



IALA VTS COMMITTEE

REPORT OF THE 57th SESSION OF THE IALA VESSEL TRAFFIC SERVICES (VTS) COMMITTEE

14 – 27 March 2025

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27 March 2025

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Report of the 57th session of the IALA Vessel Traffic Services (VTS) Committee Executive Summary

The 57th session of the VTS Committee was held from 14 – 27 March 2025, including the physical week at IALA HQ between 17 - 21 March, with Monica Sundklev as Chair and Dirk Eckhoff as Vice-chair. The Secretary for the meeting was Thomas Southall.

123 participants from 32 countries, one Sister organisation and three observers participated in VTS57. 30 participants attended for the first time.

The VTS Committee considered 55 input papers and produced 28 output papers, including working papers, from three Working Groups.

The meeting was carried out in accordance with the *Committee Arrangements*.

Key outputs completed included:

VT557- 12.3.4 Revised Guideline G1111 Establishing Functional Performance Requirements

VT557- 12.3.5 Revised Guideline G1111-1 Producing Requirements for Core VTS Systems

VT557- 12.3.6 Service specification for VTS traffic clearance 1.5

VT557- 12.3.7 Service design for VTS traffic clearance service 1.2

VT557- 12.3.8 Service design for route exchange 1.0

VT557- 12.3.9 Service specification on Route Exchange 1.0

VT557- 12.4.1 Revised G1027 Simulation in VTS Training

The following liaison notes and other documents were approved:

VT557- 12.1.1 Seminar Proposal on the Experiences and Challenges of Daily VTS Operations

VT557- 12.1.2 LN to PAP on update on guidance on interaction between VTS and participating ships

VT557- 12.2.1 LN to Secretariat on the digital Global Survey

VT557- 12.2.2 LN to ARM19 on the proposal of the revision of Guideline G1185

VT557- 12.3.1 LN to IEC on the publication of service design for route exchange

VT557- 12.3.2 LN to DTEC4 on the Digitalization of Waterways

VT557- 12.3.3 LN to DTEC4 and PAP on JCG Proposal for ITU WRC27 Position

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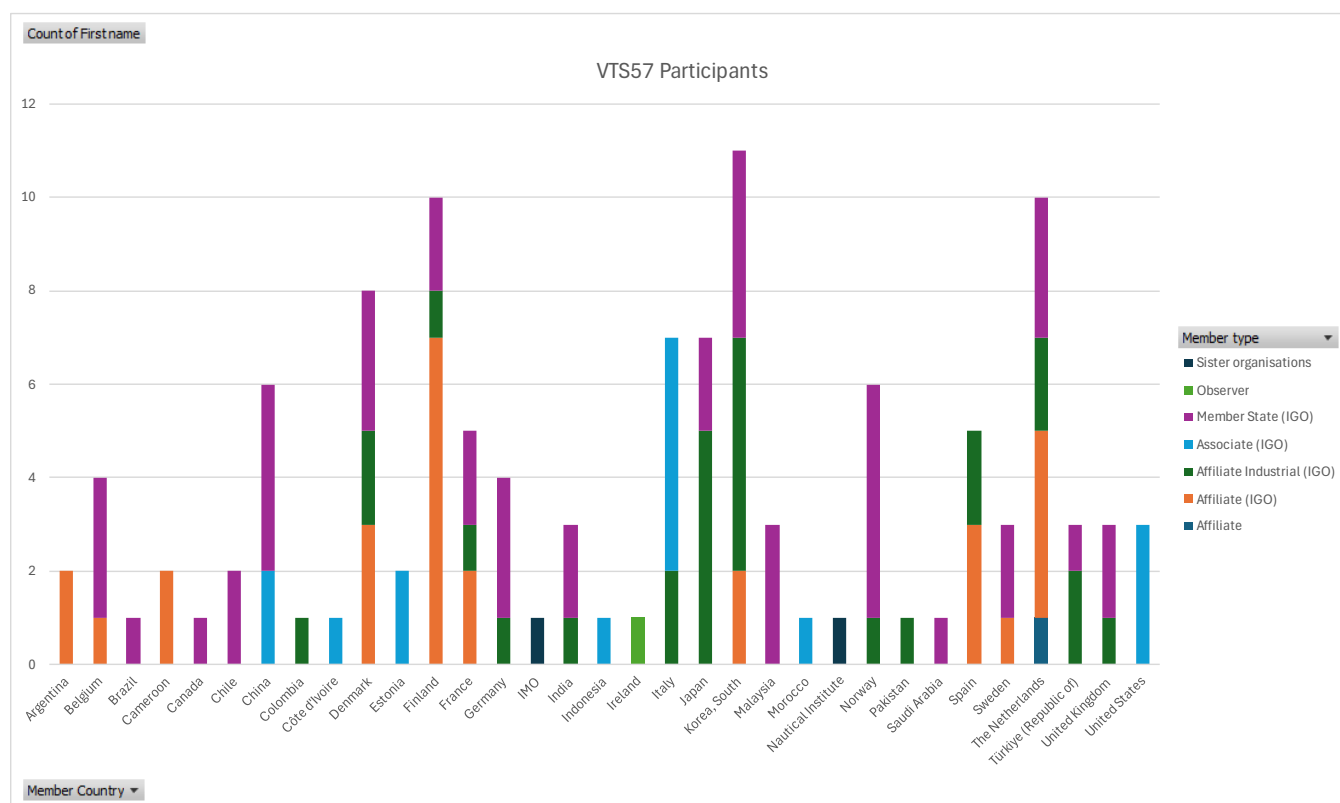
Report of the 57th session of the IALA Vessel Traffic Services (VTS) Committee

1. INTRODUCTION

The 57th session of the VTS Committee was held from 20 September – 3 October 2024, including the physical week at IALA HQ between 23 - 27 September, with Monica Sundklev as Chair and Dirk Eckhoff as Vice-chair. The Secretary for the meeting was Thomas Southall.

The session began with a virtual opening plenary on Friday 14 March and the physical week began on Monday 17 March and continued until Friday 21 March. The Chair welcomed everybody, both old as well as new participants, to the meeting and was pleased to see so many faces at IALA HQ. An approval period was followed and the virtual closing plenary was held on Thursday 27 March.

123 participants from 32 countries and two Sister organisation participated in VTS57. 30 participants attended for the first time. A breakdown of the participants is shown in the graph below.



1.1 Welcome from the Secretary-General

Secretary-General Francis Zachariae welcomed all participants to Saint Germain-en-Laye, including those joining online. He congratulated Monica Sundklev and Dirk Eckhoff on their reappointment as Chair and Vice-Chair. He highlighted the successful January workshop hosted by the Italian Coastguard, particularly with reference to the conclusion regarding actively assisting contracting governments, competent authorities, VTS providers and participating ships in fulfilling their responsibilities for VTS.

He reported on the General Assembly held in Singapore last month with over 350 participants, key outcomes included approval of governance documents, election of the President, Vice-President, Secretary-General and

Council and a welcome to Albania, Belgium, Croatia and Romania as new Council members. The IGO is now fully operational.

An update on the new Headquarters project was given that was progressing well support from the French Government. The timeline involves a contract signing in late spring, construction starting after summer and completion by September/October 2026. Meetings will be hosted elsewhere between June and September/October 2026 with planning is underway for the next General Assembly in Mumbai in 2027.

The Secretary-General noted the importance of addressing digitalization and MASS as priorities for the Policy Advisory Panel, recognizing the complexity of cross-committee work. He expressed great interest in the input papers from many members including China, Korea, Finland and Singapore and wished the VTS Committee success in its discussions.

1.2 Approval of the agenda

The agenda was reviewed and approved (VTS57-1.2.1).

1.3 Apologies

No apologies were received. A list of participants who attended VTS57 can be found in Annex B.



1.4 Working Arrangements

The following statement on the IALA General Data Protection Policy was made by the Committee Secretary:

IALA complies with the General Data Protection Regulations of the European Union. IALA will include a list of participants with their contact information in the report of this meeting. Any participant who wishes to remove their contact details from the participants list should advise the Committee Secretary as soon as possible.

The following question was asked by the Committee Secretary:

If anyone present has knowledge of any patents, including pending Patents, held either by themselves or by other organisations or individuals, the use of which may be required to practice or implement the content of IALA Documents being developed or worked on in this Committee to inform the IALA Secretariat.

No patents were noted.

The Committee Secretary provided all participants with a briefing on the *Committee Working Arrangements* document and tools available to them. This brief included an overview of the VTS57 Action Plan that had been agreed by the VTS Committee Management Team (CMT) to be progressed during VTS56 through Task Groups (TG). Each task had a deadline for expressions of interest to participate to the specified Task Group Leader (TGL) by a certain date.

Task items that were worked on at VTS57 were displayed in the *Action Plan*, which can be found on IALA Dashboard for VTS.

The deadline for submitting documents to the silent approval procedure was set to 21 March 2025 at 10:00 CEST.

2. REVIEW OF ACTION ITEMS FROM VTS56

The Committee Secretary confirmed that all Secretariat actions from VTS56 were completed (input paper VTS57-2.1.1).

3. REPORTS FROM OTHER BODIES

3.1 IALA

3.1.1 General Assembly

Minsu Jeon, Technical Director, reported on the IALA General Assembly held last month in Singapore. Key outcomes included the adoption of the declaration on IALA, Brazil's election as President, India's election as Vice President and Francis Zachariae's election as Secretary-General. The assembly approved governance documents such as general and financial regulations. It retained the existing committee structure with ARM, ENG, VTS and DTEC as the four committees and confirmed the policy and legal advisory panels as subsidiary bodies. The General Assembly also decided that all standards, recommendations and other documents from the former IALA will be adopted.

3.1.2 IALA Council

Minsu Jeon reported on two Council meetings since the last VTS Committee meeting. The 3rd Transition Council meeting took place from 10 to 13 December last year at the IALA HQ and was the final Transition Council meeting before IALA became an IGO. Discussions covered governance, financial stability, technical progress and strategic initiatives. The Council approved most technical documents, including Guideline G1188 on Quality Management Practices for VTS Providers, while the draft guideline on VTS interactions with conventional, automated and autonomous ships was sent back to the VTS Committee for further review. The Council approved a workshop proposal on maritime communication technologies in Germany and selected Lingao Lighthouse, China, as the 2025 Heritage Lighthouse of the Year.

During the first session of the new Council in Singapore, the focus was on strategy and operational direction. The Council approved the 2025 – 2027 work programme, committee working arrangements and the appointment of committee chairs and vice-chairs.

3.1.3 IALA Policy Advisory Panel (PAP)

Minsu Jeon reported on the 56th session of the PAP held from 4 to 6 February this year. The session focused on strengthening committee cooperation, advancing digitalization and addressing key policies and technical developments. Discussions included IALA's growing involvement in the Green Corridor initiative for sustainable

maritime navigation, ongoing work on the Maritime Connectivity Platform and S-100 framework and advancements in digitalization and interoperability.

Technical discussions covered AIS documentation, digitalization of waterways and improvements to S-200 products. Upcoming events were noted including the Sustainability Workshop in Dublin, Ireland, in October 2025, the IMT Workshop in Germany in September 2025 and a workshop on future radio navigation and communication systems to be held in 2026. The PAP also reviewed committee processes, enhancements to the online task tool and coordination on policy matters.

Additionally, the PAP decided on the direction for developing MASS recommendations and guidelines. Work on the holistic MASS guideline is paused until the recommendation is fully developed.

3.2 IMO

Minsu Jeon summarized the outcomes of the 109th session of the IMO Maritime Safety Committee (MSC), held from 2 to 6 December 2024 at the IMO Headquarters in London. Discussions focused on autonomous ship regulations, digitalization in navigation and maritime safety improvements.

Key outcomes included updates to the roadmap for developing the MASS code, aiming for completion by 2026 with potential SOLAS amendments. MSC supported proposals for implementing S-100 data distribution and connectivity by January 2026, emphasising secure connections and operational guidance. The committee approved revised performance standards for ECDIS and planned updates to training and operational guidance.

The committee approved the draft SN circular on IALA Maritime Buoyage System, revising and revoking SN.1/Circ.297 and the draft SN circular on IALA Risk Management Toolbox for aids to navigation and vessel traffic services, revising and revoking SN.1/Circ.296.

Cybersecurity concerns were addressed through enhanced standards for AIS and radiocommunications. A transition scheme for digital VHF communications was approved, targeting implementation by 2027, with intersessional work beginning in 2025.

Reports from sub-committees were reviewed, including revised descriptions of Maritime Services, updates to the ECDIS performance standards and a new version of the IMO/IHO/WMO Manual on Maritime Safety Information, effective January 2025.

