



IALA VTS COMMITTEE

REPORT OF THE 59th SESSION OF THE VESSEL TRAFFIC SERVICES (VTS) COMMITTEE

27 February – 12 March 2026

Thomas Southall

12 March 2026

Technical Operations Manager and Committee Secretary

10, rue des Gaudines – 78100 Saint Germain en Laye, France

Tél. +33 (0)1 34 51 70 01 – contact@iala.int

www.iala.int

International Organization for Marine Aids to Navigation

This page intentionally blank

Report of the 59th session of the Vessel Traffic Services (VTS) Committee

Executive Summary

The 59th session of the VTS Committee was held from 27 February – 12 March 2026, including the physical week at Headquarters between 2 - 6 February, with Monica Sundklev as Chair and Trond Ski as Vice-chair. The Secretary for the meeting was Thomas Southall.

119 participants from 29 countries, three Sister organisations and one observer participated in VTS59. 21 participants attended for the first time.

The VTS Committee considered 62 input papers and produced 38 output papers, including working papers, from three Working Groups.

The meeting was carried out in accordance with Article 11 of the General Regulations of the Organization and the Terms of Reference for Committees.

Key outputs completed included:

- VTS59-12.1.1 Draft Guideline on Establishing a Regulatory Framework for VTS - Responsibilities of a Competent Authority
- VTS59-12.1.2 Revised Guideline G1089 Provision of a VTS
- VTS59-12.1.5 Draft Guideline on VTS Digital Communications
- VTS59-12.1.7 Revised Guideline G1185 Enhancing the Safety Around OREI
- VTS59-12.3.1 Draft Guideline on Attributes for VTS Operator Recruitment
- VTS59-12.3.2 Draft Guideline on Remote Training in VTS
- VTS59-12.2.1 Service Specification for UKC Digital Service 1.0
- VTS59-12.2.6 Proposal to GI Concept Register for S-212 (2026)
- VTS59-12.1.6 Liaison Note from VTS to ARM on NAVGUIDE
- VTS59-12.2.2 Liaison Note from VTS to DTEC on Digital Waterways
- VTS59-12.2.3 Liaison Note from VTS to DTEC on AI
- VTS59-12.2.4 Liaison Note from VTS to DTEC on MCP
- VTS59-12.2.5 Liaison Note from VTS to DTEC and ARM on MRN
- VTS59-12.2.7 Liaison Note from VTS to ENG on Sustainability WG
- VTS59-12.4.1 Liaison Note from VTS to DTEC on Digitalization Vision

Table of Contents

1.....	Introduction	6
1.1	Welcome from the Secretary-General	6
1.2	Approval of the agenda	6
1.3	Apologies	6
1.4	Working Arrangements	7
2.....	Review of Action Items.....	7
3.....	Reports from other bodies.....	7
3.1	The International Organization for Marine Aids to Navigation	7
3.2	IMO	8
3.3	IHO	9
3.4	ITU	9
3.5	IEC	10
4.....	Reports from rapporteurs	10
4.1	MASS related to VTS	10
5.....	Presentations	10
6.....	Work Programme Management	11
6.1	Work Programme 2023 – 2027, Task Plan, Task Register	11
7.....	Review of input papers	11
7.1	LN from DTEC to all committees on Draft Discussion Paper Vision Towards Digitalization (VTS59-7.2.5	11
8.....	Establish Working Groups	11
9.....	Working Group 1 – Operations (WG1).....	12
9.1	Task VTS-1.1.2 on Develop guidance for establishing a compliance and enforcement framework by participating ships in a VTS area	12
9.2	Task VTS-1.1.3a) and b) on Develop guidance on the implications of maritime autonomous surface ships (MASS) from a VTS perspective	13
9.3	Task VTS-1.1.4 on Develop guidance on delineating the VTS area	14
9.4	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	15
9.5	Task VTS-1.2.1 on Develop guidance on digital route exchange within VTS operations	15
9.6	Task VTS-1.3.1 on Develop guidance on VTS digital communications	16
9.7	Task VTS 1.8.2 Review relevant sections of NAVGUIDE in cooperation with the Secretariat	18
9.8	Task VTS 1.8.5 on Enhancing the safety and efficiency of navigation around offshore installations	18

9.9	Task VTS 1.9.1 on Consider relevant VTS documents to be revised/updated	18
9.10	Task VTS 1.9.2 on Continuous update of the VTS Manual	19
9.11	Task VTS 1.9.4 Proceed with the "living document" on "Future VTS", including emerging technologies and Human Element	20
9.12	ANY OTHER BUSINESS	20
10.	Working Group 2 Technology (WG2)	21
10.1	Task 2.5.2 and 2.8.1 (these two tasks are being worked on jointly)	21
10.2	Task 2.8.2 Review and update Recommendation R0145 (V-145) on the Inter-VTS Exchange Format (IVEF) Service	22
10.3	ANY OTHER BUSINESS	23
11.	Working Group VTS Training (WG3).....	24
11.1	Task 3.1.1 – Develop guidance for dealing with stress or trauma in VTS operations	24
11.2	Task 3.4.1 – Guidance on aptitudes for VTS Operators	25
11.3	Task 3.8.1 – Revision of G1103 on Train the Trainer	26
11.4	Task 3.8.2 – Develop a Guideline for remote training in VTS	26
11.5	Task 3.9.1 Consider relevant VTS documents to be revised/updated	27
11.6	Any other business	28
12.	Any other Business.....	29
13.	Summary of output and working papers	29
14.	Review of session report	30
15.	Date and venue of next meetings	30
16.	Closing of the Meeting	30
17.	List of Annexes	30
ANNEX A	VTS59 Committee Agenda	31
ANNEX B	List of participants.....	33
ANNEX C	List of input papers	40
ANNEX D	List of Output Documents and Working Papers	44
ANNEX E	Action Items	46
ANNEX F	Working Group Participants List	50

Report of the 59th session of the Vessel Traffic Services (VTS) Committee

1. INTRODUCTION

The 59th session of the VTS Committee was held from 27 February – 12 March 2026, including the physical week at Headquarters between 2 - 6 March, with Monica Sundklev as Chair and Trond Ski as Vice-chair. The Secretary for the meeting was Thomas Southall.

1.1 Welcome from the Secretary-General

Secretary-General, Francis Zachariae, welcomed participants to VTS59 in Saint-Germain-en-Laye, including those joining online. He congratulated Trond Ski on his appointment as Vice-chair and Neil Trainor as Chair of WG1.

He highlighted the high standard of intersessional work and the well-structured submissions from JCG, Norway, the Korean Coast Guard, KRISO, China MSA, AMSA and Fintraffic. He also referred to important liaison notes on MRN, MCP Instance and digitalisation of waterways, for discussion later. He observed that several guideline projects were now well advanced.

