

# IHO Tides, Water Level and Currents Working Group 6 Meeting- TWCWG6

\*\*Virtual Meeting [VTC]\*\*

05 - 07 April 2022

## 1. Instructions

Please join the TWCWG meeting from your computer, tablet or smartphone using the link provided in the covering email.

Time Zone Information for start time on each day:

		<i>Tue 5 Apr 2022</i>	<i>11:00</i>	<i>UTC</i>
<b>Region</b>	<b>Country</b>	<b>LOCAL Start Date</b>	<b>LOCAL Start Time</b>	<b>Time Zone in force</b>
Wollongong	Australia	Tue 5 Apr 2022	21:00	AEST
Brussels	Belgium	Tue 5 Apr 2022	13:00	CEST
Rio de Janeiro	Brazil	Tue 5 Apr 2022	08:00	BRT
Halifax	Canada	Tue 5 Apr 2022	08:00	ADT
Vancouver	Canada	Tue 5 Apr 2022	04:00	PDT
Santiago	Chile	Tue 5 Apr 2022	07:00	CLT
Beijing	China	Tue 5 Apr 2022	19:00	CST
Bogota	Colombia	Tue 5 Apr 2022	06:00	COT
Copenhagen	Denmark	Tue 5 Apr 2022	13:00	CEST
Tallinn	Estonia	Tue 5 Apr 2022	14:00	EEST
Helsinki	Finland	Tue 5 Apr 2022	14:00	EEST
Brest	France	Tue 5 Apr 2022	13:00	CEST
Hamburg	Germany	Tue 5 Apr 2022	13:00	CEST
Hyderabad	India	Tue 5 Apr 2022	16:30	IST
Jakarta	Indonesia	Tue 5 Apr 2022	18:00	WIB
Rome	Italy	Tue 5 Apr 2022	13:00	CEST
Tokyo	Japan	Tue 5 Apr 2022	20:00	JST
Monaco	Monaco	Tue 5 Apr 2022	13:00	CEST
Amsterdam	Netherlands	Tue 5 Apr 2022	13:00	CEST
Wellington	New Zealand	Tue 5 Apr 2022	23:00	NZST
Stavanger	Norway	Tue 5 Apr 2022	13:00	CEST
Lima	Peru	Tue 5 Apr 2022	06:00	PET
Lisbon	Portugal	Tue 5 Apr 2022	12:00	WEST
Cape Town	South Africa	Tue 5 Apr 2022	13:00	SAST
Busan	South Korea	Tue 5 Apr 2022	20:00	KST
Madrid	Spain	Tue 5 Apr 2022	13:00	CEST
Stockholm	Sweden	Tue 5 Apr 2022	13:00	CEST
Taunton	UK	Tue 5 Apr 2022	12:00	BST
Billings	USA	Tue 5 Apr 2022	05:00	MDT
Washington DC	USA	Tue 5 Apr 2022	07:00	EDT
Caracas	Venezuela	Tue 5 Apr 2022	07:00	VET

Ref: <https://www.timeanddate.com/worldclock/converter.html?iso=20220405T110000>

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### 2. Read-ahead Materials

See TWCWG6 Document list for download of all documents (<https://iho.int/en/twcwg6-2022>). Participants are reminded to read all of the documents available on <https://iho.int/en/twcwg6-2022>.

Summary of the three days:

#### Day 1: 05 April 2022

- a. TWCWG5 Report
- b. TWCWG5 Actions Chair Comments
- c. Programme Matters reports and updates
- d. Agreed revisions to relevant IHO resolutions

#### Day 2: 06 April 2022

- e. S-111 Product Specification Edition 1.1.1
- f. S-104 Product Specification Edition 1.0.0
- g. Any other Business

#### Day 3: 07 April 2022

- h. Any other Business continued
- i. Tides course material
- j. TWCWG documents
  - o Draft Work Plan 2021-2022
  - o ToRs

