

Workshop on future radionavigation and radiocommunication systems

WORKSHOP PROGRAMME

DAY 1 – Monday 2026 – 09 February 2026

Time	Activity	
08:30 – 09:00	Registration and morning tea/coffee	
09:00 – 10:20	Session 1 – Welcome and introductions	Chair – Hideki Noguchi (JSTRA)
09:00 – 09:20	Welcome from the host	Mike Bullock (NLB)
09:20 – 09:40	Welcome from IALA	Omar Eriksson (IALA)
09:40 – 10:00	Workshop scope and purpose	Hideki Noguchi (JSTRA)
10:00 – 10:20	WWA updates on Capacity building	Vincent Denamur (IALA WWA)
10:20 – 10:40	Coffee Break	
10:40 – 12:00	Session 2 – Regulatory Constraints and Technical Capability	Chair – Stefan Bober (WSV)
10:40 – 11:00	Overview of Maritime Spectrum Regulations and Gaps	Falong Liu (TBC) – online
11:00 – 11:20	Experience from VDES and AIS: Regulatory Adaptation for New Technologies	Hideki Noguchi (JSTRA)
11:20 – 11:40	Experience from SBAS: Regulatory adaptation for marine radionavigation	Hideki Noguchi (JSTRA)
11:40 – 12:00	Session 2 Q&A	
12:00 – 13:00	Lunch	
13:00 – 13:20	Session 3 – Users’ view on radionavigation and communication	Chair – Phillip Day (NLB)
13:20 – 13:40	ARM perspective on MARCOM	R. David Lewald (U.S. Coast Guard)
13:40 – 14:00	Digital VTS and the Future of Maritime Connectivity	Olli Soinen (Fintraffic)
14:00 – 14:20	Standard Navigation for GNSS Disruption: Bringing Visual Perception Back to the Forefront	Capt Aly Elsayed (AFNI)
14:20 – 14:40	Session 3 Q&A	
14:40 – 15:00	Break	
15:00 – 15:20	Session 4 – VHF radio navigation and communication	Chair – Peter Douglas (NLB)
15:20 – 15:40	VDES as a communication system	Stefan Pielmeier (FLIR TransponderTech AB)
15:40 – 16:00	VDES R-Mode	Ronald Raulefs (DLR)
16:00 – 16:20	VHF digital radio	Jeffrey van Gils (RWS WVL)
16:20 – 16:40	Session 4 Q&A	
17:00 – 18:30	Welcome reception	



DAY 2 – Tuesday 2026 – 10 February 2026

Time	Activity	
09:00 – 10:00	Session 5 – LF/MF/HF radio navigation and communication	Chair – Gillian Burns (NLB)
09:00 – 09:15	e-Loran	Dr Jan Safar (TH, GRAD)
09:15 – 09:30	Advancing the Korean eLoran System: Development Status and New LDC design	Ki-yeol Seo (KRISO)
09:30 – 09:50	DGNSS and MF R-Mode	Stefan Gewies (DLR)
09:50 – 10:10	NAVDAT	Pierre Mingot (Cerema)
10:10 – 10:30	Session 5 Q&A	
10:30 – 10:40	Coffee Break	
10:40 – 12:00	Session 6 – IMT and other technology	Chair – Ronald Raulefs (TBC)
10:40 – 11:00	The potential of the IMT technology family, considering the outcome of the IMT workshop 2025	Jan-Hendrik Oltmann (WSV)
11:00 – 11:20	IMT 2030 (6G)	Hyunhee Koo (SyncTechno)
11:20 – 11:40	INS and Quantum Navigation	Dr Kevin Sheridan (TH, GRAD)
11:40 – 12:00	Session 6 Q&A	
12:00 – 13:00	Coffee Break	
13:00 – 14:40	Session 7 – Satellite (1)	Chair – Dennis Khoo (MPA)
13:20 – 13:40	Growing Risks to Maritime Safety	Omar Eriksson (IALA)
13:40 – 14:00	Galileo return link	Eduardo Diaz (EUSPA)
14:00 – 14:20	SBAS as a radionavigation system	Jose-Luis Martin (ESSP)
14:20 – 14:40	Session 7 Q&A	
14:40 – 15:00	Lunch / Break	
15:00 – 15:40	Session 8 – Satellite (2)	Chair – Hideki Noguchi (JSTRA)
15:20 – 15:40	Inmarsat	John Dodd (Inmarsat)
15:40 – 16:00	Iridium	Dan Rooney (Iridium)
16:00 – 16:20	Status of the satellite communication systems	Nader Alagha (ESA)
16:20 – 16:40	Session 8 Q&A	

DAY 3 – Wednesday 2026 – 11 February 2026

Working groups

Time	Activity	
09:00 – 16:00	Session 9 – Establishing working groups	
	WG1 – MarCom	Chair – Stefan Pielmeier (FLIR TransponderTech AB) Vice-Chair – Stefan Bober (WSV)
	WG2 – MarNav	Chair – Jeffrey van Gils (RWS WVL) Vice-Chair – Stefan Gewies (DLR)
10:20 – 10:40	Coffee Break	
12:00 – 13:00	Lunch	
14:30 – 15:00	Coffee Break	
16:00 – 18:00	Technical Visit on board a vessel	
18:30 – 20:00	Workshop Dinner <i>*Leaving the NLB HQ at 15:00</i>	



**DAY 4 – Thursday 2026 – 12 February 2026****Working groups**

Time	Activity	
09:00 – 17:00	Session 10 – Establishing working groups	
	WG1 – MarCom	Chair – Stefan Pielmeier (FLIR TransponderTech AB) Vice-Chair – Stefan Bober (WSV)
	WG2 – MarNav	Chair – Jeffrey van Gils (RWS WVL) Vice-Chair – Stefan Gewies (DLR)
10:20 – 10:40	Coffee Break	
12:00– 13:00	Lunch	
15:00– 15:20	Coffee Break	

DAY 5 – Friday 2026 – 13 February 2026

Time	Activity	
09:00 – 10:00	Session 11 – WG report	Chair – Omar Eriksson (IALA)
09:00 – 09:20	WG 1 report	Chair – Stefan Pielmeier (FLIR TransponderTech AB) Vice-Chair – Stefan Bober (WSV)
09:20 – 09:40	WG 2 report	Chair – Jeffrey van Gils (RWS WVL) Vice-Chair – Stefan Gewies (DLR)
10:00 – 10:20	Session 11 Q&A/Discussion	
10:20 – 11:00	Coffee Break	
11:00 – 11:40	Session 12 – Workshop Conclusions	Chair – Hideki Noguchi (JSTRA)
11:00 – 11:20	Summary of Workshop Findings	Hideki Noguchi (JSTRA)
11:20 – 11:30	Remarks from the host	Mike Bullock (NLB)
11:30 – 11:40	Remarks from IALA	Omar Eriksson (IALA)