He reported that the Organization continued to do well, with membership increased to 46 Member States, including new members Italy, Azerbaijan, Estonia, Ecuador and Brunei Darussalam and a total membership of 344. The transition from the former Association to the new Organisation had been completed, with all assets and liabilities transferred and the Association formally dissolved in January.

He informed the Committee that the contract for the new headquarters had been signed, supported by the French Government and the host City and that construction was expected to be completed in late spring or summer 2027. As a result, the March/April 2027 Committee meetings would be held off-site, with offers already received from JCG, Norway and Spain.

He drew attention to the D@S International Conference to be held at HQ on 16 – 17 March, the next Conference in Mumbai from 8 – 12 November 2027 and the next Symposium in January 2029, for which hosting invitations had been issued. He also highlighted the upcoming VTS Seminar in Gijón, Spain, on 2 June 2026.

He concluded by wishing delegates a productive meeting and looked forward to seeing them during the week and at the evening's Soirée.

1.2 Approval of the agenda

The agenda was reviewed and approved (VTS59-1.2.1).

1.3 Apologies

No apologies were received. A list of participants who attended VTS59 can be found in Annex B.



1.4 Working Arrangements

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

The Organization complies with the General Data Protection Regulations of the European Union. The Organization will include a list of participants with their contact information in the report and other platforms 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 Documents of the Organization being developed or worked on in this Committee to inform the 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 VTS59 Action Plan that had been agreed by the VTS Committee Management Team (CMT) to be progressed during VTS59 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 VTS59 were displayed in the *Action Plan*, which can be found on the online task tool.

The deadline for submitting documents to the silent approval procedure was set to 6 February 2026 at 10:00 CET.

2. REVIEW OF ACTION ITEMS

The Committee Secretary confirmed that all Secretariat actions from VTS58 were completed (input paper VTS59-2.1.1).

3. REPORTS FROM OTHER BODIES

3.1 The International Organization for Marine Aids to Navigation

3.1.1 Council

Minsu Jeon, Technical Director, reported that the Council met in Mumbai from 8 – 12 December 2025. Several observers attended, including representatives from Portugal, Tunisia, Qatar, Oman and Russia.

Regarding governance and policy matters, the Council approved the revised Staff Rules and adopted the Policy on Submission and Co-sponsoring of Documents to Other Intergovernmental Organisations. It reviewed the Treasurer's report on the financial situation and approved the updated Committee Work Programme for 2025–2027. The Council also endorsed continued work on the concept of IALA Centres of Excellence and asked the Secretariat to develop a governance and designation framework, which is covered below.

On committee outputs, the Council approved several ARM Committee documents, including a new Recommendation on the digitalisation of Marine AtoN and services for vessels of varying autonomy, a revised Guideline on the Organization's domain within the IHO GI Registry and a new Guideline on drone operations for AtoN and VTS infrastructure management. The ENG Committee's approved outputs included revised recommendations on Racon service capability and Marine Racons and editorial updates to the Guideline on branding and marketing of heritage lighthouses. The VTS Committee outputs included revised recommendations and guidelines on VTS communications, VTS personnel training and a new Guideline on English communication competency testing. The revised Model Course on revalidation training for VTS personnel was also approved.

From the DTEC Committee, the Council approved revised recommendations on Application Specific Messages and an enhanced technical specification for the Maritime Service Registry.

Regarding events and appointments, the Council approved the third joint IHO–IALA workshop on S-100 and S-200 validation and the Digital@Sea International Seminar to be held in March 2026. It appointed Thomas Arculus as Chair of the Legal Advisory Panel, Tiago da Silva Benavente as Vice-Chair and, following a vote, Trond Ski as Vice-Chair of the VTS Committee. It also agreed to progress preparations for the 15th IALA Symposium in January 2029.

For World Marine Aids to Navigation Day, the Council approved hosting the 2026 main event in the Republic of Korea and the 2027 event in Georgia. It endorsed changes to the Heritage Lighthouse of the Year selection rules, expanding eligibility to Associate Members and adjusting timelines. Evangelistas Lighthouse in Chile was designated the Heritage Lighthouse of the Year 2026.

Finally, the Council noted that Headquarters would have no meeting space during the first half of 2027 due to the new building project. Committee meetings during this period would need to be hosted by Members, who were invited to notify the Secretariat by 31 March 2026.

3.1.2 Policy Advisory Panel (PAP)

PAP60 was held from 2 – 6 February 2026 at Headquarters. On digitalisation, the session recognised that substantial work was progressing across all Committees, but much of it had developed in a bottom-up manner. It was agreed that DTEC Task 7.1.1, which was developing a digitalisation strategy, should evolve into an organisation-wide strategic reference document.

Responsibilities for MRN were clarified. DTEC would retain core technical governance and structural oversight, while ARM would develop implementation guidance under S-201. This division aimed to ensure consistency and avoid overlap between Committees.

Regarding S-200 implementation, technical development continued across multiple product specifications. However, the meeting noted practical challenges, particularly around definitions and data harmonisation. PAP concluded that dictionary and terminology alignment should be revisited to support interoperability and training.

Sustainability work had been formalised. A Sustainability Working Group was planned under ENG with cross-Committee participation, with a key objective to produce concise, outward-facing sustainability material for the 2027 Conference in India.

On the Thursday of the PAP week, a one-day strategic vision workshop was held. PAP examined the Organization's long-term strategic direction and identified key drivers influencing future work, including digital transformation, autonomy, resilient PNT, sustainability pressures and evolving international regulatory engagement. The purpose was to gather structured insight rather than take immediate decisions, and these inputs would inform future strategic development.

On the MCP, a feasibility study is planned, focusing on governance models, liability, operational implications and scope. PAP confirmed that the study should proceed without changes to its direction.

Finally, the meeting noted strengthened cooperation between the Organization and IMO following the signing of an MoU, creating opportunities for more active technical engagement.

3.2 IMO

Minsu Jeon provided an overview to the Committee of recent and upcoming IMO work.

MSC 111 was expected to formally adopt the SOLAS amendments for the AIS/VDES carriage requirement, previously approved at MSC 110, with an entry into force date of 1 January 2028. The meeting was also expected to adopt the non-mandatory MASS Code, which would act as a preparatory framework ahead of the mandatory

Code planned for 2028. MSC would additionally consider amendments related to the Worldwide Radionavigation System, including SBAS and ARAIM and note guidance on cybersecurity and software maintenance.

NCSR 13 was expected to focus on digital navigation and connectivity, including review of the S 100 framework, IP based connectivity and digital route exchange. Minsu Jeon noted that IMO continued to move forward with S 100 services and IP based ship–shore connectivity recognised as important enablers but not yet forming mandatory SOLAS requirements. The meeting would place emphasis on trials, operational guidance and human element considerations to avoid over reliance on automation. NCSR would also continue its work on Maritime Safety Information, GMDSS, e Navigation and NAVDAT related circulars. VTS and DTEC had commented on the relevant papers, with the final version to be completed the following week.

