**Marine Physical Environment (S-126)**

Subject: Marine Physical Environment (S-126) Scoping Meeting #2

Date: 24 August 2020

Forum: GoToMeeting sponsored by IHO

Attendees: Jens Schroeder-Furstenberg (BSH) (Chair)

 Yoshitsugu Atsumi (JHOD)

 Mr. Michihiro (JHOD)

 Shwu-Jing Chang (NTOU)

 Yves Guillam (IHO)

 Allan Idd Jensen (DGA)

 Simon Vammen (DGA)

 Michael Kushla (NGA)

 Raphael Malyankar (Portolan Services)

 Svein Skjaeveland (PRIMAR)

 Tom Loeper (NOAA)

 Tina Perry (NOAA)

 Eivind Mong (CCG)

 Charline Giffard (CCG)

 Wilfred den Toom (Netherlands)

**General**

Jens thanked Raphael (Portolan) and Shwu-Jing (NTOU) for the contributions to the spread sheet.

Jens cautioned the group about being too specific and not going beyond our knowledge and experience as other groups may be responsible for this work.

**Spreadsheet Discussion Continuation**

Jens led the group through a discussion of the updated spread sheet concerning proposed changes developed since the previous meeting:

1. Seabed Area = Added Nature of the Surface. Is Water Level Effect appropriate?
2. Spring = Limited to mentioning.
3. Seabed Area (SEAARE) = 54 attributes. What is the overlap with S-101? Yves commented on the Undersea Features Names Group regarding harmonization needs with SEAARE. The are also possible issues with S-32.
4. Magnetic Variation (MAGVAR) = S-101 feature.
5. Local Magnetic Anomaly (LOCMAG) = S-101 feature?
6. Tidal Streams (TS-FEB)/Tidal Streams (TS-PRHA) = S-57 overlap? Don’t want to create overlap/conflict with the Tides, Water Level and Currents Working Group (TWCWG). Other than as a more generic approach, this is probably out of our scope
7. Ice Area (ICEARE) = Wiki discussions on S-101 data elements. How detailed do we need to be? Do we explain types of ice? This is probably out of our scope.

**Post meeting comments from Mike Kushla/Tom Loeper—**Isn’t this handled by S-402?

1. Category of Natural Conditions:

Most definitions of attributes of from various nautical publications.

Some are covered by other features (MAGVAR/LOCVAR).

Series of additional proposed natural conditions (in red in spread sheet). Do we just use text descriptions?

Do we break down Natural Conditions (in red in spread sheet) into more specific conditions (such s weather condition, sea condition, etc.)?

Water Movement Area not needed and should be deleted. This is covered by the Surface Currents WG. Velocity already covered in S-101.

**Closing Comments**

Action Items from Jens. Comments on:

1. Tides.
2. Panorama.
3. Ice.

Comments from Yves regarding work from the Arctic Hydrographic Commission and Digital N-Pubs. They were not aware of the work being done by other Working Groups. This is a serious (and common) issue. Yves also talked briefly about Hi-Def ENCs and the need to stop the creation of new national products outside the IHO framework.

The next meeting is on Monday, 21 September 2020 using the IHO GoToMeeting platform. See NIPWG Letter 5-2020 for GoToMeeting access information and the exact time for your location.