

# Programme Overview



Ministry of Infrastructure  
and Water Management

## Day 1 Monday - 12 April

11:00-13:55 UTC | 12:00-14:55 CET  
Live broadcast

40 min		Opening session
4 min		Household/safety briefing
7 min		Welcome speech <i>IALA Secretary-General</i>
7 min		Welcome speech <i>Mayor of Rotterdam</i>
7 min		Welcome speech <i>NL Minister of Infrastructure and Water Management</i>
15 min		Keynote speech <i>IHO Secretary-General Matthias Jonas</i>
10 min		Coffee/Tea break
10 min		Session 0.5 - Introductory session by VTS and ENAV Committee Chairs (setting the scene) <i>Monica Sundklev and Hideki Noguchi</i>
45 min		Session 1 - Opportunities in a digital world <i>Chair: Hideki Noguchi</i>
3 min		Session introduction
15 min		Future VTS' - Embracing opportunities in a digital world (284) <i>Neil Trainor, AMSA, Australia</i>
15 min		Whenever e-Navigation lost its holistic edge (277) <i>Jan-Hendrik Oltmann, Federal Waterways and Shipping Administration, Germany</i>
12 min		Questions and Answers
10 min		Coffee/Tea break
60 min		Session 2 - Developing VTS <i>Chair: Monica Sundklev</i>
3 min		Session introduction
15 min		Introduction on China's VTS management and future development (272) <i>JIN Shengli, China MSA</i>
15 min		Case study: VTS of Colombia (239) <i>Juan Carlos Ospinas Arias, Servicio Nacional de Aprendizaje (SENA), Colombia</i>
15 min		Introduction of development on effective calculation formula for adequate number of VTS operator (211) <i>JEONG Byung-Woo, Korea Coast Guard</i>
12 min		Questions and Answers

## Day 2 Tuesday - 13 April

11:00-14:20 UTC | 12:00-15:20 CET  
Live broadcast

60 min		Session 3 - Managing risk <i>Chair: Trond Ski</i>
3 min		Session introduction
15 min		Analyses of AIS data for real time risk detection in maritime traffic (204) <i>Takehiro KATO, Japan Coast Guard</i>
15 min		Artificial intelligence to predict long term collision risk (243) <i>Jordi DANIELS, SAAB Technologies, Sweden</i>
15 min		Risk management in XiaZhiMen channel (238) <i>KE Ranxuan, Navigation Institute of Jimei University, PR of China</i>
12 min		Questions and Answers
10 min		Coffee/Tea break
60 min		Session 4 - Anomaly detection and decision support <i>Chair: Jorge Arroyo</i>
3 min		Session introduction
15 min		VTS intelligent technology (234) <i>Li Lina, School of Navigation, Jimei University, PR of China</i>
15 min		Development and trials of the concept of new generation decision support system in VTS (258) <i>Dmitry ROSTOPSHIN, Wärtsilä Digital Technologies, Russia</i>
15 min		Analysis paralysis: breaking free from traditional decision making in the VTS environment (286) <i>Ernest BATTY, IMIS Global Limited, UK</i>
12 min		Questions and Answers
10 min		Coffee/Tea break
60 min		Session 5 - Embracing ENAV <i>Chair: Mahesh</i>
3 min		Session introduction
15 min		A lay-person's description of e-Navigation (273) <i>Axel HAHN, OFFIS e.V, Germany</i>
15 min		The shift from Product to Services (209) <i>Mathieu AILLERIE, Airbus Defence and Space SAS, France</i>
15 min		Canada's eNavigation architecture and the place for VTS (257) <i>Jean-François COUTU, Canadian Coast Guard</i>
12 min		Questions and Answers

