



Hydrographic Services and Standards Committee

# Report of the TWLWG

to HSSC 7

November 2015

# Principal activities and achievements

- ✦ The 7<sup>th</sup> meeting was held at the Civic Building, Silver Spring, Maryland, USA from 21 to 24 April 2015 and was hosted by the Office of Coast Survey, NOAA. The meeting was attended by 17 representatives from 12 IHO Member States, the IHB and expert contributors from the Centre for Coastal and Ocean Mapping, University of New Hampshire, and SPAWAR Atlantic.



# Principal activities and achievements

- ✦ Progress was made on a standard for digital tide tables with the development of a list of fundamental attributes. It was agreed to highlight the inventory of tide gauges through Regional Hydrographic Commissions with the view to raising awareness and encouraging additional inputs.
- ✦ The compiled list of Actual Tides On-line Links was highlighted; a process for validating and updating the list was agreed so that the list can be uploaded to the website and maintained as a resource for Member States.



# Principal activities and achievements

- ✦ A full day was set aside to work on the S-100 based product specifications guided by the Chair of S-100WG. The Chair S-100WG provided briefs on S-100 and S-101 - the ENC Product Specification, as well as work undertaken at TSMAD29 on S-112 - dynamic water level data product specification.
- ✦ The meeting also received presentations on various aspects of the work of the Surface Current Working Group and S-111 - Surface Current Data Product Specification.
- ✦ Significant progress was achieved in reviewing a draft Tidal Height product specification and work was started on developing the Tidal Zone feature attributes; it was agreed an application for a S-1xx number should be made to the 7th meeting of the HSSC.



# Principal activities and achievements

- ✦ A proposed revised wording of IHO Resolution 3/1919, as amended, was agreed after a review of the comments received in response to IHO CL 17/2014 - Proposed Revisions to IHO Resolutions on Tides, Water Levels and Tidal Publications.
- ✦ The proposed revisions are submitted to the 7th meeting of the HSSC for endorsement prior to seeking adoption by IHO Member States.



# Principal activities and achievements

- ✦ The intended outcomes and the presentation for the Tide and Water Level Capacity Building course, developed by South Africa, were reviewed and a process for incorporating proposed amendments was agreed.



# Future work programme (TWCWG)

A	Maintain the list of standard tidal constituents (IHO Task 2.7.2.3)
B	Compare the tidal predictions generated as a result of analysis of a common data set using different analysis software
C	Develop, maintain and extend a Product Specification for digital tide tables (IHO Task 2.7.3)
E	Develop, maintain and extend a Product Specification for the transmission of real-time tidal data (IHO Task 2.7.4)
F	Develop, maintain and extend a Product Specification for dynamic tides in ECDIS (IHO Task 2.7.5)
G	Liaise with S-100WG on tidal and current matters relevant to ECDIS applications
H	Liaise with industry experts on the development of product specifications for tides and currents
I	Prepare and maintain an inventory of tide gauges and current meters used by Member States and publish it on the IHO/TWLWG web site (IHO Task 2.7.2.4)



# Future work programme (cont.)

J	Review feedback of on-line real time water level observation document
K	Maintain and extend the relevant IHO standards, specifications and publications as required (IHO Tasks 2.7.2 and 2.13.2)
L	Conduct the 2016 and 2017 meetings of TWCWG and its sub-group(s) and project team(s) (IHO Tasks 2.7.1 and 2.13.1)
M	Develop and maintain material for course on Tides, and Water Levels and Currents





# Action requested of HSSC

- ✦ The HSSC is invited to:
  - a. Note this report
  - b. Appoint the TWCWG to start its work under the revised Terms of Reference, see Annex D
  - c. Consider allocation of a number to the Tidal Height product specification
  - d. Endorse the revised draft text for Resolution 3/1919, as amended (see Annexe C), for submission to IHO Member States
  - e. Endorse the draft Work Plan at Annex B