The Organization has submitted two information papers to NCSR13:

- one presenting a harmonised connectivity architecture for S 100 ECDIS implementation based on SECOM and MCP, outlining functions for identity, trust, security and service discovery.
- one reporting the outcomes of the workshop on IMT for Marine Aids to Navigation, highlighting how technologies such as 5G and future 6G could support digital AtoN, VTS and maritime services and identifying operational use cases, challenges and requirements.

The Committee was informed of an information paper to the IMO FAL Committee proposing guidance on port nautical information, prepared by the Netherlands and supported by several States and organisations. The work aimed to harmonise navigation related information provided by ports, an area not currently standardised at international level. While not requiring direct involvement at this stage, the topic was relevant due to its links with digital ship–shore information flows and future interfaces with S 100, S 200 and VTS related services. The Technical Director noted that the Organization should monitor developments and engage once the work was approved.

Minsu Jeon also reported on the joint IMO–IHO–IALA regional workshop on S 100 implementation held in Turkmenistan in December 2025. The workshop supported States in the Black Sea and Caspian Sea region as they prepared for the transition to S 100 capable ECDIS. It provided a forum for discussion of technical specifications, operational readiness and implementation challenges. The event demonstrated the value of close cooperation between IMO, IHO and IALA and confirmed differing levels of readiness among States, highlighting the ongoing need for coordinated capacity building, targeted training and clear technical guidance.

3.3 IHO

Minsu Jeon reported that cooperation between the Organization and IHO had strengthened over the past year, particularly to ensure coherent development between the S-100 and S-200 frameworks. The Organization had continued to participate in the IHO Hydrographic Services and Standards Committee and the Worldwide Academy had joined several Regional Hydrographic Commission meetings. In return, IHO had begun attending committee meetings. This two-way engagement had proven important for maintaining alignment between product specifications and avoiding divergence between the two frameworks.

In terms of capacity building, the IMO–IHO–IALA Joint Workshop held in Turkmenistan in December 2025 had been delivered successfully and cooperation had continued through two S-200 training activities, with IHO experts contributing as lecturers in IALA-led sessions. This approach allowed expertise to be shared efficiently and promoted consistent technical messaging to Member States.

Planning was under way for a Joint IHO–IALA Workshop in Istanbul in September 2026. The focus would be on practical implementation challenges and interoperability issues between the S-100 data model managed by IHO and the S-200 data model coordinated by the Organization. The VTS Committee had requested representation on the Steering Committee and a VTS representative had now joined.

3.4 ITU

Minsu Jeon introduced the report from ITU-R Working Party 5B, which had met in November 2025. He noted that Stefan Bober attended as the Organization's representative and that the report would be made available to all committees.

WP 5B had finalised revisions to several ITU-R Recommendations relevant to the maritime domain, including those covering maritime identities, AIS, systems for broadcasting maritime safety and security information in the HF and VHF bands and the VDES. WP 5B had informed the Organization, together with IMO and IEC, that these revised Recommendations had been adopted by ITU-R Study Group 5 and would be circulated to the ITU membership for approval by correspondence.

Minsu Jeon highlighted that this liaison confirmed continued progress at ITU on radio standards underpinning key areas of the Organization's work, including VDES, digital maritime services and future connectivity frameworks. The update also reinforced the importance of maintaining close coordination between ITU, IMO, IEC and IALA as these standards moved towards implementation.

3.5 IEC

The Committee noted the report on IEC TC80. The primary activity concerned the revision of IEC 61174 to Edition 5. This work, led by MT 7, responded directly to IMO Resolution MSC.530(106) and aimed to establish testing and performance standards to support IHO S-100 framework products.

In parallel, Working Group 17 continued work on the second edition of IEC 63173-1 Ed.2 (Route Plan) and IEC 63173-2 Ed.2. These revisions were being closely synchronised with the Active Route Exchange Protocol to maintain technical consistency within the wider S-100 ecosystem. Meetings for this work were scheduled to take place in London in April and May 2026.

WG 15 continued its work on VDES and AI security developments, specifically on the VDES Shipborne Mobile Station standard. It was noted that IEC TC80 was prepared to incorporate IALA's AIS message authentication method into the relevant standards once the IALA technical specifications were finalised.

4. REPORTS FROM RAPPORTEURS

4.1 MASS related to VTS

The Chair noted that the rapporteur for MASS, Neil Trainor, was absent due to travel and therefore no specific update was available.

The Chair informed the Committee that the previous pause on progressing guidance related to MASS had been lifted. This followed the approval of Recommendation R1026 on the Digitalisation of Marine Navigation and Services for Vessels with Varying Levels Of Autonomy. Work on Task 1.1.3, developing guidance on the implications of maritime autonomous surface ships from a VTS perspective, could therefore proceed.

The Committee noted that a decision on whether this work should form a standalone guideline or be incorporated into a broader MASS guideline would be taken at a later stage. Further updates would be provided by the rapporteur when available.

5. PRESENTATIONS

The presentations given at VTS59 can be found on the fileshare (login necessary). The following presentations were given:

- | | |
|---|------------|
| • Digital VTS Traffic Clearance Service | Fintraffic |
| • Field Trials of VDES ASM Reception | JCG |
| • Advanced Decision Support System | CMSA |

- Document control
- World-Wide Academy Update

Secretariat
WWA

6. WORK PROGRAMME MANAGEMENT

6.1 Work Programme 2023 – 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 Organization's Strategic Vision.

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 will be done in the online Task Tool. 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.

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

7. REVIEW OF INPUT PAPERS

The input papers for VTS59 consisted of new input papers as well as working papers from the previous session. The input paper list (VTS59-7.1.1) did not include the working papers from VTS58. The working paper list (VTS59-7.1.2) was a separate input document.

7.1 LN from DTEC to all committees on Draft Discussion Paper Vision Towards Digitalization (VTS59-7.2.5)

The Committee noted the liaison note from DTEC on the draft discussion paper IALA Vision Towards Digitalization and agreed a consolidated response developed by the Committee Management Team. The Committee welcomed the work undertaken by DTEC and provided high-level observations on the proposed vision, strategies and timelines. In particular, the Committee highlighted the need for a coordinated, organisation-wide approach to any digitalization vision, the importance of PAP's role in strategic alignment and the need for clearer scope, structure and terminology within the paper. The Committee also noted that several timelines and assumptions regarding S-100-related products and technical service specifications require clarification. These comments were submitted to DTEC for consideration.

