

Tides, Water Level and Currents Working Group
VTC, 5-7 April 2022
Draft Agenda – (TWCWG6)

1. Opening

- .1 Opening address – **Chair**
- .2 Address by host nation – **Hydrographer SAN**
- .3 IHO comments – **IHO**

2. Administrative Arrangements

- .1 Adoption of the Agenda and Apologies – **Chair/IHO**
- .2 Programme and timetable of the Sessions – **Chair/IHO**
- .3 Meeting administration, including H&S – **Host**
- .4 Report on Intercessional Activities including HSSC13 – **Chair**
- .5 Matters arising from TWCWG5/Review of Action Items – **Chair**

3. Programme Matters

- .1 Standard Constituent List – **GBR/Chair**
- .2 The study of long-term data sets for the determination of global sea level rise and changes in tidal range. – **NOR/USA**
- .3 Compare Tidal Predictions generated as a result of analysis of a common data set by different analysis software (including Application for an International Association for the Physical Sciences of the Oceans (IAPSO) Best Practice Study group on Tidal Analysis)– **USA/NOR/GBR [UK National Oceanography Centre, NOC]**
- .4 Establishment and Maintenance of VRF for High Resolution Bathymetric Surfaces – **GBR/NLD**
- .5 Determining ellipsoidal height of MSL at the coast – **NLD**
- .6 Inventory of Tide gauges used by IHO Member States – **IHO/Chair**
- .7 Actual Tides On-line Link status – **IHO/Chair**
- .8 List of vertical datums in use to describe Chart Datum – **IHO/Chair**

4. Product Specification Presentations & Updates

- .1 Water Level Information for Surface Navigation (S-104) – work done to produce Ed 1.0.0, and towards compliance with S-100 Ed 5.0.0– **AUS/USA**
- .2 Surface Current Product Specification (S-111) – towards compliance with S-100 Ed 5.0.0 – **USA**
- .3 Engagement with S-100WG and other relevant subordinate bodies – **USA**
- .4 Overview of datums/reference systems with reference to S-104 & S-111 - **USA**
- .5 S-104 & S-111 Member State developments, Use cases, etc - **All**

5. IHO Resolutions and Charting Specifications

- .1 Review of relevant IHO Resolutions – **ZAF**
- .2 Review of relevant IHO Charting Specifications – **IHO**

6. IOC Programmes

- .1 Update on IOC Global Sea Level Observing System (GLOSS) Programme items and events – **USA**
- .2 Update on IOC Tsunamis & Other Hazards Related to Sea-Level Warning & Mitigation Systems (TOWS) Programme items and events – **CHL**

7. Capacity Building

- .1 Tides and Water Levels Workshop training material – **ZAF/AUS**

8. Any Other Business

- .1 Request by the Hydrographic Surveys WG (HSWG) for TWCWG assistance in revising the relevant sections of S-44 (Standards for Hydrographic Surveys) and C-13 (Manual on Hydrography) – **NGA/All**
- .2 Request by the Data Quality Working Group (DQWG) for TWCWG to investigate ‘data quality’ elements of water level and surface current data (including how to determine the “separation vertical uncertainty ratio” to allow use of Crowd Sourced Bathymetry (CSB) data – **Chair / NLD / All**
- .3 Request by NIPWG / HSSC13 Action 37, to review the text of IMO MSC.1-CIRC. 1610 and propose amendments as necessary. Specifically, MSC12 & MSC15 - **Chair**
- .4 Historical data recovery/data archaeology – **Chair / GBR [UK National Oceanography Centre (NOC)] / All**
- .5 Water level measured using GNSS receivers using Interferometric Reflection – **Chair / GBR [UK National Oceanography Centre (NOC)] / All**

9. Work Plan and ToRs

- .1 TWCWG Work Plan 2022-2023 up-dates – **IHO**
- .2 Review TWCWG ToRs and RoPs – **IHO**

10. Venue and dates of the 7th TWCWG Meeting (TWCWG7) – Chair/IHO**11. Review of Action Items from TWCWG6 – IHO****12. Development of TWCWG6 report to HSSC14 - Chair****13. Draft Agenda for TWCWG7 – Chair/IHO****14. Election of Chair and Vice Chair - IHO****15. Closing remarks – Chair/All**