## Day 3 Wednesday - 14 April

11:00-14:20 UTC | 12:00-15:20 CET  
Live broadcast

60 min		Session 6 - Connectivity and resilient PNT <i>Chair: Michael Hoppe</i>
3 min		Session introduction
15 min		VDES developments with a focus on R-Mode (280) <i>Jan SAFAR, General Lighthouse Authorities, UK</i>
15 min		A demonstration experiment for the practical implementation of VDES (203) <i>Tomoya NAKAJIMA, Japan Coast Guard</i>
15 min		R-Mode Baltic – Testbed for safe navigation at the Baltic Sea (259) <i>Stefan GEWIES, German Aerospace Center (DLR)</i>
12 min		Questions and Answers
10 min		Coffee/Tea break
60 min		Session 7 - Digital communication <i>Chair: Jin Park</i>
3 min		Session introduction
15 min		Developments in maritime radio communication - Outcome of the World Radiocommunication Conference 2019 (263) <i>Stefan BOBER, Federal Waterways and Shipping Administration, Germany</i>
15 min		Camera-based location detection of non-AIS vessels (202) <i>Kazuhiko NAKAMURA, Japan Coast Guard</i>
15 min		Internet AIS of e-Navigation background (221) <i>HU Sihui, Yangshangang Maritime Safety Administration, PR China</i>
12 min		Questions and Answers
10 min		Coffee/Tea break
60 min		Session 8 - Navigation safety <i>Chair: Robert Townsend</i>
3 min		Session introduction
15 min		VTS and e-Navigation: Traffic organisation by moving havens (229) <i>Thomas PORATHÉ, Norwegian University of Science and Technology</i>
15 min		Computer-based aptitude test: an alternative assessment method for the candidate VTSO - (VTS-CAT) <i>Burçin ERLEVENT, Directorate General for Coastal Safety, Turkey</i>
15 min		Technology Psychology - looking at the skill set for VTS Personnel in a changing maritime environment (260) <i>Jillian Carson-Jackson, The Nautical Institute</i>
12 min		Questions and Answers

## Day 4 Thursday - 15 April

11:00-14:05 UTC | 12:00-15:05 CET  
Live broadcast

60 min		Session 9 - Transport chain efficiency <i>Chair: Dirk Eckhoff</i>
3 min		Session introduction
15 min		The changing world of VTS - From analog binoculars to digital decisions, increasing capacity and accuracy (266) <i>Anders JOHANNESSON, Swedish Maritime Administration</i>
15 min		The PortCDM (Port Collaborative Decision Making) concept (271) <i>Michael BERGMANN, International PortCDM Council, RISE, Germany</i>
15 min		The progress and prospect on e-Navigation of China MSA (282) <i>XU Binsheng, Maritime Safety Administration, PR China</i>
12 min		Questions and Answers
10 min		Coffee/Tea break
60 min		Session 10 - Safety and security in a connected world <i>Chair: Neil Trainor</i>
3 min		Session introduction
15 min		Is '5G' for e-Navigation and VTS? (276) <i>Jan-Hendrik OLTmann, Federal Waterways and Shipping Administration, Germany</i>
15 min		A tale of 5 ships (230) <i>Todd SCHUETT, SESAME Solution II Project, Norway</i>
15 min		Cyber-security in VTS (201) <i>Martijn EBBEN, Port of Rotterdam, The Netherlands</i>
12 min		Questions and Answers
10 min		Coffee/Tea break
45 min		Closing session <i>Chair: Monica and Hideki</i>
15 min		Symposium summary and highlights
10 min		Presentation Conference 2022 - Brazil
10 min		Presentation Symposium 2024 - Singapore
10 min		Closing ceremony
10 min		Closing speech by IALA Secretary-General

## Day 5 Friday - 16 April

11:00-13:20 UTC | 12:00-14:20 CET  
Live broadcast

75 min	Session 12 - MASS challenges <i>Chair: Pieter Paap</i>
3 min	Session introduction
15 min	VTS and MASS - Responsibilities and consequences (249) <i>Pia MELING, Massterly AS, Norway</i>
15 min	MASS for aids to navigation needs - The Chilean approach (250) <i>James CRAWFORD, Chilean Navy DIRECTEMAR, Chile</i>
15 min	A decision support tool based on the collision avoidance algorithm for autonomous ships (253) <i>Koichi NISHIMURA, TST Corporation, Japan</i>
15 min	Innovations needed for autonomous and sustainable shipping technology (233) <i>Harmen VAN DORSSER, Port of Rotterdam, The Netherlands</i>
12 min	Questions and Answers
10 min	Coffee/Tea break
55 min	Closing session <i>Chair: Monica and Hideki</i>
15 min	Symposium summary and highlights
10 min	Presentation Conference 2022 - Brazil
10 min	Presentation Symposium 2024 - Singapore
10 min	Closing ceremony
10 min	Closing speech by IALA Secretary-General