Action item:

Action Item VTS59-1 *The Secretariat is requested to forward LN from VTS to DTEC on Digitalization Vision (VTS59-12.4.1) to DTEC for consideration.*

8. ESTABLISH 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	Neil Trainor (Chair), Els Bogaert (Vice-chair)
WG2 – Technology	Richard Aase (Chair), Robert Townsend (Vice-chair)

WG3 – VTS Training	Jillian Carson-Jackson (Chair), Stefaan Priem (Vice-chair)
--------------------	--

9. WORKING GROUP 1 – OPERATIONS (WG1)

During the 59th session of the VTS committee, WG1 - Operations progressed 12 tasks assigned under the 2025 - 2027 Work Programme. Key outputs included:

- Two new Guidelines completed and forwarded to Council for approval.
 - *Establishing a Regulatory Framework For VTS – Responsibilities of a Competent Authority*
 - *VTS Digital Communications*
- Two Guidelines were revised and forwarded to Council for approval.
 - *Guideline G1089 - Provision of a VTS*
 - *Guideline G1185 - Enhancing the safety around OREI*
- One Liaison Note
 - Liaison note to ARM with regards to the revision of the NAVGUIDE 2023
- Other
 - The VTS Manual was updated to reflect the outcomes from VTS59. In addition, secretariat will revise the 'Forward' and 'Section 16 IALA' and to reflect the Organization now being an IGO. The next edition will be published following C04 in June.
 - The 'Future VTS' Discussion Paper was updated to include 'Drones at Low Altitude' as an emerging trend, technology and practice.

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:

- 1.1.2 Develop guidance for establishing a compliance and enforcement framework by participating ships in a VTS area
- 1.1.3.a Develop guidance on the implications of maritime autonomous surface ships (MASS) from a VTS perspective
- 1.1.4 Develop guidance on delineating the VTS area
- 1.1.5 Develop guidance to assist competent authorities for VTS establish an appropriate policy and regulatory framework to meet their obligations
- 1.2.1 Develop guidance for digital route exchange within VTS operations
- 1.3.1 Develop guidance on VTS digital communications
- 1.8.2 Review relevant sections of NAVGUIDE in cooperation with the Secretariat
- 1.8.5 Enhancing the safety and efficiency of navigation around offshore installations
- 1.9.1 Consider relevant VTS documents to be revised /updated
- 1.9.2 Continuous update of the VTS Manual
- 1.9.3 Review the VTS questionnaire and conduct a digital global survey
- 1.9.4 Proceed with the "living document" on "Future VTS", including emerging technologies and Human Element

9.1 Task VTS-1.1.2 on Develop guidance for establishing a compliance and enforcement framework by participating ships in a VTS area

Task group leader: Jeanette Assev-Lindin

Input papers:

8.1.1 *Compliance and enforcement framework for participating ships*

8.1.2 *Proposal based on the Korean Vessel Traffic Services Act.docx*

Key outcomes include:

VT58 commenced work on Task 1.1.2, which focuses on developing guidance for the regulatory framework applicable to participating ships in VTS.

Discussion at VT58 highlighted that the scope of this guidance might not require a standalone guideline and may be better progressed Task 1.1.5 - *Developing guidance to assist competent authorities for VTS establish an appropriate policy and regulatory framework to meet their obligations.*

At VT59 it was agreed that the proposed guideline on *Compliance and enforcement framework for participating ships* should be finalised as part of task 1.1.5.

Task Groups 1.1.2 and 1.1.5 liaised closely during VT59 to merge the work completed with regards to compliance and enforcement and included the input paper from China MSA into the draft guideline (Task 1.1.5).

Output:

Refer to 9.3 below.

Action item:

Action Item VT59-2 *That the Committee Management Team mark Task 1.1.2 as complete in the Committee Task Plan.*

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

Task group leader: Dorte Hansen

Input papers:

TC03-10.5.3 New draft Guideline on VTS interaction with MASS

R1026-Ed1.0-Digitalization-of-AtoN-Services-for-Vessels-of-Varying-Levels-of-Autonomy

R1019-Ed2.0-Provision-of-Maritime-Services-in-the-context-of-e-Navigation-in-the-Domain-of-IALA-June-2024-1

IMO Guideline A.1158(32) Guidelines for Vessel Traffic Services

Key outcomes include:

The Committee noted that:

- Task 1.1.3a had been completed by the Committee at VT56 and submitted for silent approval.
- Following VT56 the task had been put on hold following pending the developing the overarching Recommendation related to MASS.
- With approval of Recommendation *R1026-Ed1.0-Digitalization-of-AtoN-Services-for-Vessels-of-Varying-Levels-of-Autonomy* in December 2025, work would re-commence on Task 1.1.3a at VT59.

Discussions at VT57 and VT58 highlighted that consideration should be given to the core elements of the draft guideline on autonomous surface ships being included in a minor revision of *Guideline G1089 – Provision of a VTS* as opposed to a new stand-alone guideline, noting the evolving IMO MASS Code.

At VT59 it was concluded that in addition to minor editorial changes to G1089, minor clarifications should be included with regards to situational awareness, interaction and systems, processes and procedures. Specifically:

- **Situational Awareness** - A key factor in maintaining the safety and efficiency of navigation and supporting the protection of the environment for both VTS and all ships, is to establish and maintain situational awareness. Interaction between VTS and ships, whether by VHF voice or digital means, should be managed to ensure that situational awareness is effectively established and maintained from the perspectives of both VTS and participating ships.
- **Interaction** - With the transition to more digital interaction, it is important to recognize the use of the terms 'interaction' and 'communication', noting the IMO resolution for VTS uses the term 'interaction' in the definition of VTS. The guideline now highlights the key difference between '*communication*' and '*interaction*' is that '*interaction*' is a broader term while '*communication*' is a part of the '*interaction*'.
- **Systems, Processes and Procedures** – This section provides key considerations for VTS in to take into account when interacting with a diverse range of ship operations and technologies using appropriate communication means (whether analog or digital) to monitor and manage ship traffic and respond to developing situations.

In completing its work, the Committee considered:

- *R1026-Ed1.0-Digitalization-of-AtoN-Services-for-Vessels-of-Varying-Levels-of-Autonomy*
- *R1019-Ed2.0-Provision-of-Maritime-Services-in-the-context-of-e-Navigation-in-the-Domain-of-IALA-June-2024-1*
- *IMO Resolution A.1158(32) Guidelines for Vessel Traffic Services* – to ensure the Guideline reflects the Resolution with regards to the purpose of VTS.

With regards to R1019, it was noted that the Recommendation does not specify 'who' should take into consideration the actual Recommendation.

Output: A revised version of *Guideline 1089 – Provision of a VTS* (VTS59-12.1.2 revised Guideline 1089 – Provision of a VTS)

Action items:

Action Item VTS59-1 *The Secretariat is requested to forward revised Guideline G1089 Provision of a VTS (VTS59-12.1.2) to Council for approval.*

Action Item VTS59-2 *That the Secretariat is requested to consider an editorial update to R1019 to clarify 'who' should take into consideration the actual Recommendation in their ongoing review.*

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

Task group leader: Heidi Clevett

Input papers: None

Key outcomes include:

At VTS57 the committee began the work on task 1.1.4 'Develop guidance on delineating the VTS area'.