3.3 IHO

Minsu Jeon provided an update on IHO matters. IALA continues to cooperate with IHO on the portrayal of navigation features, terms and definitions, the IHO registry and S-124, S-125, S-201 and S-200 testbeds and trials. IALA participates in the Hydrographic Services and Standards Committee, the IHO Data Quality Working Group and the IHO S-100 Working Group.

IALA contributes to the development of S-200 product specifications in collaboration with international organizations and IHO committees. It is also involved in creating testing and validation tools and providing training. In March 2025, IALA conducted S-200 training and a testbed in Korea, led by the ARM Committee, as part of its ongoing work on IHO matters.

3.4 ITU

Minsu Jeon provided a report on ITU matters. He discussed the 20th meeting of the Joint IMO/ITU Expert Group on Maritime Radiocommunication Matters, which took place at IMO Headquarters in London from 7 - 11 October 2024. IALA participated as an observer with consultative status, represented by Stefan Bober.

A key topic at the meeting was the preliminary IMO position for WRC-27, where the group worked on a draft position regarding the use of the 1 645.5–1 646.5 MHz frequency band for future maritime communications. This draft position will be finalized in 2026 in preparation for WRC-27.

Another significant discussion focused on the revision of ITU-R M.1371-5, where the group proposed updates to the ship type table to accommodate up to 99 ship type identifiers. This revision also included the inclusion of a VDES capability indicator, which would improve AIS functionality and the compatibility of navigation systems.

There were also concerns raised by the United States regarding the blockage of AIS signals caused by VHF radiotelephony. The group acknowledged the issue but recommended further studies to assess its potential impact on navigation safety. They prepared a draft liaison statement to ITU-R WP 5B to address this matter.

The group reviewed the draft NAVDAT performance standards and discussed a roadmap for aligning the system with WRC-23 decisions and IHO S-124 specifications for navigational warnings.

IALA also presented its work on the IMT-2030 standardisation, showcasing use cases for AtoN to support the development of future maritime communication systems.

In addition, the group made revisions to MSC.1/Circ.1657 to align operational procedures with ITU-R M.541-11 recommendations and discussed the assignment of manufacturer IDs for devices that use freeform number identities.

3.5 IEC

Minsu Jeon provided a report on IEC matters. He explained that IALA received liaison documents from IEC last year and has since responded. One of the key documents, identified as VTS57-3.5.1, outlined technical aspects, compliance requirements and coordination timelines related to route plan exchange. The revised IMO performance standards now require bidirectional route plan exchange between ship and shore-based service providers. There are two methods for this data exchange: the data set method and the exchange set method.

The exchange set method may be preferred due to cybersecurity requirements, as shipboard systems must authenticate any route plan received from the shore. It was noted that the timeline for implementation and next steps was outlined in the document.

IALA was requested to confirm whether the shore side specification would adopt the data set or exchange set method for route plan delivery. Additionally, IALA was asked to provide a timeline for when preliminary details on this decision would be available and to indicate the expected publication date of the final specification. This topic will be discussed further in Working Group 2 at VTS57.

4. REPORT FROM RAPPOORTEURS

4.1 MASS related to VTS

The appointed rapporteur for MASS related to VTS, Neil Trainor, was unable to participate physically and thus no specific information were given on the ongoing MASS work within the VTS Committee.

However, Monica Sundklev, VTS Chair, gave an update on MASS in relation to VTS. She confirmed that the work on the holistic MASS guideline would be paused until the recommendation had been developed and reviewed by all committees. Therefore, no work on MASS issues would take place at VTS57. The Chair also explained that the guideline on VTS interaction with conventional, automated and autonomous ships, sent back by Transitional Council 3, is to be revised at VTS57 with a focus on operational interaction in the VTS area rather than being a specific MASS guideline. MASS content from the rejected guideline together with other MASS documents are to be uploaded to a specific file share folder for future use.

4.2 Workshop on VTS Competent Authorities

Monica Sundklev provided a summary of the Workshop on VTS Competent Authorities that took place in Rome from 20 to 24 January. The workshop was attended by 74 participants from 32 countries. Monica thanked all

participants, presenters and especially the Italian Coast Guard for hosting the successful event, as well as Elman for their generous sponsorship.

The workshop's goal was to support the development of guidance for VTS competent authorities, helping them meet their international obligations for establishing and operating VTS. Nine conclusions were reached, which would be further considered by the Committee Management Team and Task Group 1.1.5. Monica emphasised that this workshop was one of the most important organized by the VTS Committee, noting that without a regulatory framework and proper control of VTS operations, maritime safety could be at risk. The workshop underscored the importance of VTS equipment and systems and appropriately trained VTS operators in maintaining the safety which is one of the [main reasons for establishing a VTS area and to monitor and interact with the traffic](#).

Workshop participants recognized that governments and competent authorities might fulfil their responsibilities differently based on their national laws. They agreed that assistance should be provided to help contracting governments, competent authorities, VTS providers and participating ships meet their responsibilities, as outlined in IMO Resolution A.1158(32) and IALA standards. They also highlighted the importance of a strong link between the contracting government, competent authority and VTS providers in creating effective national laws and regulations to implement the international framework for VTS.

The Workshop concluded with the need for a clear compliance and enforcement framework, the development of guidance on how VTS can reduce casualties, incidents and near misses and the consideration of international recognition for accredited training organizations and VTS Model Course certificates. Participants also noted that two or more governments could successfully implement a common VTS through agreements and cooperation and they discussed how IALA could contribute to IMO on relevant areas of the IMSAS audit.

5. PRESENTATIONS

The presentations given at VTS57 can be found on the fileshare (login necessary). The following presentation were given:

- Results from tests of VHF digital voice communication Kinji Takeuchi, JCG
- First implementations of VTS Traffic Clearance Service Juho Pitkänen, Fintraffic VTS Ltd. &
- IALA World Wide Academy Update Vincent Denamur, WWA

6. WORK PROGRAMME MANAGEMENT

6.1 Work Programme 2025 – 2027, Task Plan, Task Register

The Chair informed that the Work Programme is a structured plan defining the tasks of the approved activities of the committees in line with the IALA Strategic Vision. The new Work Programme, approved by the 1st session of the Council on the 21 February 2025 in Singapore, now follows a three-year cycle for the 2025-2027 period.

The Task Plan was updated prior to the session by the VTS CMT and the Task Plan and Task Register were updated by the Chair and Vice-Chair using the online Task Tool.

The Chair emphasized that all tasks should be described more in detail in the Task Register, which from now on will be used in the online IALA Task Tool. WG Chairs were requested to update their tasks in the online Task Tool from the Task Register document. Also changes or updates to the Task Register should be inserted. Only TGLs, WG Chairs and Committee Chairs have access to make changes in the online tool, but everyone can read it and make extractions.

Alisa Nechyporuk, Technical Officer, gave a presentation on the IALA online Task Tool.

The current status of the VTS tasks were noted by the Committee and they can be found [here](#).

6.2 Action Plan for VTS57

The VTS57 Action Plan is derived from the Task Plan and concerns only those tasks that will be progressed during this session. The Action Plan can be found on IALA Dashboard for VTS, was noted by the Committee.

7. REVIEW OF INPUT PAPERS

The input papers for VTS57 consisted of new input papers as well as working papers from the previous session. The input paper list (VTS57-7.1.1) did not include the working papers from VTS56, as they were listed in a separate input document (VTS57-7.1.2).

ESTABLISHING WORKING GROUPS

The Chair outlined the procedure to be followed by working groups, after which three working groups were established and their tasks outlined. The Working Group chairs and vice-chairs were introduced. Full lists of working group participants can be found in Annex F.

Working Group (WG)	Working Group Chair / Vice-Chair
WG1 – Operations	Trond Ski (Chair), Els Bogaert (Vice-Chair)
WG2 – Technology	Richard Aase (Chair), Pierre Mingot (Vice-Chair)
WG3 – VTS Training	Jillian Carson-Jackson (Chair), Stefaan Priem (Vice-Chair)

8. WORKING GROUP 1 – OPERATIONS (WG1)

During the 57th session of the VTS Committee, WG1 - Operations progressed 6 tasks assigned under the 2025 - 2027 Work Programme and produced 2 output papers and 5 working papers for the Committee Secretary to progress.

The Chair and Vice-Chair of the Working Group thanked all participants, both in person and online for their hard work during the session.

Throughout the physical session of the week the WG focused on the following tasks:

- Develop guidance on delineating the VTS area (Task no. 1.1.4)
- Develop guidance to assist competent authorities for VTS establish an appropriate policy and regulatory framework to meet their obligations (Task no. 1.1.5)
- Develop guidance on VTS digital communications (Task no. 1.3.1)
- Enhancing the safety and efficiency of navigation around offshore installations (Task no. 1.8.5)
- Consider relevant VTS documents to be revised/updated (Task no. 1.9.1)
- Review the VTS questionnaire and conduct a digital global survey (Task no. 1.9.3)

8.1 Task VTS-1.1.3a) and b) on Develop guidance on the implications of maritime autonomous surface ships (MASS) from a VTS perspective

Comments:

The Committee noted the agreement at PAP to pause work on MASS-related documents until an IALA Recommendation on MASS is finalized and approved. The Committee thus agreed to put task 1.1.3 on developing MASS-related guidance from a VTS perspective on hold.

8.2 Task VTS-1.1.4 on Develop guidance on delineating the VTS area

Task group leader: Heidi Clevett

Input papers:

8.1.1	Proposal for developing guidance of delineating the VTS area
8.1.1.1	Draft Gxxx Delineating VTS area

Comments:

At VTS57 the Committee began the work on task 1.1.4 'Develop guidance on delineating the VTS area'. The Committee considered input paper 8.1.1 from China MSA 'Proposal for developing guidance on delineating the VTS area' and the associated draft guideline.

In reviewing the input papers, the task group considered whether there would be a need to develop a new standalone guideline or if guidance on the topic best would fit into one of the current VTS guidance documents. Based on these considerations, the group agreed to develop the guidance as additional text to guideline G1150, Establishing, Planning and Implementing a VTS.

Key outcomes include:

1. The group acknowledged that the draft guideline kindly provided by China MSA could serve as a basis for the onward development of guidance.
2. It was further acknowledged that the scope of the guidance on delineating the VTS area have commonalities with the guidance presently provided in guideline G1150 Establishing, Planning and Implementing a VTS. It was thus agreed that there is no need to develop a standalone guideline on the topic and that such guidance best would fit within guideline G1150.
3. The group also acknowledged that guideline G1150 would benefit from a general review and restructuring with the aim to adapt the document to contain additional guidance relevant to delineating of VTS areas.
4. In corporation with the group assigned to progress task 1.1.5, it was agreed that an intersessional session would be beneficial in order to finalize the work as set out in the 2025-2027 work programme.

Output:

None.

Action items

The Secretariat is requested to forward the WP revised guideline G1150 on Establishing, Planning and Implementing a VTS (VTS57-12.5.1.1) as a working paper to VTS58 for further development.

Committee participants are invited to join the intersessional group (Virtual meetings) working on the revision of guidance on establishing, planning and implementing a VTS and to express their interest to Keeta Rowlands (Keeta.rowlands@mcga.gov.uk) by 30 April 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard.

The Intersessional Task Group Leader is requested to provide input on the intersessional work on tasks 1.1.4 and 1.1.5 to VTS58.

8.3 Task VTS-1.1.5 on Develop guidance to assist competent authorities for VTS establish an appropriate policy and regulatory framework to meet their obligations

Task group leaders: Els Bogaert/Keeta Rowlands

Input papers: None.

Comments:

During VTS57 the Committee continued to progress task 1.1.5 'Guideline for CA on establishing a legal policy and framework'. The group proceeded the development of guidance and furthermore considered whether there would be a need to develop a new standalone guideline or if it would be more suitable to incorporate guidance to assist competent authorities into an existing VTS guidance document.

The group further reviewed the conclusions from the workshop on VTS competent authorities held in Rome January 2025 to ensure that the outputs from the workshop were captured. The group noted that considerations should be given to actively assisting contracting governments, competent authorities, VTS providers and participating ships fulfil responsibilities for VTS, including understanding their responsibilities as described in the IMO Resolution A.1158(32) and IALA standards.

During the review of related guidance documents the group identified that the information provided in guideline G1150 Establishing, Planning and Implementing a VTS closely resembles the guidance provided in guideline G1160 Competencies for Planning and Implementing a VTS.

It was also agreed that the Secretariat should consider how to best actively assist contracting governments, competent authorities, VTS providers and participating ships fulfil responsibilities for VTS, including understanding their responsibilities as described in the IMO Resolution A.1158(32) and IALA standards. This is in order to advance one of the key conclusions of the Workshop in Rome.

