11th Meeting of the IHO TIDES, WATER LEVEL AND CURRENTS Working Group (TWCWG11)
Helsinki, Finland / Hybrid, 10-13 November 2026
All times in Eastern European Time (EET) [UTC+2 Hr]

Tuesday – 10th November – TWCWG11 – Day 1				
Time	Agenda	Event/Topic	Lead	Remarks
0900	**1** **1.1** **1.1** **1.3**	**Opening** Opening address. Host Welcome IHO comments.	 Chair / Vice Chair FIN IHO	
0915	**2** **2.1** **2.2** **2.3** **2.4**	**Administrative Arrangements** Adoption of Agenda and apologies. Programme and timetable of Sessions. Intersessional Activities including HSSC18. TWCWG10 Action Items.	 Chair/Vice Chair/IHO Chair/Vice Chair/IHO/FIN Chair Chair/Vice Chair	 Decision
1000	**3** 3.1	**National Presentations.** Presentations by delegates on "National Tidal, Water Level and Current issues and projects"	 All	possibly including S-104/S-111 – depending on how many national presentations we have
1100		Coffee Break		
1120	3.1	National Presentations continued.	All	
1230		Lunch Break		
1345	4 4.1 4.2 4.7 4.8	**Programme Matters** Standard Constituent List. Chart Datum epochs and vertical datums. Gauge/ current-meter inventory. Actual Tides & Currents On-Line Links (ATOLL) status.	 GBR/Chair/All Chair/All Chair/All Chair/All	
1500		Coffee Break		
1520	4.5 4.6 4.3 4.4	VRF for high-resolution bathymetry. Ellipsoidal height of MSL**.** IAPSO Best Practice Study. Historical data recovery.	GBR/NLD/NSHC TWG NLD NOC/All NOC/All	
1700		Close Day 1		

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Wednesday – 11th November – TWCWG11 – Day 2				
Time	Agenda	Event/Topic	Lead	Remarks
0900	**5** 5.1 5.2 5.3	**Product Specifications (S-104, S-111 and S-158)** Statement of Work delivery. S-104 Clarification Edition 2.0.1: review and approval. S-111 Clarification Edition 2.0.1: review and approval.	 Chair S-104 PT/Portolan/All S-111 PT/Portolan/All	 Progress update Decision Decision
1100		Coffee Break		
1120	5.4 5.5 5.6 5.7	S-158:104 and S-158:111 updates. S-104 and S-111 Revision Editions 2.1.0: significant new issues, scope and approval route. Engagement with relevant IHO WGs: S-100WG and interoperability with S-98, S-101 and S-102. • dataOffsetCode discussion. • S-101 dynamic bridge clearances – awareness update. Temporal Selection and Display of Time-Varying S-100 Environmental Data in ECDIS (S-98 affecting S-111 and S-104).	Portolan/PT/All Portolan/PT/All Portolan/PT Chair/All CAN/S-98 Lead/PT/All	Checks/severity Decision
1230		Lunch Break		
1345	5.8 5.9 5.10 5.11	MSA China papers on proposed amendments to S-104 PS Edition 2.0.0: • Amendments to improve S-104 consistency and accuracy. • Mandatory S-104 portrayal to improve QC and user confidence. • Water-level measurement quality indicators for S-104 and S-98. KHOA paper on S-111 Thinning Algorithm Consideration (S-98) Implementation experience: test datasets, tooling, validation, sea trials, portrayal, integration and operational use. Open Source support for S-100 products through IHO/RENC Special Projects Funding.	MSA China / All KHOA / KRISO/ All All USA	 5.10 MS Presentations & Discussion
1500		Coffee Break		
1520	5.12 5.13 5.14 5.15 5.16	KHOA survey and Member State production approaches. Baltic Sea and North Sea/ÖKS harmonisation guidance. TWCWG GitHub repository and issue management. Future maintenance model for S-104, S-111 and S-158, including potential “S-105”. S-104/S-111 Dataset Succession and File Naming – Agreement of a Common Approach	KOR/NOR/All SWE/DEU/NSHC TWG Chair/Portolan/USA/All Chair AUS/GBR	

	5.17	Proposal on Vertical Datum Compatibility between S-104 and S-102 and on the Encoding of the Vertical Datum Epoch	BRA	
	5.18	Proposal to Require Uncertainty in S-104 Datasets Intended for Navigation and to Specify its Confidence Level	BRA	
1700		Close Day 2		

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Thursday – 12th November – TWCWG11 – Day 3				
Time	Agenda	Event/Topic	Lead	Remarks
0900	**6** 6.5	**IHO Resolutions, Charting Specifications, S-44 & C-13** C-13 Manual on Hydrography – TWCWG contribution.	 HSWG C-13 Rep/Task Group	 Decision
1000	**5**	**Product Specifications (S-104, S-111 and S-158)** *Additional Time to re-visit Day 2 topics if required.*		
1100		Coffee Break		
1120	**6** 6.1 6.2	**IHO Resolutions, Charting Specifications, S-44 & C-13 *continued*** Review of relevant IHO Specifications. Review of relevant IHO Charting Specifications.	 Chair/Vice Chair/IHO Chair/Vice Chair/IHO	
1150	**7** 7.1	**IOC Programmes** Update on IOC TOWS Programme items and events	CHL TOWS	
1230		Lunch Break		
1345	**6** 6.3 6.4	**IHO Resolutions, Charting Specifications, S-44 & C-13 *continued*** Chart Datum definition in tidal, non-tidal and mixed river environments. S-44 tidal and current observation uncertainty.	 BRA/All BRA/HSWG/All	
1445	**7** 7.2	**IOC Programmes *continued*** Update on IOC GLOSS Programme items and events	GLOSS Chair	
1500		Coffee Break		
1520	**8** 8.1	**Capacity Building** Tides and Water Levels Workshop training material	 ZAF/AUS/USA/All	
1600	**9** 9.1 9.2 9.3	**Any Other Business *continued*** Transition from aggregated printed tide tables to digital/web services. Special Activity Funding with IC-ENC / PRIMAR Other matters submitted by Member States	 CAN/All Chair All	
1700		Close Day 3		

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Friday – 13th November – TWCWG11 – Day 4				
Time	Agenda	Event/Topic	Lead	Remarks
0900	**9**	**Any Other Business *continued***	All	
0930	**10**	**Work Plan and ToR's**		
	10.1	Work Plan 2026-2027.	Chair/Vice Chair/IHO	
	10.2	Review ToRs and RoPs.	Chair/Vice Chair/IHO	
	10.3	Election of Chair and Vice Chair.	IHO/All	
1100		*Coffee Break*		*May not be required*
1120	11	**Venue and dates of TWCWG12.**	Chair/Vice Chair/IHO	
	12	**Review TWCWG11 Actions.**	Chair/Vice Chair/All	
	13	**Report to HSSC19.**	Chair/Vice Chair	
	14	**Draft Agenda for TWCWG12.**	Chair/Vice Chair	
	15	**Closing remarks.**	Chair/Vice Chair/IHO/FIN	
1230		Close Day 4 **Meeting ends**		