At VTS58 it was identified that there may not be a need to develop a new standalone guideline for delineating a VTS area, as this subject matter may be better placed in *G1150 - Establishing, Planning and Implementing a VTS*.

During VTS59 *G1150 - Establishing, Planning and Implementing a VTS* was revised to reflect the draft guidance on delineating a VTS area prepared at VTS57 and VTS58.

During this work, it was also identified that the contents of *G1160 - Competencies for Planning and Implementing a VTS* would also be better placed in *G1150 - Establishing, Planning and Implementing a VTS*.

The revision of the Guideline G1150 would benefit from considering:

- Including some text from the revoked V-119

- Referencing IMO FSA Guidance
- Alignment with G1018 – Risk Management

Action item:

See Action Item VTS59-16

Action Item VTS59-3 *Committee participants are invited to join the intersessional group (Virtual meetings) working on Develop guidance on delineating the VTS area (review of G1150) and to express their interest to Neil Trainor (neil.trainor@hotmail.com) by 15 May 2026, noting the dates and times of the intersessional meetings will be published on the VTS Committee Dashboard.*

Action Item VTS59-4 *The Intersessional Group Leader to provide input on the intersessional work on task 1.1.4 to VTS60.*

9.4 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 leader: Keeta Rowlands

Input papers:

VTS58-12.5.1.2 WP Establishing a Regulatory Framework for VTS for Approval.docx

8.1.3 Proposal on the draft Guideline on VTS CA.docx

Key outcomes include:

A draft guideline “Establishing a Regulatory Framework for VTS – Responsibilities of a Competent Authority” was completed at VTS58 but put on hold from going to approval (see 1.1.4 above). Committee participants were invited at VTS58 to review WP draft guideline and provide comments and remarks as input to VTS59.

In reviewing the draft guideline participants considered:

- Input Paper VTS59-8.1.3 Proposal on the draft Guideline on VTS CA.docx
- The outcomes from Task Group 1.1.2 with regards to Develop guidance for establishing a compliance and enforcement framework by participating ships in a VTS area (See Section 1.1 above)

Action item:

Action Item VTS59-5 *The Secretariat is requested to forward the draft Guideline on Establishing a Regulatory Framework for VTS – Responsibilities of a Competent Authority (VTS59-12.1.1) to Council for approval.*

9.5 Task VTS-1.2.1 on Develop guidance on digital route exchange within VTS operations

Task group leader: Remi Hoeve

Input papers:

8.2.1 Proposal on Digital Route Exchange within VTS operations (VTS59-8.2.1)

8.2.1.1 Annex Draft Guideline on Digital route exchange within VTS operations (VTS59-8.2.1.1)

8.3.1 Result of field trials on VHF digital voice communication (VTS59-8.3.1)

Key outcomes include:

After a presentation from China MSA and discussion about the developments in VTS digital communications of the group reviewed task 1.2.1. It was clear to the group that the anticipated increase in the use of digital communication services within VTS creates new opportunities to enhance the safety, efficiency and predictability

of vessel traffic. Digital services enable structured information exchange between vessels and VTS centres, support improved situational awareness and facilitate more efficient traffic planning and coordination.

The operational use of these services requires harmonised guidance to ensure that digital communication is applied consistently within day-to-day VTS operations and integrated effectively with existing communication methods.

Therefore, the group developed a new title for the task which overarched the need for this task in a better way. Also, the objectives of the task, the compelling need and the scope were amended accordingly.

The group considered the Annex Draft Guideline on Digital route exchange within VTS operations (VTS59-8.2.1.1) as a good draft guideline to start the discussion about the reviewed task 1.2.1 in VTS60. The group decided to consider the document as an output from TG 1.2.1 and send it forward to VTS60 as a Working Paper.

The Group noted the VTS59-8.3.1 “Result of field trials on VHF digital voice communication”. The group did not discuss this document on request of the submitter as these field trials are still in progress. The group considered the document as information.

Output:

- Reviewed text of Task 1.2.1 and proposed the title of the Task be amended to ‘*Develop guidance on how to use digital communication services within the VTS operations*’.
- Annex Draft Guideline on Digital route exchange within VTS operations.

Action items:

Action Item VTS59-6 *The Committee Management Team is requested to amend Task 1.2.1 of the Work Programme with the reviewed text “Task 1.2.1 Develop guidance on how to use digital communication services within the VTS operations”.*

Action Item VTS59-7 *The Secretariat is requested to forward the WP Annex Draft Guideline on Digital route exchange within VTS operations (VTS59-12.5.1.1) as a working paper to VTS60 for further development.*

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

Task group leader: Remi Hoeve

Input papers:

- 12.5.1.6 WP Guideline on VTS Digital Communications (VTS58-12.5.1.6)
- 12.5.1.3 WP Use Cases on VTS Digital communications (VTS58-12.5.1.3)
- 9.1.4 Report intersessional meeting Ostende (VTS59-9.1.4)
- 9.1.5 Findings from the digital traffic clearance service (Fintraffic) (VTS59-9.1.5)
- 8.2.1 Proposal on the Development of Guideline on Digital Route Exchange within VTS Operations (China MSA) (VTS 59-8.2.1)

Key outcomes include:

The draft Guideline on VTS Digital Communications was brought to silent approval process in VTS58. After remarks made during the silent approval process the TG Leader, in close consultation with the WG1 chair and VTS Committee Chair, decided to withdraw the draft guideline from the silent approval process and sent it forward as a Working Paper to VTS59.

At VTS59 TG 1.3.1 noted and discussed the remarks on the Guideline made in the silent approval process and reviewed the Guideline. Appropriate clarifications were brought in and terminology was amended to prevent

misunderstandings. The group decided that the guideline on VTS Digital Communications was ready for silent approval in VTS59.

TG 1.3.1 (WG1) had two joint sessions with TG 2.5.2/2.8.1 (WG2) to get a common understanding of the usage of UKC in VTS operations. TG 1.3.1 developed operational context for UKC service specification.

TG 1.3.1 and TG 2.5.2/2.8.1 recognized that close cooperation between the Task Groups can benefit the work in both Task Groups. It was decided that a more structured cooperation could benefit the efficiency and collaboration between the task groups.

It was agreed that at future committee meetings there should be a joint session between WG1 and WG2 during the week.

The task group continued the work on the use cases (VTS58-12.5.1.3). The report of the intersessional meeting and the Input Paper “Findings from digital traffic clearance service” were discussed and use cases were amended where appropriate. The task group worked on the use cases of traffic clearance service and decided to work on following digital service use cases during intersessional online meetings: Traffic Clearance Service (VTS59-9.1.5 input paper from Fintraffic) and Route Exchange Service (VTS 59-8.2.1 input paper from China MSA).