Key outcomes include:

1. The group agreed that guidance to assist competent authorities for VTS establish an appropriate policy and regulatory framework to meet their obligations would best fit in the existing guideline G1150 Establishing, Planning and Implementing a VTS (see task 1.1.4).
2. It was noted that considerations should be given to actively assisting contracting governments, competent authorities, VTS providers and participating ships fulfil responsibilities for VTS, including understanding their responsibilities as described in the IMO Resolution A.1158(32) and IALA standards.
3. It was agreed to further explore whether it would be appropriate to merge the content of guidelines G1150 and G1160 with the aim to revoke guideline G1160.
4. In corporation with the group assigned to progress task 1.1.4, it was agreed that an intersessional session would be beneficial in order to finalize the work as set out in the 2025-2027 work programme (see task 1.1.4).

Output:

None.

Action item

The Secretariat is requested to consider how to best actively assist contracting governments, competent authorities, VTS providers and participating ships fulfil responsibilities for VTS, including understanding their responsibilities as described in the IMO Resolution A.1158(32) and IALA standards.

8.4 Task VTS-1.3.1 on Develop guidance on VTS digital communications

Task group leader: Remi Hoeve

Input papers:

8.3.1	Proposal on the Description and Use Cases of VTS Scheduling and Allocation Service
8.3.2	Information Paper – Intersessional meeting Rotterdam 15-16 January TG 1.3.1 Def

Comments:

In a joint session with participants from WG 2, operational questions and issues from an intersessional meeting held in Helsinki 29-30 January were discussed, including the input document “Technical Service Specification for VTS Route Exchange Service” (VTS57-9.1.5).

The group reviewed the WP Draft Guideline on VTS Digital Communication (VTS56-12.5.1.4). During the review references to route plans, voyage plans and sailing plans were made consistent with the definitions in the IHO Expert Group on Data Harmonization (EGDH 12/10 17 February 2025). The group further developed the content of the WP draft guideline, including text in the annex of the guideline on route functions and information functions developed during an intersessional meeting held in Rotterdam 15-16 January 2025.

A discussion was held on input paper VTS57-8.3.1 from China MSA, “Proposal on the description and use cases of VTS scheduling and allocation Service”, recognizing scheduling and allocation as a part of the slot management service.

The group examined the positioning of services within the VTS process, determining that traffic function require real-time execution, while slot management and traffic clearance services belong to the planning function. Therefore, the group added navigational assistance service as an additional service under traffic function and created a planning function including the services slot management and traffic clearance.

The task group is planning an intersessional meeting 1 – 2 July 2025 in Malmö (Sweden) to focus on use cases. The intersessional will be hosted by the Swedish Maritime Administration. Participants from TG 2.8.1 are in particular invited to join the meeting.

Key outcomes include:

1. The group agreed to make references to route plans, voyage plans and sailing plans consistent with the definitions in the IHO Expert Group on Data Harmonization.
2. It was recognized that scheduling and allocation is a part of the slot management service.
3. It was further recognized that traffic function requires real-time execution, and that slot management and traffic clearance services belong to the planning function.
4. It was also agreed that an intersessional meeting is required to progress the development of the draft guideline.

Output:

None.

Action items

The Secretariat is requested to forward the WP draft guideline on Develop guidance on VTS digital communications (VTS57-12.5.1.2) with the associated annex (VTS57-12.5.1.3) as working papers to VTS58 for further development.

Committee participants are invited to join the intersessional group (Virtual meetings) working on the development of guidance on VTS digital communications and to express their interest to Malin Dreijer (malin.dreijer@kystverket.no) by 20 June 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard.

The Intersessional Task Group Leader is requested to provide input on the intersessional work on task 1.3.1 to VTS58.

8.5 Task VTS 1.8.5 on Enhancing the safety and efficiency of navigation around offshore installations

Task group leaders: Trond Ski/Els Bogaert

Input papers: None.

Comments:

The Committee reviewed the guideline G1185 - Enhancing the Safety and Efficiency of Navigation around Offshore Renewable Energy Installations (OREI) as set out in the Committee task plan. Based on the review it was considered that it may be opportune for the ARM Committee and the VTS Committee to further explore this important topic intersessionally.

Key outcomes include:

1. The VTS Committee considers that it may be opportune for the ARM and VTS Committees to explore this important issue further intersessionally, with a view to progress this work during the second round of Committee meetings in 2025.
2. The ARM Committee is invited to consider the proposal from the VTS Committee on the revision of G1185.

Output: LN to ARM19 on the proposal of the revision of Guideline G1185 (VTS57-12.2.2)

Action items

The Secretariat is requested to forward the Liaison Note on the proposal of the revision of G1185 (VTS57-12.2.2) to ARM19 for their consideration.

8.6 Task VTS 1.8.6 on Harmonization of VTS data elements

Task group leader: Remi Hoeve

Input papers: None.

Comments:

The Committee recalled the decision at VTS56 to postpone task 1.8.6 due to the current workload of the Committee and the need to further investigate the objectives and the expected outcome of the task. During the investigation the Committee identified that the objectives and expected outcome of task 1.8.6 is closely aligned with and nearly identical to task 2.5.2.c on Coordination and combined use of VTS S-100 Technical Services.

Key outcomes include:

1. The VTS Committee identified that the objectives and expected outcome of task 1.8.6 are closely aligned and nearly identical to task 2.5.2.c on Coordination and combined use of VTS S-100 Technical Services.
2. It was thus agreed to request the secretariat to make the necessary arrangements to merge these two tasks with the aim of revoking task 1.8.6.

Output: None.

Action item

The Secretariat is requested to make the necessary arrangements to merge tasks 1.8.6 and task 2.5.2.c with the aim of revoking task 1.8.6, due to the fact that the objectives and expected outcome of these two tasks are closely aligned and nearly identical.

8.7 Task VTS 1.9.1 on Consider relevant VTS documents to be revised/updated

Task group leaders: Trond Ski/Els Bogaert/Dorte Hansen/Heidi Clevett

Input papers:

VTS56-7.2.1	Real-time Vessel Monitoring in Coastal Waters and the EEZ
VTS56-8.7.1	Proposal for the revision of guidelines related natural disaster
VTS57-7.2.1	Experience sharing of China's acceptance of the VTS module in the audits of IMO member states
VTS57-7.2.8	Proposal for a New Guideline on Marine Traffic Information Services in VTS Operations
VTS57-8.7.1	New draft Guideline on VTS interaction with MASS (TC03-10.5.3)

Comments:

VTS56-7.2.1 Real-time Vessel Monitoring in Coastal Waters and the EEZ

VTS56 considered input paper VTS56-7.2.1 from MCA UK and The Netherlands on real time monitoring of vessels when outside of a VTS. It was agreed to continue the review of the document at VTS57 to further consider the need to amend guidelines G1083 on Standard Nomenclature to Identify and Refer to a VTS and G1142 on The Provision of a Local Port Service other than a VTS. The review will be further progressed at VTS58.

VTS56-8.7.1 Proposal for the revision of guidelines related natural disaster

Furthermore, VTS56 considered input paper VTS56-8.7.1 from Japan Coast Guard on Proposal for the revision of guidelines related to natural disaster with the aim to amend G1141 on Operational Procedures for Delivering VTS, if deemed necessary. This work was put on hold for VTS57 and will be progressed at VTS58.

VTS57-7.2.1 Experience sharing of China's acceptance of the VTS module in the audits of IMO member states

The Committee considered input paper VTS57-7.2.1 from China MSA providing an overview of the preparatory work and on-site audit process based on China's acceptance of the mandatory IMO Member State Audit Scheme (IMSAS), sharing experiences and highlighting primary concerns and methodologies used during the audit. The Committee noted that China MSA plan to revise their audit procedures, framework, and documents such as the Auditor's Manual based on their experience from the audit. The Committee thus encourage China MSA to input their recommendations to a future revision on the guideline G1115 on Preparing for an IMO Member State Audit Scheme (IMSAS) on VTS.

VTS57-7.2.8 Proposal for a New Guideline on Marine Traffic Information Services in VTS Operations

The Committee further considered input paper VTS57-7.2.8 from the Mokpo National Maritime University of South Korea proposing the development of a New Guideline on Marine Traffic Information Services in VTS Operations. The Committee acknowledged that the proposal of developing new guidance documents would not be within the scope of task 1.9.1, since this task is limited to consider relevant VTS documents to be revised/updated. The Committee highly appreciated the input document from the Mokpo National Maritime University acknowledging the effort and competence required to receive such results. The Committee would thus like to encourage the University to consider sharing their results with other committees.

VTS57-8.7.1 New draft Guideline on VTS interaction with MASS (TC03-10.5.3)

In accordance with the guidance from the Chair, the Committee also considered input paper VTS57-8.7.1 on the rejected draft Guideline on VTS interaction with conventional, automated and autonomous ships, developed as a part of task 1.1.3, to be revised at VTS57 with a focus on operational interaction between VTS and any ship in the VTS area rather than being a specific MASS guideline. It was investigated whether the content of this draft guideline would better fit within guideline G1089 on Provision of a VTS. The Committee thus started to review guideline G1089 with the aim to include text from the draft guideline on VTS interaction. The Committee will further progress this work at VTS58.

Key outcome includes:

1. The Committee will progress the revision of G1141 Operational Procedures for Delivering VTS based on input paper VTS56-8.7.1 from Japan Coast Guard on revision of guidelines related to natural disaster.
2. The Committee will further progress the review of guideline G1089 on Provision of a VTS based on input paper VTS57-8.7.1 on the draft Guideline on VTS interaction with conventional, automated and autonomous ships.

Output:

None.

Action item

The Secretariat is requested to forward the WP revised guideline G1141 on Operational Procedures for Delivering VTS (VTS57-12.5.1.4) and the WP revised guideline G1089 on Provision of a VTS (VTS57-12.5.1.5) as working papers to VTS58 for further development.

8.8 Task VTS 1.9.3 on Review the VTS questionnaire and conduct a digital global survey

Task group leaders: Trond Ski/Els Bogaert

Input papers:

8.6.1	Input Paper - Output from ITG 1.9.3 - Review of the VTS Questionnaire
8.6.1.1	Draft VTS Questionnaire

Comments:

At VTS54 the Secretariat invited the VTS Committee to revise the VTS Questionnaire with the aim of conducting a digital global survey. The last global survey was conducted in 2016, when the now revoked IMO Resolution A.857(20) was in force. The questionnaire thus needed an update to be aligned with the current IMO Resolution A.1158(32).

The new VTS questionnaire will leverage digital tools, transforming the existing format into a digital version. The structure of the questionnaire has been discussed and agreed upon, consisting of four levels of contributors. The purpose of the questionnaire is to collect the information required to build this structure.

The establishment of the structure depends upon Member States appointing a national coordinator (single point of contact) responsible for the input of information into the VTS questionnaire.

The questionnaire will be divided into two sections: one for basic information from the questionnaire and another for topical surveys, which will be used for addressing specific questions in the future.

Key outcomes include:

1. The Committee noted that the new VTS questionnaire will leverage digital tools, transforming the existing format into a digital version.
2. It was noted further that the structure of the questionnaire consisting of four levels of contributors.
3. The Committee acknowledged that the purpose of the questionnaire is to collect the information required to build the structure.
4. It was further acknowledged that the structure depends upon Member States appointing a national coordinator (single point of contact), responsible for the input of information into the questionnaire.

Output:

LN to Secretariat on the digital Global Survey (VTS57-12.2.1).

Action item:

The Secretariat is requested to take the liaison note on review of the questionnaire and the digital Global Survey (VTS57-12.2.1) into consideration when conducting the survey, taking actions as appropriate.

Member States are encouraged to appoint a national coordinator (a single point of contact) responsible for the input of information into the VTS questionnaire and provide the contact information of this coordinator to the Secretariat by e-mailing Minsu Jeon (mje@iala.int) by 1 May 2025.

8.9 Additional tasks/work

8.9.1 Review of the Task Register

Comments:

The Task Register was updated, noting that it is a living document on the website and will be reviewed at each meeting.

9. WORKING GROUP 2 – TECHNOLOGY (WG2)

During the 57th session of the VTS Committee, WG2 – Technology worked on several tasks regarding digitalisation and on assigned task 2.8.2.

The Chair Richard Aase and Vice-Chair Pierre Mingot of the Working Group thanked all 28 participants, both in person and online for their hard work during the session.