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### 3. Draft Agenda

#### **Day 1: 05 April 2022**

*All times in GMT Time Zone*

#### **Programme matters**

##### **11:00 – 12:00 – *Opening, Welcome and Administration***

- 1.1 – 1.3 Welcome, Opening Remarks and Meeting Expectations – **Chair/Vice Chair/IHO**
- 2.1 Approval of agenda and TWCWG5 Report - **IHO**
- 2.2 Programme and timetable of the sessions - **Chair**
- 2.3 Meeting administration, including H&S
- 2.4 Report on intersessional activities (HSSC13) - **Chair**
- 2.5 Review of Actions - **Chair/Secretary**

##### **12:00 – 13:00 – *Update on Programme Matters***

See 3.1 to 3.8 of main Agenda

##### **13:00 – 13:45 – *IHO Resolutions and Charting Specifications***

- 5.1 Agreed revisions to relevant IHO Resolutions – **ZAF**
- 5.2 Review of relevant IHO Charting Specifications - **IHO**

##### **13:45 – 14:00 – *Wrap-up***

#### **Day 2: 06 April 2022**

*All times in GMT Time Zone*

#### **Product Specifications Presentations & Updates; Any Other Business**

##### **11:00 – 11:05 – *Welcome and Plan for session***

##### **11:05 – 12:30 – *S-104 & S-111 Updates, Progress reports & Use Cases***

- 4.1 Water Level Information for Surface Navigation (S-104) - **AUS/USA**
- 4.2 Surface Current Product Specification (S-111) – **USA**
- 4.3 Engagement with S-100WG and other relevant subordinate bodies – **USA**
- 4.4 Overview of datums/reference systems with reference to S-104 & S-111 - **USA**
- 4.5 S-104 & S-11 Use cases - **All**

##### **12:30 – 13:45 – *Any Other Business items***

- 8.1. S-44 (Standards for Hydrographic Surveys) and C-13 (Manual on Hydrography) – **NGA/All**
- 8.2. Request by the Data Quality Working Group (DQWG) for TWCWG to investigate 'data quality' elements of water level and surface current data – **Chair / NLD / All**

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- 8.3. Request by NIPWG / HSSC13 Action 37, to review the text of IMO MSC.1-CIRC. 1610 – **Chair**
- 8.4. Historical data recovery/data archaeology – **Chair / GBR [UK National Oceanography Centre (NOC)] / All**
- 8.5. Water level measured using GNSS receivers using Interferometric Reflection – **Chair / GBR [UK National Oceanography Centre (NOC)] / All**

13:45 – 14:00 – **Wrap-up**

### **Day 3: 07 April 2022**

**All times in GMT Time Zone**

**Any Other Business continued (if required); Capacity Building; IOC Programmes; Work Plans and Elections**

11:00 – 11:05 – **Welcome and Plan for session**

11:05 – 12:05 – **Any Other Business continued (if required)**

12:15 – 13:00 – **Capacity Building<sup>g</sup>; IOC Programmes**

- 7.1 Tides and Water Levels Workshop training material – **ZAF**
- 6.1 Update on IOC GLOSS Programme items and events – **USA**
- 6.2 Update on IOC TOWS Programme items and events – **CHL**

13:00 – 13:20 – **Work Plan and ToRs**

- 8.1. TWCWG Work Plan up-dates - **IHO**
- 8.2. Review TWCWG ToRs and RoPs - **IHO**

13:20 – 13:30 – **Next meeting (TWCWG7)**

11. Venue and dates of the 7<sup>th</sup> TWCWG Meeting - **Chair/IHO**

13:30 – 13:40 – **Elections**

14. Election of the Chair and Vice-Chair in accordance with ToRs article 3c – **IHO**

13:40 – 14:00 – **Close**

15. Closing Remarks (Discussion on outstanding issues and post-meeting expectations/focus - **Chair**)

### TWCWG6 Attendees

See List of Participants document