



20 – 24 February 2022

# WORKSHOP ON DIGITAL MARITIME COMMUNICATION

Etchujima Campus of the Tokyo University of Marine Science and Technologies, Tokyo

## WORKSHOP PROGRAMME

DAY 1 – Monday, 20<sup>th</sup> February 2023

Time	Activity	
0930-1000	Registration for Workshop participants – Industrial exhibition	
<b>1000 – 1130</b>	<b>Session 1 – Opening of the Workshop</b>	<b>Chair: Hideki Noguchi – JCG</b>
5 min	Welcome from JCG	Rear Admiral Tsuguo Awai – JCG
5 min	Welcome from IALA	Sec. Gen. Francis Zachariae
5 min	Administration and Safety Briefing	JCG staff
15 min	Working programme of the week and expectations	Hideki Noguchi
20 min	IALA documentation on digital MARCOM	Minsu Jeon – IALA
20 min	AtoN communication/ requirement and challenge	Dave Leewald – USCG
20 min	VTS communication/ requirement and challenge	Tuomas Martikainen – Finnish Transport Infrastructure Agency / Dirk Eckhoff – WSV
1130 – 1145	Group photo	
1145 – 1300	Lunch - Industrial exhibition	
1200 – 1300	Registration for open forum participants	
<b>1300 – 1430</b>	<b>Session 2 – The case for Digital MARCOM</b>	<b>Chair: Jillian Carson-Jackson – NI</b>
15 min	The case for digital maritime communications	Guy Platten – ICS
15 min	Digital Communications supporting seafarer welfare	Anuj Chopra – ESG
15 min	Demand for maritime digitalisation - Maritime Informatics	Mikael Lind – RISE
15 min	Digital Comms to support shipping (case study)	Yushu Horie – TST Cooperation
15 min	Digital VHF Voice in port (case study/operational trials)	Derek Love – CLM / Jeffrey van Gils – RWS
15 min	Q & A	
1430-1500	Break - Industrial exhibition	
<b>1500 – 1630</b>	<b>Session 3 – Overview for Digital MARCOM</b>	<b>Chair: Jorge Arroyo – USCG</b>
15 min	State of art digital MARCOM technologies	Yoshihiko Imada – JRC
15 min	IMT technologies based maritime evolution	Hyunhee Koo – 3GPP
15 min	Digital voice over VHF radio	David Rowe – Rowetel
15 min	NAVDAT	Jean Charles Cornillou – Cerema
15 min	Maritime Communication with Satellite - Overview	Woo-seong Shim – KRISO
15 min	VDES Satellite – Digital data exchange	Lars Moltsen – Sternula
1630-1700	Break - Industrial exhibition	
<b>1700 – 1800</b>	<b>Session 4 – Open forum / Panel discussion</b>	<b>Moderator: Ruri Shoji – TUMST</b>
45 min	Panel discussion: Sec. Gen. / Japan / Singapore / Netherlands	Francis Zachariae / Tsuguo Awai / Capt. Segar / Maarten Berrevoets
10 min	Q&A	
5 min	Summary of day	Hideki Noguchi
1800– 1930	<b>Workshop Icebreaker</b> Venue: Marine café in the Tokyo University Dress code: Casual	

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International Association of Marine Aids to Navigation and Lighthouse Authorities  
 Association Internationale de Signalisation Maritime

**DAY 2 – Tuesday, 21<sup>st</sup> February 2023**

Time	Activity	
<b>0900 – 1015</b>	<b>Session 5 – Digital MARCOM – where we are today</b>	<b>Chair: Axel Hahn – DLR</b>
15 min	General requirements	Alexander Schwarz – IMO
15 min	Manufacturer view	Richard Doherty – CIRM
15 min	Inmarsat services	Peter Broadhurst – Inmarsat
15 min	Other satellite services	Richard Smale – OneWeb
15 min	Q&A	
<b>1015 – 1045</b>	<b>Break</b>	
<b>1045 – 1200</b>	<b>Session 6 – Digital MARCOM – looking to the future</b>	<b>Chair: Omar Eriksson – IALA</b>
15 min	ITU – digitalisation of Mobile band	Stefan Bober – WSV
15 min	IHO – S100 / SECOM	Svein S. Skjaeveland – PRIMAR
15 min	Maritime Service Platforms	Axel Hahn
15 min	Future skill sets in a digital MARCOM world	Rob Gale – IMEC
15 min	Q & A / close of Open Forum	
<b>1200 - 1300</b>	<b>Lunch</b>	
<b>1300-1500</b>	<b>Working Groups</b>	<b>Chair: Hideki Noguchi</b>
20 min	Introduction of WG (5 min introduction each) Introduction of WG1 “Operation” Introduction of WG2 “Technologies” Introduction of WG3 “Human factor”	WG1 Chair: Dave Leewald WG2 Chair: Martjin Ebben – Port of Rotterdam WG3 Chair: Jillian Carson-Jackson
10 min	Guidance for the Working Groups	Minsu Jeon
90 min	WG Meetings	WG Rooms assigned: WG1 – Operation WG2 – Technologies WG3 – Human factor
<b>1500 – 1530</b>	<b>Break</b>	
<b>1530 – 1700</b>	<b>Session 7 – WG meetings</b>	

**DAY 3 – Wednesday, 22<sup>nd</sup> February 2023**

Time	Topics	
<b>0900 – 1030</b>	<b>Session 8 – WG meetings</b>	
<b>1030 – 1100</b>	<b>Break</b>	
<b>1100 – 1300</b>	<b>Session 9 – WG meetings</b>	
	Continue development of guidance development, moving from defining structure to writing content.	
<b>1300 – 1400</b>	<b>Lunch</b>	
<b>1400 – 1730</b>	<b>Technical visit</b>	
<b>1900 - 2100</b>	Workshop Dinner Venue: Dress code: Casual	

**DAY 4 – Thursday, 23<sup>rd</sup> February 2023**

Time	Activity	
<b>0900 – 1030</b>	<b>Session 10 – WG meetings</b>	
<b>1030 – 1100</b>	<b>Break</b>	
<b>1100 – 1300</b>	<b>Session 11 – WG meetings</b>	
<b>1300 – 1400</b>	<b>Lunch</b>	
<b>1400 – 1530</b>	<b>Session 12 – Plenary</b>	<b>Chair: Hideki Noguchi</b>
	WG reports and develop the report including roadmap	
<b>1530 – 1600</b>	<b>Break</b>	
<b>1600 – 1730</b>	<b>Session 13 - Plenary</b>	<b>Chair: Hideki Noguchi</b>
	Develop the report including roadmap	



DAY 5 – Friday, 24<sup>th</sup> February 2023

Time	Activity	
<b>0900 – 1030</b>	<b>Session 14 – Plenary</b>	<b>Chair: Hideki Noguchi</b>
90 min	Review the report	
<b>1030 – 1100</b>	<b>Break</b>	
<b>1100 – 1215</b>	<b>Session 15 – Plenary</b>	<b>Chair: Hideki Noguchi</b>
75 min	Review the report	
<b>1215 – 1230</b>	<b>Session 16 – Closing</b>	<b>Chair: Hideki Noguchi</b>
5 min	Closing remarks from JCG	
5 min	Closing remarks from IALA	
5 min	Closure	