Throughout the physical session of the week the WG focused on the following tasks:

- Review and update:
 - Task 2.8.2 Review and update Recommendation R0145 (V-145) on the Inter-VTS Exchange Format (IVEF) Service
 - Task 2.6.1 Consider updating G1111-1 to include guidance on VTS Management Information Systems
- Develop:
 - Task 2.5.2 Develop technical service description for digital data exchange between VTS and other entities – primarily ships
 - Task 2.8.1 Develop a Product Specification S-212 for VTS under the S-100 framework
- Contribute to:
 - VTS57-7.2.2 Liaison note to all committees on Development of guidance on the use of simple IoT sensors on physical Aids to Navigation
 - VTS57-7.2.3 Liaison note to PAP and all committees on Intersessional work on Maritime Resource Names
 - VTS57-7.2.9 Propose on the development of IALA's position on the WRC-27 Agenda Items

9.1 Task VTS 2.5.2 Developing technical service description for digital data exchange between VTS and other entities – primarily ships and Task 2.8.1 on developing a Product Specification S-212 for VTS under the S-100 framework

Task group leader: Juho Pitkänen / Wim Smets

Input papers:

9.1.1	Proposals on the “Service Specification for VTS-Vessel Route Exchange Edition 0.3”
9.1.2	Proposals on the “Service Specification for VTS Traffic Clearance Edition 1.4”
9.1.3	Proposal for working draft of Service Design for VTS Route Exchange
9.1.3.1	ANNEX A - Draft Service Design for VTS Route Exchange 0.1
9.1.4	Change Proposal to Specifications for VTS Traffic Clearance Service
9.1.5	Intersessional meeting Helsinki 29-30 January 2025 Task 2.5.2. b
9.1.5.1	ANNEX A - Draft Technical Service Specification for route exchange 0.7
3.5.1	MT7-2426 Liaison note from IEC TC80-MT7 to IALA
7.2.3	Liaison note to PAP and all committees on MRN intersessional work (ARM19-11.3.4)
9.3.1	Liaison note to VTS on S-200 implementation plan (ARM19-11.3.5)

Comments:

These tasks have been carried over from the previous work period. Whilst we acknowledge this has been a long-term task (commenced VTS45) as it is complex, we see this task running for a number of years. It is planned to be able to publish editions at suitable intervals. There were good progress on the tasks of digitalization and new versions on service specifications and service designs were developed.

The Committee considered and responded to the liaison note from IEC on Service Specifications for route exchange using S-421.

Response to VTS57-7.2.3 - The VTS Committee welcomed the paper from ARM, and noted the Liaison Note. The Committee will continue to contribute to ARM with more use cases. In addition, we are positive to contribute to the intersessional work. Interested participants are requested to notify Richard Aase at latest on 30 April 2025 for further notification to the Chair of ARM Committee.

It was also considered as beneficial to consider arranging a meeting for the VTS Committee with CIRM and other relevant stakeholders to discuss the development of VTS S-100 services for digital data exchange between VTS and vessels.

Key outcomes include:

Two (2) service designs, two (2) service specifications and one (1) liaison note.

Output:

1. Service Design for route exchange 1.0 (VTS57-12.3.1)
2. Liaison note to IEC IALA Service Specification for route exchange using S-421 (VTS57-12.3.2)
3. Service specification for VTS traffic clearance 1.5 (VTS57-12.3.7)
4. Service design for VTS traffic clearance service 1.2 (VTS57-12.3.8)
5. Service specification for route exchange 1.0 (VTS57-12.3.9)

Action items:

The Secretariat is requested to forward the WP draft Workshop proposal - FUTURE S-100 VTS SERVICES FOR THE MARITIME COMMUNITY (VTS57-12.5.2.1) as a working paper to VTS58 for further development.

The Secretariat is requested to consider arranging a meeting for the VTS Committee inviting CIRM and other relevant stakeholders to discuss the development of VTS S-100 services for digital data exchange between VTS and vessels and liaise the timing with the Chair of VTS WG2.

The Secretariat is requested to publish the following service design and service specifications on IALA webpage: Service Design for route exchange 1.0 (VTS57-12.3.1), Service specification for VTS traffic clearance 1.5 (VTS57-12.3.7), Service design for VTS traffic clearance service 1.2 (VTS57-12.3.8), and Service specification for route exchange 1.0 (VTS57-12.3.9).

The Secretariat is requested to forward the Liaison note to IEC on IALA Service Specification for route exchange using S-421 (VTS57-12.3.2) to Council for approval.

Committee participants are invited to join the intersessional group (virtual meetings) working on the development of use cases for ARM contributing to the work on MRN. Interested participants are requested to express their interest to Richard Aase (richard.aase@kystverket.no) by 30 April 2025, noting that the dates and times of the intersessional meetings will be published on the IALA ARM Committee Dashboard.

9.2 Task 2.8.5 Full review of A-126, G1084 and other AIS associated documentation

Task group leader: Richard Aase/Pierre Mingot

Input papers:

7.2.7	Liaison note to ARM, VTS, ENG, PAP on IALA documentation relating to AIS (DTEC3-11.2.3.4)
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Comments:

VTS Committee noted the input paper VTS57-7.2.7 from DTEC and supports the suggested approach.

VTS Committee will not revise *G1111-4 Producing Requirements for AIS* within task 2.8.5 as this guideline deals with the requirements for designing specifications for a VTS system and its sensors. The suite of documents regarding AIS mentioned from ARM and DTEC will look more into the actual functionality of AIS.

9.3 Task 2.6.1 Consider updating G1111-1 to include guidance on VTS Management Information Systems

Task group leader: Jens Christian Pedersen / Mads Kristoffersen

Input papers:

9.2.1	Proposal on the Amendment of “G1111-1 Producing Requirements for The Core VTS System”
9.2.1.1	Annex Draft G1111-1 ED1.0 Producing Requirements for Core VTS Systems and Equipment
9.2.2	Proposed revision to G1111-1

Comments:

VTS Committee considered the input papers and integrated the necessary revisions through discussions with the submitting parties.

There was a need to make amendments in both G1111-1 and in G1111.

An information paper has been provided to task group 1.9.4 on Future VTS based on the input from China MSA.

Output:

1. VTS57-12.3.5 G1111 - Establishing Functional Performance Requirements xxx
2. VTS57-12.3.6 G1111-1 Producing Requirements for Core VTS Systems and Equipment

Action item:

The Secretariat is requested to forward the document G1111 - Establishing Functional Performance Requirements (VTS57-12.3.5) to Council for approval.

The Secretariat is requested to forward the document G1111-1 Producing Requirements for Core VTS Systems and Equipment (VTS57-12.3.6) to Council for approval.

9.4 Task 2.8.2 Review and update Recommendation R0145 (V-145) on the Inter-VTS Exchange Format (IVEF) Service

Task group leader: Rene Hogendoorn

Input papers:

VTS56-12.5.2.8	IVEF Technical Service Specification v0.2
VTS56-12.5.2.9	IVEF DD working copy v0.5

Comments:

The data model has been progressed and is mostly complete. A proposal for updates has been made to the IHO Concept Registry (CR).

Key outcomes include:

Identifying issues for proposed changes to the IHO CR.

Output:

S-210 and S-212 Proposal to the Concept Registry

Action item:

The Secretariat is requested to add the S-210 and S-212 proposals to the IHO Concept Registry, incorporating the necessary changes.

The Secretariat is requested to forward the WP VTS Position paper on information exchange shore to shore 0.2 Task 2.8.2 (VTS57-12.5.2.2); WP IVEF Technical Service Specification v0.2 (VTS57-12.5.2.3); WP IVEF DD working copy v0.5 (VTS57-12.5.2.4); WP Excel Spreadsheet on task 2.8.2 (VTS57-12.5.2.5) as working papers to VTS58 for further development.

9.5 Other input documents

Task group leader: Richard Aase

Input papers:

7.2.2	Liaison note to all Committees on Development of IoT Guidance (ARM19-11.2.2)
7.2.5	Liaison note to VTS on Emerging Tech-reviewed (DTEC3-11.2.2.7)
7.2.6	Liaison note DTEC to all committees (and PAP) on digitalisation of waterways guideline (DTEC3-11.2.2.9)
7.2.6.1	Draft IALA Guideline on Digitalization of waterways (DTEC3-11.2.2.9.1)
7.2.8	Proposal for a New Guideline on Marine Traffic Information Services in VTS Operations
7.2.9	Propose on the development of IALA's position on the WRC-27

Key outcomes include:

7.2.2 – The VTS Committee welcomes and notes the input paper from ARM, however, the Committee has no use cases related to the application of IoT on physical AtoNs. The usage on IoT within VTS Committee is related to the infrastructure and surveillance of the sensors and network components.

7.2.5 – The VTS Committee notes the input paper.

7.2.6/7.2.6.1 – The VTS Committee produced a liaison note for DTEC4.

7.2.8 – Part of WG1 report.

7.2.9 – The VTS Committee produce a liaison report for DTEC4 and PAP.

Output:

1. 12.3.3 Liaison note to DTEC on digitalisation of Waterways guideline
2. 12.3.4 Liaison note to DTEC4 and PAP on JCG Proposal for ITU 27 position paper

Action item:

The Secretariat is requested to forward Liaison Note on digitalisation of Waterways guideline (VTS57-12.3.3) to the DTEC Committee for their consideration.

The Secretariat is requested to forward Liaison Note on JCG Proposal for ITU 27 position paper (VTS57-12.3.4) to the DTEC4 and PAP Committees for their consideration.

9.6 Additional tasks/work

9.6.1 Review of Task Register

The Task Register was updated, noting that it is a living document on the website and will be reviewed at each meeting.

10. WORKING GROUP 3 – VTS TRAINING (WG3)

The Chair of the Working Group thanked all participants for their hard work during VTS57.

During VTS57 the working group met in a hybrid meeting environment and focused on the following items:

- Task 3.1.1 – Develop guidance for dealing with stress or trauma in VTS operations
- Task 3.4.1 – Develop guidance on aptitudes required by VTS Operators
- Task 3.8.1 – Revision of G1103 on Train the Trainer
- Task 3.8.2 – Develop guidance on remote training in VTS
- Task 3.8.6 – Revision of G1027 on Simulation in VTS Training
- Task 3.8.7 – Revision of IALA Model Courses. Worked focused on:
 - 3.8.7c – Revision of C0103-5 (V-103/5) The Revalidation Process for VTS Qualification and Certification (commenced at VTS56)
- Task 3.8.8 - English Language competency requirements in VTS operations
- Task 3.9.1 – Consider relevant VTS documents to be revised/updated
- Additional items as identified during the meeting

All input papers identified for WG3 were addressed.

A number of intersessional sessions are planned to progress the work on tasks, as identified in the body of the report. While the dates and times of the intersessional meetings will be provided on the IALA Calendar, if possible,

a table of intersessional sessions was also prepared. This will be maintained on the IALA file-share under VTS WG3 Intersessional Meetings.

10.1 Task 3.1.1 - Develop guidance for dealing with stress or trauma in VTS operations

Task group leader: J Lundsten

Input papers:

VTS57-	10.1.4	Report of IG on Task 3.1.1
VTS57-	10.1.4.1	Draft Revision Task 3.1.1 Guidance for dealing with stress and trauma in VTS operations

Input papers were presented by Task Group Leader Jockum Lundsten.

The working group noted the input papers provided for the session. The skeleton for the Guideline was reviewed and discussed within the working group. With the skeleton in place, it will facilitate the production of the text (content) for the Guideline.

It was highlighted that stress and trauma need to be addressed separately, as previously mentioned during the intersessional meetings between VTS56 and VTS57. During the discussions, the need for the Guideline was reaffirmed within the working group. While this topic is not exclusive to VTS operations, it is essential to address it within this field as well.

It was agreed that the work would continue through intersessional online meetings, which will be announced on the IALA dashboard and listed in the table of intersessional meetings on the IALA file-share (VTS WG3 Intersessional Meetings).

- Tuesday 20 May 2025, 1000-1130 UTC
- Tuesday 19 August 2025, 1000-1130 UTC

Action item(s):

The Committee participants interested in participating in Task 3.1.1 – develop guidance for dealing with stress and trauma in VTS are invited to contact J Lundsten (jockum.lundsten@aboamare.fi) by 13 May, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA file-share, VTS WG3 Intersessional Meetings.

The Intersessional Task Group Leader to provide input on the intersessional work on task 3.1.1 to VTS58.

10.2 Task 3.4.1 - Guidance on aptitudes required for VTS Operators

Task group leader: K Glew / Y Nakai

The Working Group noted the input papers:

VTS57-	10.4.1	Input on the ITG for developing guidance on aptitudes required by VTS Operators	IG 3.4.1
VTS57-	10.4.1.1	Draft Guideline Aptitudes required by VTS operators	IG 3.4.1

Work on the development of a guideline on aptitudes that are demonstrated by effective VTS operators and the use of aptitude and / or psychometric testing in the recruitment process continued during VTS57.

The role of task group leader was transitioned from K. Glew to Y. Nakai.

