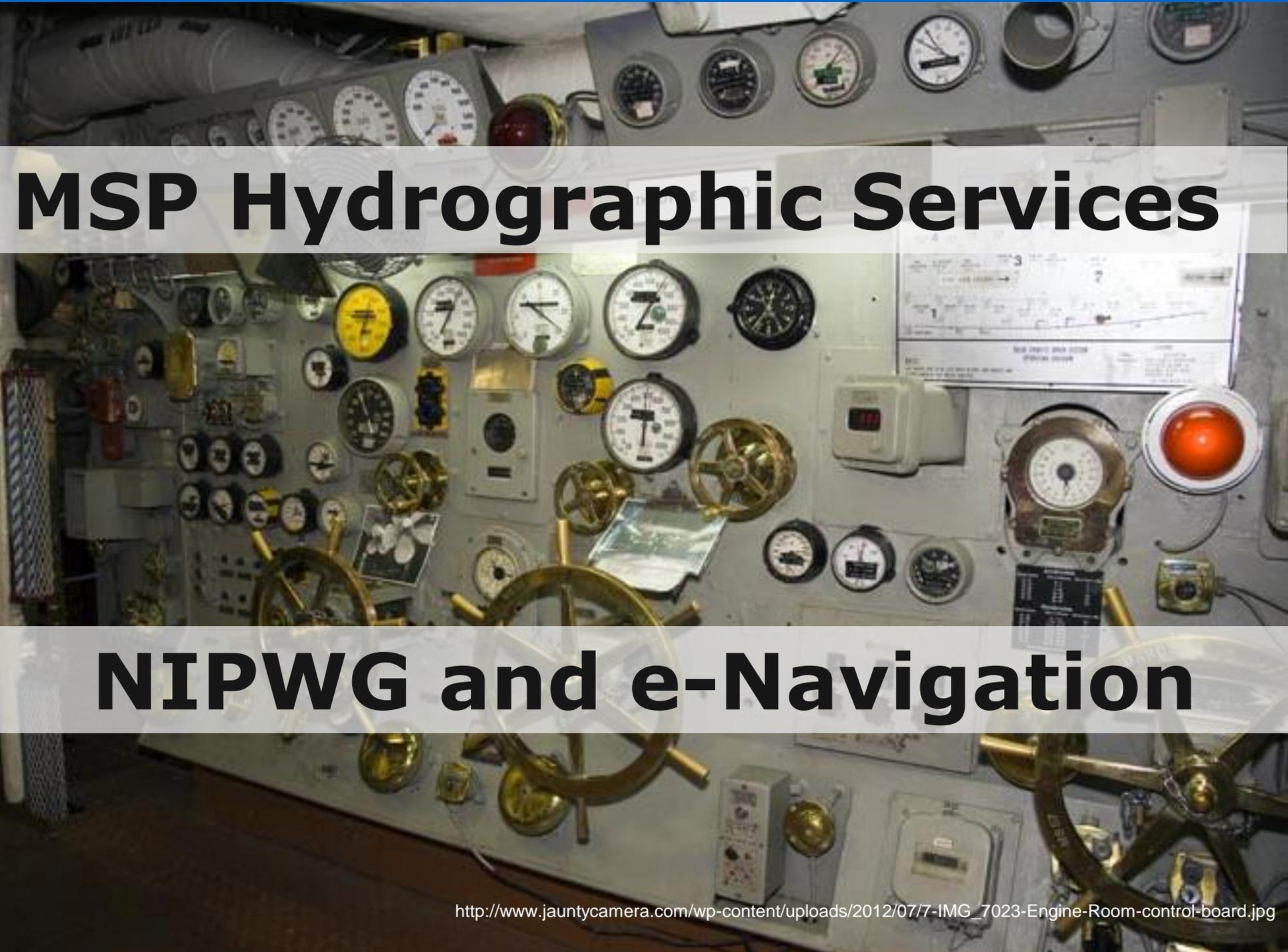
# Cable protection information

# 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 HSSC

- ✦ Note Chairman's report and NIPWG's submission: HSSC8-05.4A
- ✦ Confirm the development schedules for
  - S-122 Marine Protected Area
  - S-123 Radio Services
- ✦ Endorse new ProdSpec for regulatory information
  - Assign the development to a HSSC WG
- ✦ Endorse the continuance of the Work Plan