The following use cases from digital services are under development or under revision: VTS Information Service, VTS Reporting Service, Traffic Clearance Service and Route Exchange Service. Other VTS digital services will be commenced after finalizing services above. Prioritisation of digital services depends on the input from the VTS Committee.

The group discussed an input paper on Disaster Management in VTS operations that was submitted to and transferred from the DTEC Committee. To develop technical services for disaster management it is necessary to define use cases from an operational perspective, so possible technical adjustments to underlying technical services can be identified. Therefore TG 1.3.1 kindly invites the Japan Coast Guard to develop use case from an operational perspective and send as an input paper to the VTS Committee.

The task group is planning three online intersessional meeting 27 May, 10 June and 24 June. The meetings will take place between 07:00 - 10:00 UTC. The meetings will focus on VTS operational use cases.

If there is interest to participate in this meeting, contact Remi Hoeve (remi.hoeve@rws.nl) no later than the 15th of May 2026. To follow the discussion and for efficiency participants are encouraged to join all three online sessions.

Output:

Draft Guideline on VTS Digital Communications (VTS59-12.1.5)

Action items:

Action Item VTS59-8 *The Secretariat is requested to forward draft Guideline on VTS digital communications to Council (VTS59-12.1.1) for approval.*

Action Item VTS59-9 *The Secretariat is requested to forward the WP on use cases under construction (VTS59-12.5.1.2) to VTS60 for further development.*

Action Item VTS59-10 *Committee participants are invited to join the intersessional group (Virtual meetings) working on the development of use cases for VTS digital communications and to express their interest to Remi Hoeve (remi.hoeve@rws.nl) by 15 May 2026, noting the dates and times of the intersessional meetings will be published on the VTS Committee Dashboard.*

Action Item VTS59-11 *The Intersessional Group Leader to provide input on the intersessional work on task 1.3.1 to VTS60.*

Action Item VTS59-12 *That participants provide input to Task 1.3.1 on operational use cases for digital VTS services to VTS60.*

Action Item VTS59-13 *That Task Group Leaders schedule a joint session of TG 1.3.1 and TG 2.5.2/2.8.1 at VTS60 on the Monday 16.00 CEST.*

9.7 Task VTS 1.8.2 Review relevant sections of NAVGUIDE in cooperation with the Secretariat

Task group leaders: Neil Trainor / Els Bogaert

Input papers:

8.7.1 VTS59-8.7.1 LN from ARM to all committees on NAVGUIDE 2027 (ARM21-11.1.2).docx

8.7.2 NAVGUIDE 2023

Key outcomes include:

Noting the Liaison Note from ARM on the NAVGUIDE (Version 9) the guide was reviewed with regards to components related to VTS.

It was noted that the NAVGUIDE has not been updated since April 2023 and some minor changes were identified with regards to VTS.

Output:

A Liaison note from VTS to ARM with regards to the revision of NAVGUIDE plus attachment VTS59-12.1.6 and 12.1.6.1).

Action item:

Action Item VTS59-14 *The Secretariat is requested to forward the Liaison Note and attachment on suggested amendments to the NAVGUIDE (VTS59-12.1.6 and 12.1.6.1) to ARM for their consideration.*

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

Task group leaders: Els Bogaert

Input papers:

8.7.2 LN from ARM to VTS on the revision of G1185 Enhancing the safety of OREI (ARM21-11.1.4).docx

8.7.2.1 Draft G1185 Ed2.0 Enhancing the safety around OREI V3 (ARM21-11.1.4.1).docx

Key outcomes include:

The Committee reviewed the draft guideline G1185 - Enhancing the Safety and Efficiency of Navigation around Offshore Renewable Energy Installations (OREI) prepared at VTS58.

Based on the review and comments from the ARM Committee (VTS59-8.7.2, VTS59-8.7.2.1) the Committee completed Task 1.8.5.

Output:

Revised Guideline G1185 Enhancing the safety around OREI (VTS59-12.1.7).

Action item:

Action Item VTS59-15 *The Secretariat is requested to forward the revised Guideline G1185 Enhancing the safety around OREI (VTS59-12.1.7) to Council for approval.*

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

Task group leaders: Neil Trainor/Els Bogaert

Input papers:

- VTS56 8.7.1 .1 Proposal for the revision of guidelines related natural disaster
- VTS59-8.7.3 Proposed Improvements to G1141 Operational Procedures for VTS.docx
- VTS59-8.7.3.1 Revised G1141 based on VTS57-12.5.1.4 WP.docx

Key outcomes include:

The Committee concluded that consideration should be given to reviewing / updating the following Guidelines:

- Guideline G1150 - Establishing, Planning and Implementing a VTS – focusing on better alignment with contents in the revoked V-119
- G1141 – Operational Procedures – minor update to be considered following input papers VTS56 8.7.1, VTS59-8.7.3, VTS59-8.7.3.1.
- G1110 Use of Decision Support Tools for VTS Personnel
Refer to input paper to VTS59 from China MSA (VTS59-8.7.5 *Proposal for the work plan - DST.docx*) proposing a revision to Guideline G1110 to incorporate the functional and performance standards of advanced decision support tools into the guideline to promote the coordinated development of advanced decision support tools worldwide.
- G1142 – The Provision of a Local Port Service other than a VTS-to reflect the revision of G1150 Guideline G1150 - Establishing, Planning and Implementing a VTS.
- G1070 - VTS Role in Managing Restricted or Limited Access Areas re referring to VTS Authority should be editorially reviewed and VTS provider be used instead.

Action items:

Action Item VTS59-16 *The Secretariat is requested to consider updating Guideline G1070 VTS Role in Managing Restricted or Limited Access Areas to refer to VTS providers as opposed to VTS Authorities.*

Action Item VTS59-17 *The Secretariat is requested to forward WP G1150 Establishing, Planning and Implementing a VTS (VTS59-12.5.1.3), WP G1141 Operational Procedures (VTS59-12.5.1.4), WP G1110 Use of Decision Support Tools for VTS Personnel (VTS59-12.5.1.5) and WP G1142 LPS (VTS59-12.5.1.6) as working papers to VTS60 for further development.*

Action Item VTS59-18 *The Secretariat is requested to forward WPs VTS56 8.7.1 VTS56-Proposal for the revision of guidelines related natural disaster, VTS59-8.7.3 Proposed Improvements to G1141 Operational Procedures for VTS.docx and VTS59-8.7.3.1 Revised G1141 based on VTS57-12.5.1.4 WP.docx as working papers to VTS60 for further consideration in progressing the review of G1141.*

Action Item VTS59-19 *Working Group 1 is requested to consider the WPs above in reviewing G1141 as part of Task VTS 1.9.1 on Consider relevant VTS documents to be revised/updated at VTS60.*

9.10 Task VTS 1.9.2 on Continuous update of the VTS Manual

Task group leaders: Neil Trainor

Input papers: None

Key outcomes include:

Draft text highlighting the revised and new Recommendations and Guidelines completed at VTS59 was prepared and will be reviewed following Council04 (June 2026). Pending approval of these documents an updated VTS Manual will be released.