The questionnaire to solicit input from VTS operators and VTS providers on the importance of those aptitudes and behaviours that was developed at VTS56 was reviewed in the Microsoft Forms platform. Some editorial amendments were made and a testing of the use of the platform for use in administering the questionnaire was successfully completed. The results of this questionnaire will be important for the development of the guideline. The draft Guideline was progressed and has been submitted as a Working Paper for VTS58.

It was agreed that the work would continue during intersessional online meetings, which will be advertised on the IALA dashboard and listed in the table of intersessional meetings on the IALA file-share (VTS WG3 Intersessional Meetings).

The outcomes of the intersessional meetings will be submitted for further consideration at VTS58.

The intersessional meetings will be held online, using the VTS WG3 Plenary room:

- Wednesday 14 May 2025, 1000-1130 UTC
- Future dates to be determined as required.

Action item(s):

The Secretariat is requested to consider distributing the questionnaire on aptitudes and behaviours for VTS Personnel to the VTS Committee.

Participants are asked to widely distribute the questionnaire on aptitudes and behaviours for VTS Personnel to any persons or organizations involved in the provision of VTS. This includes, but is not limited to, Competent Authorities, VTS Providers, Training Organizations and VTS Operators for completion by 8 May 2025.

The participants interested in participating in Task 3.4.1 Guidance on aptitudes required for VTS Operators are invited to contact Y Nakai (ynakai@toyoshingo.co.jp) by 1 May 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA file-share, VTS WG3 Intersessional Meetings.

The Intersessional Task Group Leader to provide input on the intersessional work on task 3.4.1 to VTS58.

10.3 Task 3.8.1 – Revision of G1103 on Train the Trainer

Task group leader: J Carson-Jackson

The Working Group noted the past discussion session on this item and reviewed the existing document.

In discussion it was noted that:

- There are different approaches to ensure educational competence – ‘Train the Trainer’, which include the use of IMO Model Courses 6.09 (for train the trainer), 6.10 (for train the simulator trainer), and national requirements for instructors that may be identified by law to be able to teach.
- Elements of the existing G1103 have already been integrated into other documents – for example, task analysis is included in the revision of G1156, and debriefing techniques are included in the revision of G1027.
- The additional information in G1103 remains useful but is not presented in line with the IALA model course structure – for example, G1103 presents 6 competence levels, while the IALA VTS Model Courses use 5 competence levels.
- Guidance on the use of the IALA VTS Model Courses, including the use of the session objectives and elements (noted in the image), as well as the sequencing of content from within the modules, would be valuable.

Competence levels and assessment

3.1	VTS Environment			
3.1.1	Describe the characteristics of the VTS area.	3.1.1.1	Area limits, boundaries, separation zones, shipping lanes and channels	2
		3.1.1.2	Prohibited or dangerous areas, anchorages and restricted areas	2
		3.1.1.3	Aids to Navigation	2
		3.1.1.4	Geographic, hydrographic, and environmental aspects	2
3.1.2	Explain measures to manage traffic in the VTS area.	3.1.2.1	Shipping routes and separation criteria (time and spatial separation)	3
		3.1.2.2	Constraints (geographic, operational requirements, vessel types and characteristics, etc)	3
Level	Knowledge and/or Attitude	Skill	Verbs (examples)	
Level 1	Comprehension Understands facts and principles; interprets verbal/written material; interprets charts, graphs and illustrations; estimates future consequences implied in data; justifies methods and procedures	Guided response The early stages in learning a complex skill and includes imitation by repeating a demonstrated action using a multi-response approach (trial and error method) to identify an appropriate response	Arrange, define, list, locate, label, identify, select	
Level 2	Application Applies concepts and principles to new situations; applies laws and theories to practical situations; demonstrates correct usage of methods or procedures	Autonomous response The learned responses have become habitual, and the movement is performed with confidence and proficiency	Compare, learn, describe, explain, give examples, categorize, operate, perform (an action), participate in	
Level 3	Analysis Recognizes unstated assumptions; recognizes logical inconsistencies in reasoning; distinguishes between facts and inferences; evaluates the relevancy of data; analyses the organisational structure of work	Complex observable response The skilful performance of acts that involve complex movement patterns. Proficiency is demonstrated by quick, smooth, accurate performance. The accomplishment of acts at this level includes a highly co-ordinated automatic performance	Analyse, apply, categorize, classify, compare, differentiate, explain, justify, operate, solve	

It was agreed that:

1. G1103 – Train the Trainer can be withdrawn, however the timing for this needs to consider the integration of content in existing documents or the possible creation of guidance on the use of IALA VTS Model Courses. It is likely that the guideline will be withdrawn following the confirmation that the information is included in other IALA publications. This is anticipated to be possible following VTS59.
2. A review of existing IALA VTS training related guidance is to be carried out to determine if the remaining content from G1103 can be integrated into existing documents, or if a new guideline on the use of IALA VTS Model Courses is required. This will be done under the existing Task 3.9.1.

Notes were included in the MS Word version of G1103, which will be forwarded to VTS58 as a working paper. Work on this task will continue at VTS58.

Action item(s):

The Secretariat is requested to forward the working paper on the review of G1103 to VTS58.

The Secretariat is requested to forward the WP annotated G1103 (VTS57-12.5.3.1) as working papers to VTS58 for further development.

Participants of the IALA VTS Committee are asked to note the proposal to withdraw the IALA G1103 – Train the Trainer, and the inclusion of the content in other documents, as well as the possible development of guidance on the use of the IALA VTS Model Courses and provide comments for consideration at VTS58.

10.4 Task 3.8.2 - Develop a Guideline for remote training in VTS

Task group leader: J Carson-Jackson

The Working Group noted the input papers

VTS57-	10.1.2	Report of IG on Task 3.8.2-Remote Training in VTS-rev1	IG 3.8.2
VTS57-	10.1.2.1	20250214-Guideline-Remote Training in VTS	IG 3.8.2

Building on the work carried out at VTS56 and the input paper provided following the intersessional meeting, the draft guideline on remote training in VTS was reviewed in detail. The working document will be sent to VTS58.

It was agreed that the work would continue during intersessional online meetings, which will be advertised on the IALA dashboard and listed in the table of intersessional meetings on the IALA file-share (VTS WG3 Intersessional Meetings). The first intersessional meetings is planned to be held Tuesday 3 June 2025, 1000-1130 UTC. Future dates to be determined as required.

Action item(s):

The Secretariat is requested to forward the WP draft guideline on remote training in VTS (VTS57-12.5.3.2) as working papers to VTS58 for further development.

The Committee participants interested in participating in Task 3.8.2 - guidance on remote training in VTS are invited to contact J Carson-Jackson (jillian@jcconsulting.net) by the 26 May 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA file-share, VTS WG3 Intersessional Meetings.

The Intersessional Task Group Leader to provide input on the intersessional work on task 3.8.2 to VTS58.

10.5 Task 3.8.6 Revision of G1027 on Simulation on VTS training

Task group leader: S Priem

The Working Group noted the input papers:

VTS57-	10.1.3	Report of IG on Task 3.8.6-Review of G1027 on Simulation in VTS Training	IG 3.8.6
VTS57-	10.1.3.1	Draft Revision G1027 Simulation in VTS Training	IG 3.8.6

A summary of the work carried out between VTS56 and VTS57 was presented. The Working Group revised the draft G1027, discussed the definition and development sections thoroughly and updated the annex.

All remaining elements were addressed, including:

- the figure describing the process of development of simulation exercises;
- the use of Artificial Intelligence in simulation training; and
- minor edits to improve the document.

The revised draft Guideline was agreed at VTS57 to be forwarded to IALA Council for approval.

Action item:

The Secretariat is requested to forward the revised IALA Guideline G1027 (VTS57-12.4.1) to Council for approval.

10.6 Task 3.8.7c - Revision of IALA VTS Model Courses (C0103-5)

Task group leader: J Carson-Jackson

The Working Group noted the input papers:

VTS57-	10.1.1	Proposal on Revising Model Course C0103-5	China MSA
VTS57-	10.1.5	Report of ITG on Task 3.8.7c-vs3	IG 3.8.7c
VTS57-	10.1.5.1	20250208-Revised C0103-5 - for VTS57	IG 3.8.7c
VTS57-	10.1.5.2	20250110-Rev G1156 - for VTS57	IG 3.8.7c

The review of C0103-5 noted the principles that have been guiding the review of all IALA VTS Model Courses, and specific elements for C0103-5 as included in VTS57-10.1.5.

Agreement

- *Rename C0103-5 to reflect Revalidation training only (as per the wording in IMO Res. A.1158(32))*
- *Revise G1156 to provide guidance on the process to maintain competence.*

Guiding principles:

- Use existing C0103-5 as basis for review.
- Clearly identify process for ensuring competence (note terminology in the IMO Resolution).
- Training needs to be flexible while reflecting the updated model course format/competence level required.
- Add in clear guidance on adaptation and updating training (note – this has been added to the revision of G1156).

It was agreed to develop C0103-5 as a Model Course for Revalidation Training, with the process for maintaining competence in VTS included in G1156.

The draft revised G1156 was reviewed in detail, noting specifically the new section 9 and the addition of the annex on task analysis.

It was agreed that the work would proceed during intersessional on-line meetings and the outcomes of the intersessional work will be submitted for further consideration at VTS58.

The proposed dates for the intersessional meetings to review C0103-5 will be:

- Tuesday 6 May 2025 – 1000-1130 UTC

Action item(s):

The Committee participants are invited to join the intersessional task group working on the revision of IALA Model Course C0103-5 and to express their interest to J Carson-Jackson (jillian@jcjconsulting.net) by 28 April 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA file-share, VTS WG3 Intersessional Meetings.

The Intersessional Task Group Leader to provide input on the intersessional work on task 3.8.7c to VTS58.

10.7 Task 3.8.8 English Language Competency requirements in VTS operations

Task group leader: S Choi

The Working Group noted the input papers:

VT556-	10.2.1	Input Paper - TASK 3.8.8 VTS Comms Competency Test	KCG and others
VT556-	10.2.1.1	Draft Guideline VTS Comms Competency Testing (13 Aug)	KCG and others

A comprehensive review was conducted on the input papers submitted through intersessional discussions following the 56th VTS Committee meeting, during which the document's structure and content were finalized, leading to a general consensus on its overall content.

It was noted that there remains an ongoing, pressing need, to review and update SMCP. This is specifically important for communications related to VTS.

Further discussions were deemed necessary on specific issues, including the qualification criteria for developers and assessors, as well as the refinement of certain technical terminology to align with other IALA documents while improving clarity. Additionally, a separate annex is planned to be developed to demonstrate a sample set of testing questions based on the guideline, providing a reference for future test development. These matters will be addressed in the next Intersessional Group discussion. Following these refinements, the document is planned for submission for approval at the 58th VTS Committee meeting.

The intersessional meetings will be held online, using the VTS WG3 Plenary room, on:

- Wednesday, May 7 2025 – 1000-1130 UTC

Action Items:

Committee participants interested in participating in Task 3.8.8 – VTS English Communication Competency Testing and the VTS English research conducted by the Korean Coast Guard are invited to contact S Choi (seunghee.choi.1017@googlemail.com) by 30 April 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA fileshare, VTS WG3 Intersessional Meetings.

The Intersessional Task Group Leader to provide input on the intersessional work on task 3.8.8 to VTS58.

That Member States consider raising the compelling need to review and update IMO SMCP at either MSC or NCSR and to contact the IMO Secretariat for further guidance information on when this output is being planned.

10.8 Task 3.9.1 – Consider relevant VTS documents to be revised/updated

At VTS57 the Working Group carried out a systematic review of all IALA documents related to VTS Training, including those documents that are critical to the training for VTS Personnel. The results of this review were noted as remaining valid and are included below for reference.

It was noted that some of the documents still have the ‘IALA Guideline 1115’ when opened in pdf after downloading from the IALA website.

10.8.1 IALA Model Course C0103-4

The Working Group noted editorial corrections for Model Course C0103-4 related to the numbering of the session objectives and subject elements. These were identified to the Secretariat for amending editorially.

Module 1:

1.2 – Adult learning

1.2 – Training Taxonomies – change to 1.3 (and associated references within this section)

Module 4:

4.2 – Training Records

4.2 – Course Evaluation – change to 4.3 (as associated references within this section)

Action item:

That the Secretariat consider making editorial amendments to Model Course C0103-4 contained in the VTS57 Report.

10.9 Review of Work Programme / tasks to be commenced and continued at VTS57

As part of the ongoing activity to monitor and update the Work Programme, the following documents were reviewed:

VTS57-	6.1.1	Committees Work programme 2025-2027	Secretariat
VTS57-	6.1.1.1	Annex Work Programme 2025-2027	Secretariat

The development of the online version of the Work Programme was noted, reviewed and updated. In future the review of the Work Programme may focus on reviewing the online version, and updating it as required.

