

IHO Tides, Water Level and Currents Working Group 7 Meeting- TWCWG7

Virtual Meeting [VTC] 28
February – 02 March 2023

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>Tuesday 28 February</i>	<i>11:00</i>	<i>UTC</i>
Region	Country	LOCAL Start Date	LOCAL Start Time	Time Zone in force
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

<https://www.timeanddate.com/worldclock/converter.html>

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2. Read-ahead Materials

See TWCWG7 Document list for download of all documents (<https://iho.int/en/twcwg7-2023>). Participants are reminded to read all the documents available ahead of the meeting.

Summary of the three days:

Day 1: 28 February 2023

- a. TWCWG6 Report
- b. TWCWG6 Actions Chair Comments
- c. Programme Matters reports and updates
- d. Agreed revisions to relevant IHO resolutions

Day 2: 01 March 2023

- e. S-111 Product Specification Edition 1.2.0
- f. S-104 Product Specification Edition 1.1.0
- g. Any other Business

Day 3: 02 March 2023

- h. Any Other Business continued
- i. Tides course material
- j. TWCWG documents
 - o Draft Work Plan 2022-2023
 - o ToRs

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3. Draft Agenda

Day 1: 28 February 2023

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 Adoption of agenda and TWCWG6 Report - **IHO**
- 2.2 Programme and timetable of the sessions - **Chair**
- 2.3 Meeting administration, including H&S
- 2.4 Report on intersessional activities (HSSC14) - **Chair**
- 2.5 Review of Actions - **Chair/Secretary**

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

See 3.1 to 3.9 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: 01 March 2023

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/Chair**
- 4.4 S-104 & S-11 Member State developments, Use cases etc. - **All**

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

- 8.1 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**
- 8.2 IHO e-Learning center: <https://elearning.iho.int/> - **Chair / All**
- 8.3 Survey on tides, water level and currents data production method and data format (S-104 & S-111 products) – **KHOA**
- 8.4 Maritime Autonomous Surface Ships (MASS) – Gap Analysis in S-104 & S-111 – **Chair**
- 8.5 Minimum metadata requirements for tide & water level gauges - **GBR [UK National Oceanography Centre (NOC)]**

13:45 – 14:00 – **Wrap-up**

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Day 3: 02 March 2023

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**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 ; 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 8th 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**)

TWCWG7 Attendees

See List of Participants document