It was also highlighted that 'Forward' and 'Section 16 IALA' of the Manual require updating to reflect the Organization now being an IGO and these sections will be updated by secretariate for inclusion in the new version of the VTS Manual following Council 04.

9.11 Task VTS 1.9.4 Proceed with the "living document" on "Future VTS", including emerging technologies and Human Element

Task group leaders: Neil Trainor / Els Bogear

Input papers:

- | | |
|----------------|---|
| 8.7.4 | Drones at Low Altitude on Water Surface - Future VTS.docx |
| VTS58-12.5.1.5 | WP - Future VTS Discussion Paper as at VTS58 (1).docx |

Key outcomes include:

The Committee reviewed the input papers from China MSA regarding Drones at Low Altitude (*VTS59-8.7.4 Drones at Low Altitude on Water Surface - Future VTS.docx*) with regards to including this as an emerging trend, technology and practice in the Future VTS Discussion Paper.

It was noted that the rapid development and widespread use of civil unmanned aerial vehicles (referred to as "drones" in this document) at low altitude on water surface is becoming an emerging trend, having a significant impact on VTS. It is anticipated that future VTS will take this trend into consideration and further discussion.

VTS59 updated the Future VTS Discussion Paper based on the input from China MSA on the Intelligent Management Information System.

Output:

The Future VTS Discussion Paper was updated to include a new section on *Drones at Low Altitude on Water Surface* in *WP - Future VTS Discussion Paper as at VTS59 (VTS59-12.5.1.7)*.

Action item:

Action Item VTS59-20 The Secretariat is requested to forward WP Future VTS Discussion Paper (VTS59-12.5.1.7) as a working paper to VTS60 for further development.

9.12 ANY OTHER BUSINESS

Two lunchtime presentations were provided during VTS59:

1. Applications of Drones at Low Altitude on Water Surface Regarding Ship Navigation
2. VTS interaction and Groundings

Applications of Drones at Low Altitude on Water Surface Regarding Ship Navigation

China MSA provided a presentation related to input paper VTS59-8.7.4 - Proposal on Adding Drones at Low Altitude on Water Surface into the Future VTS for inclusion of the topic as an emerging trend, technology and practice in the Future VTS Discussion Paper (VTS59-12.5.1.7 WP Future VTS Discussion Paper)

VTS interaction and groundings

Neil Trainor (IHMA) provided a presentation on the impact of safety and environmental measures in reducing powered groundings in the Great Barrier and Torre Strait since 1984/85, focusing particularly on the effect of interaction from the shore.

The presentation was a detailed update on the e-bulletin article entitled Reef VTS – 21 Years of Safer Navigation through interaction with vessel traffic (December 2025).

General discussion highlighted an interest in the methodology used to present the time series and whether this could be presented to the Committee at VTS60.

For further information on the presentation contact Neil Trainor (neil.trainor@hotmail.com)

Action item:

Action Item VTS59-21 *That the Secretariat include an agenda item for VTS60 for Neil Trainor to present the methodology used in the time series analysis regarding VTS interaction with vessel traffic in reducing groundings.*

10. WORKING GROUP 2 TECHNOLOGY (WG2)

Close to 35 individual participants attended one or more task group meetings formed under Working Group 2 – Technology during VTS59. The working group progressed 3 tasks (although two tasks are being undertaken jointly) assigned under the 2023 - 2027 Work Programme. Tasks included

- Task 2.5.2 Develop technical service description for digital data exchange between VTS and other entities –primarily ships. Comprises 5 sub tasks.
 - 2.5.2a Develop Technical Service Specification for VTS Traffic Clearance
 - 2.5.2b Develop Technical Service Specifications for Route Exchange
 - 2.5.2c Coordination and combined use of VTS S-100 Technical Services (choreography)
 - 2.5.2d Develop Technical Service Specifications for Under Keel Clearance (UKC)
 - 2.5.2e Develop Technical Service Specifications for VTS Information
- Task 2.8.1 Develop a Product Specification S-212 for VTS under the S-100 framework
- Task 2.8.2 Review and update Recommendation R0145 (V-145) on the Inter-VTS Exchange Format (IVEF) Service

10.1 Task 2.5.2 and 2.8.1 (these two tasks are being worked on jointly)

Task group leaders: Task 2.5.2 Juho Pitkanen and Task 2.8.1 Wim Smets

Input papers:

- 7.2.1 LN to PAP and all committees on MRN
- 7.2.2 LN to PAP ARM and VTRS from DTEC re MRN
 - 7.2.1.1 Draft Guidelines
 - 7.2.1.2 Draft G1164 Management of Maritime Resource Name Organisation identifiers
 - 7.2.1.3 Draft Gxxxx Management of the IALA MRN namespace
- 7.2.3 LN from DTEC to VTS ARM and ENG on operational IALA and MCP instance
- 9.1.1 LN to VTS DTEC ARM and ENG on MSAToN
 - 9.1.1.1 Draft Guideline IALA MS2 Maritime Service
 - 9.1.2 Proposals on the Service Specification for Traffic Clearance
 - 9.1.3 Proposals on the Service Specifications for VTS UKC Plus WG1
 - 9.1.4 Report on intersessional
 - 9.1.4.1 Annexe A SERVICE SPECIFICATION FOR VTS UNDER KEEL CLEARANCE SERVICE

9.1.4.2 Annexe B SERVICE SPECIFICATION FOR VTS – INFORMATION SERVICE

9.1.4.3 Annexe C S212 VTS Digital Information Data Model

9.1.5 Findings from the digital Traffic Clearance Service

9.1.6 Proposed approach for the S-212

9.1.7 Data Model for the VTS Reporting Service

Key outcomes include:

The working and input documents were worked on throughout VTS59 with steady progress being made. The outcomes comprise further seven working papers, a proposal to the concept register and technical service specification Under Keel Clearance digital service which is Task 2.5.2.d. Under the GIT hub there is a specific space for Under Keel Clearance service. The task group agreed on the proposal made by KRISO in their input document VTS59-9.1.6 and KRISO will continue the work on S-212 intersessionally and provide this as an input document to VTS60.

An intersessional (in person meeting) is proposed to be held in Oslo from 6th to 8th July 2026 hosted by the Norwegian Coastal Administration on task 2.5.2 and 2.8.1. Anyone interested in joining in person should register with Juho Pitkanen juho.pitkanen@fintraffic.fi by 30th May 2026.