10.10 Additional tasks/work

10.10.1 Additional Document Review

During the meeting the Working Group reviewed and noted additional documents as identified by the Chair and Vice-Chair of the Committee for review by all working groups.

This included:

VT557-	3.2.1	Report on MSC 109	Secretariat
VT557-	3.4.1	IALA Report Joint IMO-ITU Expert group 7th to 11th October 2024	Secretariat
VT557-	3.5.1	MT7-2426 Liaison note from IEC TC80-MT7 to IALA	IEC
VT557-	4.2.1	Report of the Workshop on VTS Competent Authorities	Secretariat
VT557-	6.1.1	Committees Work programme 2025-2027	Secretariat
VT557-	6.1.1.1	Annex Work Programme 2025-2027	Secretariat
VT557-	7.2.10	Credentials, participation, numbering etc. in IALA committees and subsidiary bodies as an IGO	Secretariat
VT557-	7.2.11	Input paper on the IMT Workshop	Secretariat

10.10.2 Any other business

There was no other business identified by the working group participants.

11. ANY OTHER BUSINESS

Seminar Proposal on the Experiences and Challenges of Daily VTS Operations

Spain's Sociedad De Salvamento Y Seguridad Maritima proposed hosting a seminar on VTS personnel experiences and challenges, aiming to provide a forum for members to share experiences, techniques and common concerns. The seminar seeks to address the lack of a specific platform for VTS personnel to exchange ideas and identify challenges in daily operations. The goal is to inform the VTS Committee on relevant issues for future work items to be included in VTS documentation.

The seminar would support the development of VTS guidance, helping VTS providers harmonize procedures and assisting competent authorities in developing policies and regulatory frameworks. Invitations will be extended to VTS providers, competent authorities, VTS training organisations, Affiliate Industrial Members and relevant associations, with an expected attendance of up to 100 participants.

The three-day event would take place at the Jovellanos Training Centre in Gijón, Spain, in 2026. The Committee approved the proposal for submission to the Council.

Action item:

The Secretariat is requested to forward the Seminar Proposal on the Experiences and Challenges of Daily VTS Operations (VT557-12.1.1) to Council for approval.

2027 – 2030 Work Programme Proposals

The Chair called for participants to consider submitting Work Programme proposals to the next VTS Committee for the 2027 – 2030 period using the template found in the resources section of the VTS dashboard.

Action item:

That participants consider submitting Work Programme proposals to the next VTS Committee for the 2027 – 2030 period using the template found in the resources section of the VTS dashboard.

LN to PAP on update on guidance on interaction between VTS and participating ships

At Transitional Council 03 the VTS Committee's draft Guideline on VTS interaction with a mix of conventional, automated and autonomous ships completed at VTS56, as part of the VTS Committee's 2025 - 2027 Work Programme, was not approved following comment from Councilors suggesting a better approach would be to have one combined guideline with annexes instead of one guideline per committee.

The Council decided to send the Guideline back to VTS Committee for further work and then to PAP, MASS Task Force for further review.

VTS Committee participants noted with concern the outcome of TC03 at VTS57 and that there were no objection to the content but to formalities. Furthermore, drafts of the proposed guideline had been forwarded to PAP, MASS Task Force and the other IALA committees in recent times, mentioning in particular the need for additional guidance for achieving appropriate situational awareness, interaction and systems processes and procedures in this changing environment.

Following the Council's decision, and PAP's request to pause any work on MASS until the overarching IALA Recommendation on MASS has been agreed, the VTS Committee suspended further work on MASS at VTS57.

The Committee is of the view that there is a critical need for additional guidance on interaction to ensure VTS continues to achieve its purpose as prescribed by the IMO and their regulatory responsibilities under national law.

Noting this, at VTS57, the Committee commenced preparations of new guidance material on interaction between VTS and participating ships to assist VTS providers:

- Facilitate planning for changes that may be required to procedures, business rules, communications etc. with increasing mix of traffic in the VTS area.
- Facilitate understanding emerging functional requirements that may need to be considered for existing Decision Support Tools, or when considering procurement processes for a new Decision Support Tool.
- Ensure interaction continues to be undertaken in a manner that ensures VTS achieves its purpose of contributing to the safety of life at sea, improves the safety and efficiency of navigation and supports the protection of the environment within a VTS area by mitigating the development of unsafe situations through:
 - providing timely and relevant information on factors that may influence ship movements and assist onboard decision-making.
 - monitoring and managing ship traffic to ensure the safety and efficiency of ship movements.
 - responding to developing unsafe situations.

A liaison note was approved by the Committee to send to PAP for the panel to note this information.

Action item:

The Secretariat is requested to forward LN to PAP on update on guidance on interaction between VTS and participating ships (VTS57-12.1.2) to the PAP for their consideration.

Farewell to Dirk and Kelly

The Chair bid a heartfelt farewell to Dirk Eckhoff, Vice-Chair, in recognition of his remarkable contributions and unwavering dedication to the VTS Committee over 23 years. The Chair reflected on their seven years of shared leadership, during which Dirk consistently demonstrated his expertise, calm demeanour, and positive outlook. His technical knowledge, particularly in control systems, and his commitment to advancing the work programme, were instrumental in the Committee's progress. The Chair expressed personal gratitude for Dirk's support,

friendship and invaluable guidance in navigating both technical and strategic challenges. Dirk's retirement, beginning in September, marked the conclusion of his long-standing service, and the Chair wished him every happiness in the next phase of his life, emphasising that he would always remain a valued member of the IALA family. During the soirée, Dirk's contributions were celebrated, and he was presented with a painting of the Cordouan lighthouse (painted by VTS Chair) as a token of appreciation from IALA.

Kelly Glew was also honoured for her contributions to the VTS Committee, particularly her dedication as Task Group Leader in WG3. The Chair acknowledged Kelly's commitment to advancing the Committee's objectives and her expertise as a trained VTS operator. Kelly's professionalism and enthusiasm left a positive impact on the Committee's work. As she prepared to enter her retirement, the Chair wished her a fulfilling and enjoyable new chapter filled with opportunities for relaxation and exploration. The Chair extended sincere thanks for Kelly's service and the camaraderie she brought to the VTS Committee.

12. SUMMARY OF OUTPUT AND WORKING PAPERS

The Working Group Chairs reported on the work carried out by their Working Groups.

Outputs from VTS7 were approved by the Committee using the approval procedure. The output documents and working papers are listed in Annex D.

13. REVIEW OF SESSION REPORT

The draft report of the meeting (VTS57-13.1) was approved by the Committee at the Closing Plenary.

14. DATE AND VENUE OF NEXT MEETINGS

VTS58 is planned to be held between 22 – 26 September 2025 at IALA Headquarters, Saint Germain-en-Laye, France.

Other IALA events will be publicised on the IALA website.

15. CLOSING OF THE MEETING

The Chair thanked all Committee participants again for all the engagement and hard work she hoped that all the participants would return again to VTS58.

Monica also hoped that everyone could take the IALA survey that is sent out after every Committee meeting in order to receive feedback for continuous improvements.

Secretary-General, Francis Zachariae, thanked all participants for their work especially as he is aware that all have their jobs back at home to work on also.

Finally, the Chair asked if there were any final comments that participants wished to make; there were none.

16. LIST OF ANNEXES

A. Agenda

A copy of the agenda is at Annex A.

B. Participants list

A list of participants is at Annex B.

C. Input Papers

A list of input papers is at Annex C.

D. Output and Working papers

A list of output and working papers is at Annex D.

E. Action Items

A list of action items is at Annex E.

F. Working Group Participants Lists

Lists of working group participants is at Annex F



57th Meeting of the Vessel Traffic Services Committee (VTS57)

The physical week of the 57th session of the VTS Committee will take place on the 17 – 21 March 2025 at the IALA HQ, Saint Germain-en-Laye, France. Please note that the Opening Plenary will be held virtually on Friday 14 March 2025 starting at 12:00 UTC. The Closing Plenary will be held online on Thursday 27 March 2025 starting at 11:00 UTC.

Agenda

1. Introduction
 - 1.1. Welcome from the Secretary-General
 - 1.2. Approval of agenda
 - 1.3. Apologies
 - 1.4. Working arrangements
2. Review of action items from last session
 - 2.1. Review of action items from VTS56
3. Reports from other bodies
 - 3.1. IALA
 - 3.1.1. IALA General Assembly
 - 3.1.2. IALA Council
 - 3.1.3. IALA Policy Advisory Panel (PAP)
 - 3.2. IMO
 - 3.3. IHO
 - 3.4. ITU
 - 3.5. IEC
4. Reports from rapporteurs
 - 4.1. MASS related to VTS Neil Trainor
 - 4.2. IALA Workshop on VTS Competent Authorities Monica Sundklev
5. Presentations
 - 5.1. IALA World Wide Academy Update WWA
 - 5.2. Results from tests of VHF digital voice communication JCG
 - 5.3. First implementations of VTS Traffic Clearance Service Fintraffic VTS Ltd.
6. Work programme management
 - 6.1. Work Programme, Task Plan, Task Register
 - 6.2. Action plan for this session
7. Review of input papers

- 7.1. Input papers
- 7.2. Input papers not related to an existing task
- 8. Introducing WG1 - Operations
 - 8.1. VTS implementation
 - 8.2. VTS operations
 - 8.3. VTS communications
 - 8.4. VTS auditing and assessing
 - 8.5. VTS Manual updates
 - 8.6. VTS Questionnaire
 - 8.7. Additional tasks/work
- 9. Introducing WG2 - Technology
 - 9.1. VTS data and information management
 - 9.2. VTS technology
 - 9.3. Data models and data encoding
 - 9.4. Additional tasks/work
- 10. Introducing WG3 - VTS training
 - 10.1. Training and assessment
 - 10.2. Accreditation, competency, certification and revalidation
 - 10.3. Capacity building
 - 10.4. Additional tasks/work
- 11. Any other business
- 12. Summary of output and working papers
 - 12.1. Committee wide
 - 12.2. WG1 output
 - 12.3. WG2 output
 - 12.4. WG3 output
 - 12.5. Working papers
- 13. Review of session report
- 14. Date and venue of next meeting
- 15. Close of the meeting

ANNEX B

LIST OF PARTICIPANTS

Last name	First name	Member type	Member Country	Organization	Email
Garcia	Lorena	Affiliate (IGO)	Argentina	Prefectura Naval Argentina	lagpsc@hotmail.com
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ANNEX C LIST OF INPUT PAPERS

All papers are posted on the Committee section of the IALA website. Items in blue = late or updated paper.

Paper Number	Input Paper Title	Source	WG
1.2.1	Provisional Agenda	Secretariat	All
1.4.1	Programme of the Week	Secretariat	All
2.1	VTS56 Action Items	Secretariat	All
3.2.1	Report on MSC 109	Secretariat	All
3.4.1	IALA Report Joint IMO-ITU Expert group 7th to 11th October 2024	Secretariat	All
3.5.1	MT7-2426 Liaison note from IEC TC80-MT7 to IALA	IEC	All
4.2.1	Report of the Workshop on VTS Competent Authorities	Secretariat	All
6.1.1	Committees Work programme 2025-2027	Secretariat	All
6.1.1.1	Annex Work Programme 2025-2027	Secretariat	All
7.0	Input paper committee meeting template	Secretariat	All
7.1.1	Input Paper List	Secretariat	All
7.1.2	Working paper list	Secretariat	All
7.2.1	Experience sharing of China's acceptance of the VTS module in the audits of IMO member states	China MSA	WG1
7.2.2	Liaison note to all Committees on Development of IoT Guidance (ARM19-11.2.2)	ARM19	WG2
7.2.3	Liaison note to PAP and all committees on MRN intersessional work (ARM19-11.3.4)	ARM19	WG2
7.2.4	Liaison note to VTS on Near Miss Incidents (DTEC3-11.2.1.1)	DTEC3	WG1
7.2.4.1	Practices for Data and Management in Developing Automated Near-Miss Incident ID (DTEC3-11.2.1.1.1)	DTEC3	WG1
7.2.5	Liaison note to VTS on Emerging Tech-reviewed (DTEC3-11.2.2.7)	DTEC3	WG2
7.2.6	Liaison note DTEC to all committees (and PAP) on digitalisation of waterways guideline (DTEC3-11.2.2.9)	DTEC3	WG1 and 2
7.2.6.1	Draft IALA Guideline on Digitalization of waterways (DTEC3-11.2.2.9.1)	DTEC3	WG1 and 2
7.2.7	Liaison note to ARM, VTS, ENG, PAP on IALA documentation relating to AIS (DTEC3-11.2.3.4)	DTEC3	WG2
7.2.8	Proposal for a New Guideline on Marine Traffic Information Services in VTS Operations	Mokpo National Maritime University, Republic of Korea	WG1 and 2
7.2.9	Propose on the development of IALA's position on the WRC-27	JCG	WG2

