



WORKSHOP ON INITIAL OPERATING CAPABILITY (IOC) PHASE FOR E-NAVIGATION SERVICES

Singapore, 8 to 10 April 2019

Venue: InterContinental Singapore (80 Middle Road, Singapore 188966)



WORKSHOP PROGRAMME

DAY 0 – Sunday, 7 April 2019 Workshop on Initial Operating Capability (IOC) phase for e-Navigation Services

Time	Activity	
From 1430 hrs	Opening Ceremony for Singapore Maritime Week 2019 and Singapore Maritime Week Exhibition (Bicentennial Edition)	Workshop participants are cordially invited to the Opening Ceremony for Singapore Maritime Week 2019 at Marina Square (6 Raffles Boulevard, Singapore, 039594).

Workshop participants will also have the opportunity to participate in key events during the Singapore Maritime Week 2019.

Events include:

1. Opening Ceremony of the 14th Singapore Maritime Week
 - a. Sunday, 7 April, 1430-1530hrs at Marina Square (full details will be provided)
2. Singapore Maritime Technology Conference (SMTC)
 - a. Wednesday, 10 April to Friday, 12 April (full details will be provided)
3. Sea Asia 2019
 - a. Tuesday, 9 April to Thursday, 11 April at Marina Bay Sands
 - b. Refer to www.sea-asia.com for more information. Free admission to the exhibition upon registration as trade visitor; fee applies for the Sea Asia Conference.

Please refer to www.smw.sg for further details. You can indicate your interest to the MPA contacts to facilitate your participation in the three listed events or others that have not been listed above. MPA will facilitate a discounted rate, where possible, for chargeable events.

Singapore Maritime Week 2019 6 – 12 April 2019





DAY 1 – Monday, 8 April 2019 Workshop on Initial Operating Capability (IOC) phase for e-Navigation Services

Time	Activity	Remarks
0830 – 0915	Steering Committee Meeting with Session Chairs and Rapporteurs	
0900 – 0955	Registration and Networking	
1000 – 1100	Session 1 – Opening of the Workshop	Chair: David Foo
1000 – 1005	Administrative and Safety Briefings	MPA
1005 – 1015	Opening by Singapore	Senior Minister of State Ministry of Transport Dr Lam Pin Min
1015 – 1030	Welcome from IALA	IALA Secretary General, Francis Zachariae
1030 – 1045	Featured presentation 1	Capt. Muhammad Segar, MPA Assist Chief Executive Operations
1045 – 1100	Featured presentation 2	Mr Morten Lero, Regional Head of Maritime Advisory North Europe
1100 - 1110	Featured presentation 3	Mr Esben Poulsen, Executive Chairman Enesel Pte Ltd and Chairman, International Chamber of Shipping and President, Singapore Shipping Association.
1110 – 1115	Signing of MOU between International Chamber of Shipping and its Regional Partners, Asian Shipowners' Association and European Community Shipowners' Association	
1115 – 1145	Break	
1145 – 1545	Session 2 – Presentations by expert speakers	Chair: Hideki Noguchi
1145 – 1245	e-Navigation Test Beds 1. STM / EfficienSEA – Speaker: 2. SESAME Straits – Speaker: 3. SMART / eMIR – Speaker:	15 min for each presentation with 5 min Q&A Fredrik Karlsson Jon Leon Ervik Jin Park and Axel Hahn
1245 – 1305	IMO Maritime Service Guidance developed by IMO/IHO HGDM	Sunbae Hong
1305 – 1325	Common Maritime Data Structure (with S-100)	Julia Powell
1325 – 1425	Lunch	
1425 – 1445	IALA S-200 and MRN	Minsu Jeon
1445 - 1505	VDE / VDES developments	Dr Peng Xiaoming
1505 – 1525	Digital Maritime Services – a case study	Wen Jie
1525 – 1545	Discussion	
1545 – 1615	Break -- group photo	
1615 – 1700	Session 3 – Goals and objectives of the workshop	Chair: David Foo
1615 – 1625	Workshop aim and objectives in general	Jorge Arroyo
1625 – 1635	Introduction and objectives PG1 on MS1 (INS)	Chair PG1: Axel Hahn
1635 – 1645	Introduction and objectives PG2 on MS8 (VSR)	Chair PG2: Jon Leon Ervik
1645 – 1655	Introduction and objectives PG3 on Communication networks	Chair PG3: Wey Lin Tang
1655 – 1700	Conclusion of Day 1	David Foo / Hideki Noguchi
1800 – 2000	Workshop dinner Dress code: Smart casual Venue: InterContinental Hotel	

DAY 2 – Tuesday, 9 April 2019 Workshop on Initial Operating Capability (IOC) phase for e-Navigation Services

Time	Project Groups		
Session 4 Co-ordinator: Jorge Arroyo	PG1 – MS1 VTS Information Service (INS) Chair: Axel Hahn Rapporteur: Teo Tze Kern	PG2 – MS8 Vessel Shore Reporting (VSR) Chair: Jon Leon Ervik Rapporteur: Michael Bergmann	PG3 – Communication networks Chair: Wey Lin Tang Rapporteur: Jillian Carson-Jackson
0900 – 1030	Discussion – maritime services	Discussion – maritime services	Discussion – All PG3
1030 – 1100	Break		
1100 – 1230	Discussion – technical service	Discussion – technical service	Discussion – All PG3
1230 – 1400	Lunch		
1400 – 1500	Discussion – data model and communication	Discussion – data model and communication	Discussion – All PG3



1530 – 1600	Break		
1600 – 1700	Conclusions and report PG1	Conclusions and report PG2	Conclusions and report PG3
1700 – 1800	Steering Committee, Project Group Chairs and Rapporteurs meet to discuss conclusions workshop		
Free & Easy			

DAY 3 – Wednesday, 10 April 2019 Workshop on Initial Operating Capability (IOC) phase for e-Navigation Services

Time	Activity	
0900 – 1030	Session 5 – Reports from project groups (PG)	Chair: Jorge Arroyo
0900 – 0930	Report Project Group 1:	PG chair (or rapporteur)
0930 – 1000	Report Project Group 2:	PG chair (or rapporteur)
1000 – 1030	Report Project Group 3:	PG chair (or rapporteur)
1030 – 1100	Break	
1100 – 1150	Session 6 - Conclusions and Closing	Chair: Hideki Noguchi
1100 – 1130	Workshop review and conclusions	Hideki Noguchi / David Foo
1130 – 1140	Technical tour arrangements and briefing	MPA Singapore
1140 – 1150	Closing remarks	Secretary General IALA
1200 – 1300	Lunch	
1300 – 1600	Session 7 – Site Visit	Chair: MPA
1300 – 1600	Visit to MPA's Maritime Innovation Lab (MIL), Port Operations Control Centre (POCC), and the Singapore Maritime Gallery (SMG)	Group A: Tour of MIL, POCC and SMG 1330 – MIL Tour 1400 – POCC Tour 1430 – Travel to MSP 1500 – SMG Tour 1600 – End of tour and travel to hotel Group B: Tour of POCC, MIL and SMG 1330 – POCC Tour 1400 – MIL Tour 1430 – Travel to MSP 1500 – SMG Tour 1600 – End of tour and travel to hotel Group C: Tour of SMG, POCC and MIL 1330 – SMG Tour 1430 – Travel to Vista 1500 – POCC Tour 1530 – MIL Tour 1600 – End of tour and travel to hotel
Free & Easy		

Workshop participants are encouraged to also participate at the SMTC and Sea Asia 2019 after the completion of the workshop on 10 April.