# Tides, Water Level and Currents Working Group

*VTC,* *20-22 February 2024*

# Draft Agenda – (TWCWG8)

1. **Opening**
   1. Opening address – Chair / Vice Chair
   2. IHO comments – IHO

# Administrative Arrangements

* 1. Adoption of the Agenda and Apologies – Chair/IHO
  2. Programme and timetable of the Sessions – Chair/IHO
  3. Report on Intercessional Activities including HSSC15 – Chair
  4. Matters arising from TWCWG7/Review of Action Items – Chair

# 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. Historical data recovery/data archaeology – Chair / GBR [UK National Oceanography Centre (NOC)] / All
  5. Establishment and Maintenance of VRF for High Resolution Bathymetric Surfaces – GBR/NLD
  6. Determining ellipsoidal height of MSL at the coast – NLD
  7. Inventory of Tide gauges used by IHO Member States – IHO/Chair
  8. Actual Tides On-line Link status – IHO/Chair
  9. List of vertical datums in use to describe Chart Datum –IHO/Chair

# Product Specification Presentations & Updates

* 1. Water Level Information for Surface Navigation Product Specification (S-104); working toward Ed 2.0.0 – AUS/USA
  2. S-104 Papers: presentation and discussion – PRIMAR (Svein Skjaeveland)
  3. Surface Current Product Specification (S-111);

working toward Ed 2.0.0 – USA

* 1. Engagement with S-100WG and other relevant subordinate bodies – USA/Chair
  2. S-100 Part 10c Metadata File Name – USA (RM)
  3. S-104 & S-111 Member State developments, Use cases, etc. – All
  4. Survey on tides, water level and currents; data production method and data format (S-104 & S-111 products) –KHOA

# IHO Resolutions and Charting Specifications

* 1. Review of relevant IHO Resolutions – ZAF
  2. IHO Resolutions - Chart Datum definition in non-tidal areas (and tidal areas) - BRA
  3. Review of relevant IHO Charting Specifications – IHO

# 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
  3. The Japan 2024 Noto Peninsula Earthquake – JAP (JHOD)

# Capacity Building

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

# Any Other Business

* 1. Offer by the Hydrographic Surveys WG (HSWG) for TWCWG collaboration to improve tidal observation uncertainty standards within the relevant sections of S-44 (Standards for Hydrographic Surveys) –HSWG Chair / Chair / All
  2. Minimum metadata requirements for tide & water level gauges - GBR [UK National Oceanography Centre (NOC)]

# Work Plan and ToRs

* 1. TWCWG Work Plan 2023-2024 updates – IHO
  2. Review TWCWG ToRs and RoPs – IHO

1. **Venue** **and** **dates** **of** **the** **9th** **TWCWG** **Meeting** **(TWCWG9)** –IHO/ Chair
2. **Review** **of** **Action** **Items** **from** **TWCWG8** – IHO

# Development of TWCWG8 report to HSSC16 - Chair

1. **Draft** **Agenda** **for** **TWCWG9** –IHO/ Chair
2. **Closing** **remarks** – Chair/Vice Chair/IHO/All