Paper Number	Input Paper Title	Source	WG
7.2.10	Credentials, participation, numbering etc. in IALA committees and subsidiary bodies as an IGO	Secretariat	All
7.2.11	Input paper on the IMT Workshop	Secretariat	All
8.1.1	Proposal for Developing Guidance on Delineating the VTS Area	China MSA	WG1
8.1.1.1	Draft Gxxxx Delineating VTS Area	China MSA	WG1
8.3.1	Proposal on the Description and Use Cases of VTS Scheduling and Allocation Service	China MSA	WG1
8.3.2	Information Paper - Intersessional meeting Rotterdam 15-16 January 2025 TG1.3.1 Def	IG 1.3.1	WG1
8.6.1	Input Paper - Output from ITG 1.9.3 - Review of the VTS Questionnaire	IG 1.9.3	WG1
8.6.1.1	Draft VTS Questionnaire	IG 1.9.3	WG1
8.7.1	New draft Guideline on VTS interaction with MASS (TC03-10.5.3)	Transitional Council 3	WG1
9.1.1	Proposals on the "Service Specification for VTS-Vessel Route Exchange Edition 0.3"	China MSA	WG2
9.1.2	Proposals on the "Service Specification for VTS Traffic Clearance Edition 1.4"	China MSA	WG2
9.1.3	Proposal for working draft of Service Design for VTS Route Exchange	Fintraffic	WG2
9.1.3.1	ANNEX A - Draft Service Design for VTS Route Exchange 0.1	Fintraffic	WG2
9.1.4	Change Proposal to Specifications for VTS Traffic Clearance Service	Fintraffic	WG2
9.1.5	Intersessional meeting Helsinki 29 - 30 January 2025 Task 2.5.2. b	IG 2.5.2b	WG2
9.1.5.1	ANNEX A - Draft Technical Service Specification for route exchange 0.7	IG 2.5.2b	WG2
9.2.1	Proposal on the Amendment of "G1111-1 Producing Requirements for The Core VTS System"	China MSA	WG2
9.2.1.1	Draft G1111-1 ED1.0 Producing Requirements for Core VTS Systems and Equipment	China MSA	WG2
9.2.2	Proposed revision to G1111-1	Korea Coast Guard	WG2
9.3.1	Liaison note to VTS on S-200 implementation plan (ARM19-11.3.5)	ARM19	WG2
10.1.1	Proposal on Revising Model Course C0103-5	China MSA	WG3

Paper Number	Input Paper Title	Source	WG
10.1.2	Report of IG on Task 3.8.2-Remote Training in VTS-rev1	IG 3.8.2	WG3
10.1.2.1	20250214-Guideline-Remote Training in VTS	IG 3.8.2	WG3
10.1.3	Report of IG on Task 3.8.6-Review of G1027 on Simulation in VTS Training	IG 3.8.6	WG3
10.1.3.1	Draft Revision G1027 Simulation in VTS Training	IG 3.8.6	WG3
10.1.4	Report of IG on Task 3.1.1	IG 3.1.1	WG3
10.1.4.1	Draft Revision Task 3.1.1 Guidance for dealing with stress and trauma in VTS operations	IG 3.1.1	WG3
10.1.5	Report of ITG on Task 3.8.7c-vs3	IG 3.8.7c	WG3
10.1.5.1	20250208-Revised C0103-5 - for VTS57	IG 3.8.7c	WG3
10.1.5.2	20250110-Rev G1156 - for VTS57	IG 3.8.7c	WG3
10.2.1	Report of the Intersessional group on Task 3.8.8	Korean Coast Guard	WG3
10.2.1.1	Annex – IG 3.8.8	Korean Coast Guard	WG3
10.4.1	Input on the ITG for developing guidance on aptitudes required by VTS Operators	IG 3.4.1	WG3
10.4.1.1	Draft Guideline Aptitudes required by VTS operators	IG 3.4.1	WG3

Working papers from VTS56

Meeting	Agenda Item	Working Paper Title	Source	Action
VTS56-	12.5.1.1	WP on Frequently Asked Questions MASS	WG1	to VTS57
VTS56-	12.5.1.2	WP on the scoping exercise	WG1	to VTS57
VTS56-	12.5.1.3	WP draft guideline on Establishing policy and regulatory framework	WG1	to VTS57
VTS56-	12.5.1.4	WP draft guideline on VTS Digital Communications	WG1	to VTS57

Meeting	Agenda Item	Working Paper Title	Source	Action
VT556-	12.5.1.5	WP 'A.918-22-SMCP-original_New Draft'	WG1	to VT557
VT556-	12.5.1.6	WP draft G1141	WG1	to VT557
VT556-	12.5.1.7	WP revised Discussion Paper on future VTS	WG1	to VT557
VT556-	12.5.2.1	Revised G1111-1 Producing Requirements for the Core VTS System to include a new section dealing with Management Information Systems.	WG2	to VT557
VT556-	12.5.2.2	WP VTS Digital Information product specification V0.7.2 DRAFT Task 2.8.1	WG2	to VT557
VT556-	12.5.2.3	On the Architecture of the Digital Delivery of VTS Information (adjusted after liaison note from DTEC) Task 2.8.1	WG2	to VT557
VT556-	12.5.2.6	Service specification for VTS - vessel route exchange v0.2 Task 2.8.1	WG2	to VT557
VT556-	12.5.2.7	VTS Position paper on information exchange shore to shore 0.2 Task 2.8.2	WG2	to VT557
VT556-	12.5.2.8	IVEF Technical Service Specification v0.2	WG2	to VT557
VT556-	12.5.2.9	IVEF DD working copy v0.5	WG2	to VT557
VT556-	12.5.2.10	Service design for route exchange v0.1	WG2	to VT557
VT556-	12.5.3.1	WP draft guideline on Remote Training in VTS	WG3	to VT557
VT556-	12.5.3.2	WP draft revised guideline on Simulation in VTS Training	WG3	to VT557
VT556-	12.5.4.1	WP VTS Committee Task Plan	CMT	to VT557
VT556-	12.5.4.2	WP VTS Committee Task Register	CMT	to VT557

Output documents are submitted to a body other than the Committee initiating the document for further review/action or as information.

Meeting	Output paper number	Output Paper Title	Source	Action
VT557-	12.1.1	Seminar Proposal on the Experiences and Challenges of Daily VTS Operations	VT5 Committee	Council
VT557-	12.1.2	LN to PAP on update on guidance on interaction between VTS and participating ships	VT5 Committee	PAP
VT557-	12.2.1	LN to Secretariat on the digital Global Survey	WG1	Secretariat
VT557-	12.2.2	LN to ARM19 on the proposal of the revision of Guideline G1185	WG1	Secretariat
VT557-	12.3.1	LN to IEC on the publication of service design for route exchange	WG2	IEC WG80
VT557-	12.3.2	LN to DTEC4 Digitalization of Waterways	WG2	DTEC4
VT557-	12.3.3	LN to DTEC4 and PAP on JCG Proposal for ITU WRC27 Position	WG2	DTEC4 and PAP
VT557-	12.3.4	Revised Guideline G1111 Establishing Functional Performance Requirements	WG2	Council
VT557-	12.3.5	Revised Guideline G1111-1 Producing Requirements for Core VTS Systems	WG2	Council
VT557-	12.3.6	Service specification for VTS traffic clearance 1.5	WG2	Secretariat
VT557-	12.3.7	Service design for VTS traffic clearance service 1.2	WG2	Secretariat
VT557-	12.3.8	Service design for route exchange 1.0	WG2	Secretariat
VT557-	12.3.9	Service specification on Route Exchange 1.0	WG2	Secretariat
VT557-	12.4.1	Revised G1027 Simulation in VTS Training	WG3	Council

Working papers will remain within the Committee for further review during VTS58.

Meeting	Agenda Item	Working Paper Title	Source	Action
VTS57-	12.5.1.1	WP revised guideline G1150 on Establishing, Planning and Implementing a VTS	WG1	to VTS58
VTS57-	12.5.1.2	WP draft guideline on Develop guidance on VTS digital communications	WG1	to VTS58
VTS57-	12.5.1.3	WP VTS digital communications annex	WG1	to VTS58
VTS57-	12.5.1.4	WP revised guideline G1141 on Operational Procedures for Delivering VTS	WG1	to VTS58
VTS57-	12.5.1.5	WP revised guideline G1089 on Provision of a VTS	WG1	to VTS58
VTS57-	12.5.2.1	WP draft Workshop proposal - FUTURE S-100 VTS SERVICES FOR THE MARITIME COMMUNITY	WG2	to VTS58
VTS57-	12.5.2.2	WP VTS Position paper on information exchange shore to shore 0.2 Task 2.8.2	WG2	to VTS58
VTS57-	12.5.2.3	WP IVEF Technical Service Specification v0.2	WG2	to VTS58
VTS57-	12.5.2.4	WP IVEF DD working copy v0.5	WG2	to VTS58
VTS57-	12.5.2.5	WP Excel Spreadsheet on task 2.8.2	WG2	to VTS58
VTS57-	12.5.3.1	WP annotated G1103	WG3	to VTS58
VTS57-	12.5.3.2	WP draft guideline on remote training in VTS	WG3	to VTS58

Action Items for the IALA Secretariat

1. The Secretariat is requested to forward the WP revised guideline G1150 on Establishing, Planning and Implementing a VTS (VTS57-12.5.1.1) as a working paper to VTS58 for further development. 13
2. The Secretariat is requested to consider how to best actively assist contracting governments, competent authorities, VTS providers and participating ships fulfil responsibilities for VTS, including understanding their responsibilities as described in the IMO Resolution A.1158(32) and IALA standards. 14
3. The Secretariat is requested to forward the WP draft guideline on Develop guidance on VTS digital communications (VTS57-12.5.1.2) with the associated annex (VTS57-12.5.1.3) as working papers to VTS58 for further development. 15
4. The Secretariat is requested to forward the Liaison Note on the proposal of the revision of G1185 (VTS57-12.2.2) to ARM19 for their consideration. 16
5. The Secretariat is requested to make the necessary arrangements to merge tasks 1.8.6 and task 2.5.2.c with the aim of revoking task 1.8.6, due to the fact that the objectives and expected outcome of these two tasks are closely aligned and nearly identical. 16
6. The Secretariat is requested to forward the WP revised guideline G1141 on Operational Procedures for Delivering VTS (VTS57-12.5.1.4) and the WP revised guideline G1089 on Provision of a VTS (VTS57-12.5.1.5) as working papers to VTS58 for further development. 18
7. The Secretariat is requested to take the liaison note on review of the questionnaire and the digital Global Survey (VTS57-12.2.1) into consideration when conducting the survey, taking actions as appropriate. 19
8. The Secretariat is requested to forward the WP draft Workshop proposal - FUTURE S-100 VTS SERVICES FOR THE MARITIME COMMUNITY (VTS57-12.5.2.1) as a working paper to VTS58 for further development. 20
9. The Secretariat is requested to consider arranging a meeting for the VTS Committee inviting CIRM and other relevant stakeholders to discuss the development of VTS S-100 services for digital data exchange between VTS and vessels and liaise the timing with the Chair of VTS WG2. 21
10. The Secretariat is requested to publish the following service design and service specifications on IALA webpage: Service Design for route exchange 1.0 (VTS57-12.3.1), Service specification for VTS traffic clearance 1.5 (VTS57-12.3.7), Service design for VTS traffic clearance service 1.2 (VTS57-12.3.8), and Service specification for route exchange 1.0 (VTS57-12.3.9). 21
11. The Secretariat is requested to forward the Liaison note to IEC on IALA Service Specification for route exchange using S-421 (VTS57-12.3.2) to Council for approval. 21
12. The Secretariat is requested to forward the document G1111 - Establishing Functional Performance Requirements (VTS57-12.3.5) to Council for approval. 22
13. The Secretariat is requested to forward the document G1111-1 Producing Requirements for Core VTS Systems and Equipment (VTS57-12.3.6) to Council for approval. 22
14. The Secretariat is requested to add the S-210 and S-212 proposals to the IHO Concept Registry, incorporating the necessary changes. 22

15. The Secretariat is requested to forward the WP VTS Position paper on information exchange shore to shore 0.2 Task 2.8.2 (VTS57-12.5.2.2); WP IVEF Technical Service Specification v0.2 (VTS57-12.5.2.3); WP IVEF DD working copy v0.5 (VTS57-12.5.2.4); WP Excel Spreadsheet on task 2.8.2 (VTS57-12.5.2.5) as working papers to VTS58 for further development. 22
16. The Secretariat is requested to forward Liaison Note on digitalisation of Waterways guideline (VTS57-12.3.3) to the DTEC Committee for their consideration. 23
17. The Secretariat is requested to forward Liaison Note on JCG Proposal for ITU 27 position paper (VTS57-12.3.4) to the DTEC4 and PAP Committees for their consideration. 23
18. The Secretariat is requested to consider distributing the questionnaire on aptitudes and behaviours for VTS Personnel to the VTS Committee. 25
19. The Secretariat is requested to forward the working paper on the review of G1103 to VTS58. 26
20. The Secretariat is requested to forward the WP annotated G1103 (VTS57-12.5.3.1) as working papers to VTS58 for further development. 26
21. The Secretariat is requested to forward the WP draft guideline on remote training in VTS (VTS57-12.5.3.2) as working papers to VTS58 for further development. 27
22. The Secretariat is requested to forward the revised IALA Guideline G1027 (VTS57-12.4.1) to Council for approval. 27
23. That the Secretariat consider making editorial amendments to Model Course C0103-4 contained in the VTS57 Report. 29
24. The Secretariat is requested to forward the Seminar Proposal on the Experiences and Challenges of Daily VTS Operations (VTS57-12.1.1) to Council for approval. 30
25. The Secretariat is requested to forward LN to PAP on update on guidance on interaction between VTS and participating ships (VTS57-12.1.2) to the PAP for their consideration. 31

Action Items for Participants

26. Committee participants are invited to join the intersessional group (Virtual meetings) working on the revision of guidance on establishing, planning and implementing a VTS and to express their interest to Keeta Rowlands (Keeta.rowlands@mcga.gov.uk) by 30 April 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard. 13
27. The Intersessional Task Group Leader is requested to provide input on the intersessional work on tasks 1.1.4 and 1.1.5 to VTS58. 13
28. Committee participants are invited to join the intersessional group (Virtual meetings) working on the development of guidance on VTS digital communications and to express their interest to Malin Dreijer (malin.dreijer@kystverket.no) by 20 June 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard. 15
29. The Intersessional Task Group Leader is requested to provide input on the intersessional work on task 1.3.1 to VTS58. 15
30. Member States are encouraged to appoint a national coordinator (a single point of contact) responsible for the input of information into the VTS questionnaire and provide the contact

- information of this coordinator to the Secretariat by e-mailing Minsu Jeon (mje@iala.int) by 1 May 2025. 19
31. The Committee participants interested in participating in Task 3.1.1 – develop guidance for dealing with stress and trauma in VTS are invited to contact J Lundsten (jockum.lundsten@aboamare.fi) by 13 May, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA file-share, VTS WG3 Intersessional Meetings. 24
 32. The Intersessional Task Group Leader to provide input on the intersessional work on task 3.1.1 to VTS58. 24
 33. Participants are asked to widely distribute the questionnaire on aptitudes and behaviours for VTS Personnel to any persons or organizations involved in the provision of VTS. This includes, but is not limited to, Competent Authorities, VTS Providers, Training Organizations and VTS Operators for completion by 8 May 2025. 25
 34. The participants interested in participating in Task 3.4.1 Guidance on aptitudes required for VTS Operators are invited to contact Y Nakai (ynakai@toyoshingo.co.jp) by 1 May 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA file-share, VTS WG3 Intersessional Meetings. 25
 35. The Intersessional Task Group Leader to provide input on the intersessional work on task 3.4.1 to VTS58. 25
 36. Participants of the IALA VTS Committee are asked to note the proposal to withdraw the IALA G1103 – Train the Trainer, and the inclusion of the content in other documents, as well as the possible development of guidance on the use of the IALA VTS Model Courses and provide comments for consideration at VTS58. 26
 37. The Committee participants interested in participating in Task 3.8.2 - guidance on remote training in VTS are invited to contact J Carson-Jackson (jillian@jcjconsulting.net) by the 26 May 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA file-share, VTS WG3 Intersessional Meetings. 27
 38. The Intersessional Task Group Leader to provide input on the intersessional work on task 3.8.2 to VTS58. 27
 39. The Committee participants are invited to join the intersessional task group working on the revision of IALA Model Course C0103-5 and to express their interest to J Carson-Jackson (jillian@jcjconsulting.net) by 28 April 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA file-share, VTS WG3 Intersessional Meetings. 28
 40. The Intersessional Task Group Leader to provide input on the intersessional work on task 3.8.7c to VTS58. 28
 41. Committee participants interested in participating in Task 3.8.8 – VTS English Communication Competency Testing and the VTS English research conducted by the Korean Coast Guard are invited to contact S Choi (seunghee.choi.1017@gmail.com) by 30 April 2025, noting the dates and times of the intersessional meetings will be published on the IALA VTS Committee Dashboard and on the table of intersessional meetings on the IALA fileshare, VTS WG3 Intersessional Meetings. 29

- 42. The Intersessional Task Group Leader to provide input on the intersessional work on task 3.8.8 to VTS58. 29
- 43. That Member States consider raising the compelling need to review and update IMO SMCP at either MSC or NCSR and to contact the IMO Secretariat for further guidance information on when this output is being planned. 29
- 44. That participants consider submitting Work Programme proposals to the next VTS Committee for the 2027 – 2030 period using the template found in the resources section of the VTS dashboard. 30

Working Group 1**Operations**

Chair – Trond Ski, Norway, Norwegian Coastal Administration

Vice-chair – Els Bogaert, Belgium, Shipping and Assistance Division

Members	Organisation	Task Group No.
Aerts Milou	Port of Rotterdam Authority	1.3.1
Arita Mayumi	Japan Coast Guard	1.9.1
Arriagada Henry	Armada de Chile - DIRECTEMAR	1.9.1
Assev-Lindin Jeanette	Norwegian Coastal Administration	1.1.5
Berrevoets Maarten	Ministry of Infrastructure and Water Management	1.9.1
Bogaert Els	Agency for Maritime Services and Coast	1.1.5/1.8.5/1.9.1/1.9.3
Bro Mikkel	Defence Command Denmark Naval Staff	1.3.1
Burhanudin Abdullah	Malaysian Marine Department	1.1.4/1.1.5/1.9.1
Clevett Heidi	Maritime and Coastguard Agency	1.1.4
De Vilder Eliane	Ministry of Infrastructure and Water Management	1.1.4
Degner Christian	Danish Emergency Management Agency under the Ministry	1.1.5
Diezis Gero	In-innovative navigation GmbH	1.3.1
Do Hyun Oh	Mokpo National Maritime University	1.9.1
Dreijer Malin	Norwegian Coastal Administration	1.3.1
Ehandi Jyri	Estonian Transport Administration, Estonia	1.3.1
Hansen Dorte	Defence Command Denmark Naval Staff	1.9.1
Hoeve Jan Remi	Ministry of Infrastructure and Water Management	1.3.1/1.9.1
Hovda Knut	Norwegian Coastal Administration	1.9.1
Huisman Hans	Marin	1.3.1
Jonker Richard	Tidalis	1.3.1
Jørgensen Øystein	Kongsberg, Norway	1.3.1
Kallio Esa	Fintraffic VTS	1.3.1
Kaski Maiju	Fintraffic Vessel Traffic Services Ltd	1.3.1
Magro Barbara	Italian Coast Guard	1.1.5/1.8.6
Marumoto Osamu	IMO	1.1.5/1.9.1
Menabene Gian Luca	Italian Coast Guard	1.9.1

Members	Organisation	Task Group No.
Namkyun IM	Mokpo National Maritime University	1.9.1
Piet Are	Estonian Transport Administration, Estonia	1.9.1
Rowlands Keeta	Maritime and Coastguard Agency	1.1.5/1.9.1
Roossenboom Harold	Port of Rotterdam Authority	1.9.1
Sobott Toni	Finnish Transport Infrastructure Agency	1.9.1
Spichiger Oliver	Armada de Chile - DIRECTEMAR	1.9.1
Trond Ski	Norwegian Coastal Administration	1.1.5/1.8.5/1.9.1/1.9.3
Whalen Scott	US Coast Guard	1.1.4/1.1.5/1.9.1
Xianteng Zhao	Ministry of Transport of the People's Republic of China	1.1.4
Xu Lindl	Ministry of Transport of the People's Republic of China	1.1.4

Working Group 2 Technology

Chair – Richard Aase, Norwegian Coastal Administration

Vice-Chair – Pierre Mingot, CEREMA, France

Members	Organisation	Task Group No.	Online (x)
Richard Aase	NCA	All	
Pierre Mingot	CEREMA	All	
Jia Rucun	China MSA	2.6.1	
Liu Wei	China MSA	2.6.1	
Jens Christian Pedersen	TERMA	2.6.1	
Pedro Duarte	Colombia CI2 SA	2.6.1 / 2.5.2	
Thomas H Jeppesen	TERMA	2.6.1	
Rene Hogendoorn	Tidalis	2.8.2	
Younggeun Lee	GC Co Republic of Korea	2.8.2	
Lee sangho	Republic of Korea	2.6.1	
Hong shinjeong	Republic of Korea	2.6.1	
Takuya Fukuda	Tokyo Keiki	2.8.2	
Dmitry Rostopshin	ICS technologies	2.6.1 / 2.5.2 / 2.8.1	
Michael Strandberg	Danish MA	2.5.2 / 2.8.1	
Wim Smets	Flemish Government Maritime Services and Coast	2.5.2 / 2.8.1	
Jaime Alvarez	IALA	2.5.2 / 2.8.1	Yes
Ramin Miraftabi	Fintraffic Vessel Traffic Services Ltd	2.5.2 / 2.8.1	
Juho Pitkänen	Fintraffic Vessel Traffic Services Ltd	2.5.2 / 2.8.1	
Martijn Ebben	Port of Rotterdam Authority	2.5.2 / 2.8.1	
Sirpa Kannos	Fintraffic Vessel Traffic Services Ltd	2.5.2 / 2.8.1	
Matthew Fine	USCG	2.5.2 / 2.8.1	
Xiong E	China MSA	2.5.2 / 2.8.1	
Domenico Febbo	Elman	2.5.2 / 2.8.1	
Kinji Takeuchi	Japan Coast Guard	2.5.2 / 2.8.1	
Merve Arik	Havelsan	2.5.2 / 2.8.1	
Pierluigi Fiori	Elman	2.5.2 / 2.8.1	
Clara Gil Beltran	Indra Systemas	2.5.2 / 2.8.1	
Hollo Kambire	Port Autonome d'Abidjan	2.5.2 / 2.8.1	Yes
MBENE KOAH Alain Serge	Port Authority of Kribi	2.5.2 / 2.8.1	Yes

Working Group 3 Training

Chair – Jillian Carson-Jackson, Nautical Institute

Vice-Chair – Stefaan Priem, Agency for Maritime Services and Coast

Members	Organisation	Task Group No.	Online (x)
Abdullah Kizilelma	Directorate General of Coastal Safety Türkiye	All tasks	
Elisa Giangrasso	Italian Coast Guard	All tasks	
Hilbert Van Omme	Dutch Pilot Corporation	All tasks	
J. Carlos F. Salinas	Spanish Maritime Safety Agency	All tasks	
Jillian Carson-Jackson	Nautical Institute	All tasks	
Jockum Lundsten	Aboa Mare	All tasks	
Kelly Glew	Canadian Coast Guard	All tasks	
Kerrie Abercrombie	Australian Maritime Safety Authority	All tasks	X
Kevin Vervoort	Port of Antwerp-Bruges	All tasks	
Latifa Oumouzoune	IALA WWA	All tasks	X
Liu Wei	China MSA	All tasks	X
Lorena García	Prefectura Naval Argentina	All tasks	X
Michael M. Hansen	Svendborg International Maritime Academy	All tasks	
Michele Landi	Italian Coast Guard	All tasks	
Mika Halttunen	Fintraffic Vessel Traffic Services	All tasks	
Nayoung Kim	Korea Coast Guard	All tasks	
Osamu Marumoto	International Maritime Organization	Task 3.8.8	
Rajali Rahayu	Ministry of Transport Malaysia	All tasks	
Raquel Rojo	Spanish Maritime Safety Agency	All tasks	
Sari Talja	Fintraffic Vessel Traffic Services	All tasks	X
Scott Jacobs	U.S. Coast Guard	All tasks	
Seunghye Choi	Ministry of Oceans and Fisheries	Task 3.8.8	X
Stefaan Priem	Agency for Maritime Services and Coast	All tasks	
Yasuko Nakai	TST Corporation	All tasks	



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