Action items:

Action Item VTS59-22 *The Secretariat is requested to forward (VTS59-12.2.6) for the GI concept register such that it is completed in time for VTS60.*

Action Item VTS59-23 *The Secretariat requested to publish the technical service specification for under keel clearance digital service (task 2.5.2d) (VTS59-12.2.1) under topical matters, technical services on the website.*

Action Item VTS59-24 *The Secretariat is requested to assign IALA document numbers to the new technical service specifications and service designs for the VTS Information and UKC digital service.*

Action Item VTS59-25 *Committee participants are invited to join the intersessional group (in person meeting) working on the development of guidance on tasks 2.5.2 and 2.8.1 and to express their interest to Juho Pitkanen (juho.pitkanen@fintraffic.fi) by 30 May 2026, noting the meeting is proposed to be held in Oslo from 6 to 8 July 2026, hosted by the Norwegian Coastal Administration.*

Action Item VTS59-26 *The Intersessional Group Leader is requested to provide input on the intersessional work on tasks 2.5.2 and 2.8.1 to VTS60.*

Action Item VTS59-27 *The Secretariat is requested to forward WP S-212 Data Model (0305).pptx (VTS59-12.5.2.1), WP S-212 Annexes.zip (VTS59-12.5.2.2), WP Service-Specification-for-route-exchange-ed1.2.docx (VTS59-12.5.2.3), WP Service-Specification-for-VTS-information-service-0.3.docx (VTS59-12.5.2.4), WP Service-Specification-for-VTS-Traffic-Clearance-1.5.X Updates.docx (VTS59-12.5.2.5), WP Service-Specification-for-VTS-Traffic-Clearance-1.6.docx (VTS59-12.5.2.6) and WP VTS59-VTS Digital Information product specification V0.7.3 DRAFT Task 2.8.1.docx (VTS59-12.5.2.7) as working papers to VTS60 for further development.*

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

Task group leaders: Rene Hogendoorn and Takuya Fukuda

Input papers: None

Key outcomes include:

The task group made significant progress throughout VTS59 and five working papers will be sent to VTS60 for further work.

Action item:

Action Item VTS59-28 *The Secretariat is requested to forward WP IHO-C9_2025_11A_EN_LIST_OF_DECISIONS_and_ACTIONS_1.0.pdf (VTS59-12.5.2.8), WP IVEF-MOM-2026-03-02.pptx (VTS59-12.5.2.9), WP S210 Product Specification – 0.2.0 Sep. 2025-2026-03-02.doc (VTS59-12.5.2.10), WP S210 Product Specification – 0.2.0 Sep. 2025-2026-03-03-v4.doc (VTS59-12.5.2.11) and WP S210 Product Specification – 0.2.0 Sep. 2025-2026-03-05.doc (VTS59-12.5.2.12) as working papers to VTS60 for further development.*

10.3 ANY OTHER BUSINESS

The Technology Working Group were also asked to review a number of Liaison Notes and associated documentation. The following input papers were noted:

- VTS59-3.4.1 ITU WP5B Liaison Statement
- VTS59-3.4.2 IALA Report joint IMO -ITU Expert group 6th to 10th Oct 2025
- VTS59-7.2.4 LN from DTEC to ARM, ENG, VTS on update of emergency technology review
- VTS59-7.2.8. Field Trials of VDES ASM Reception
- VTS59-7.2.10 Overview of the RIN Maritime GNSS Interference Report (2026)
- VTS59-7.2.11 Report on the Workshop on Sustainability in AtoN provision
- VTS59-7.2.12 Report on the Workshop on future radionavigation and radiocommunication systems
- VTS59-8.3.1 Result of a Field Trial on VHF Digital Voice Communication to note
- VTS59-8.7.1 Revision of IALA NAVGUIDE 2027 edition
- VTS59-8.7.2 LN from ARM to VTS on the revision of G1185 enhancing safety of OREI
- VTS59-8.7.2.1 Draft G1185 – worked with WG1 on the Radio and Radar and RDF sections

Below lists the input papers that have been responded to through liaison notes:

- VTS59- 7.2.3LN from DTEC to VTS, ARM and ENG on operational IALA MCP instance – response from working group and CMT.
- VTS59- 7.2.1.2 Draft G1164 Management of Maritime Resource Name Organisation Identifiers – post ARM21 (ARM21-11.2.8.2) – response from the group.
- VTS59-7.2.6 Review and update G1178 – An Introduction to Artificial Intelligence from an IALA perspective and 7.2.6.1 draft revised Guideline G.1178. Both documents were reviewed – see Liaison Note VTS59-12.2.3
- VTS59-7.2.9 Progressing on Sustainability Matters within IALA and Advance Notice of New Sustainability. This document was reviewed – see Liaison Note VTS59-12.2.7
- VTS59-7.2.7 LN from DTEC to all Committees on Digitalization of Waterways Guideline and VTS59-7.2.7.1 Draft Guideline on digitalization of waterways. LN Response VTS59-12.2.2

Action items:

Action Item VTS59-29 *The Secretariat is requested to forward Liaison Note on Digitalization of Waterways (VTS59-12.2.2) to DTEC for their consideration.*

Action Item VTS59-30 *The Secretariat is requested to forward Liaison Note on Artificial Intelligence from an IALA perspective (VTS59-12.2.3) to DTEC for their consideration.*

Action Item VTS59-31 *The Secretariat is requested to forward Liaison Note on MRN (VTS59-12.2.5) to ARM for their consideration.*

Action Item VTS59-32 *The Secretariat is requested to forward Liaison Note on MCP (VTS59-12.2.4) to DTEC for their consideration.*

Action Item VTS59-33 *The Secretariat is requested to forward Liaison Note on Sustainability workgroup (VTS59-12.2.7) to ENG for their consideration.*

11. WORKING GROUP VTS TRAINING (WG3)

During VTS59 WG3 participants met in a hybrid meeting environment and progressed the remaining tasks assigned under the 2023 - 2027 Work Programme. The working group produced two output documents to be forwarded to Council for approval and three working papers for the Secretariat to be forwarded to VTS60.

During VTS59 the working group 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 3.9.1 – Consider relevant VTS documents to be revised/updated
- Additional documents review
- Consider tasks for the 2027-20230 Work Programme
- Additional items as identified during the meeting

Intersessional work is planned to further progress on the following tasks:

- Task 3.1.1 – Develop guidance for dealing with stress or trauma in VTS operations
- Task 3.9.1 – Consider relevant VTS documents to be revised/updated

The intersessional meetings are identified in the body of the report. The dates and times of the intersessional meetings will be available on the dashboard and in a table on the file-share under VTS WG3 Intersessional Meetings.

11.1 Task 3.1.1 – Develop guidance for dealing with stress or trauma in VTS operations

Task group leader: Michele Landi

Input papers considered:

- | | | |
|--------|----------|---|
| VTS59- | 10.1.2 | Proposal for Revision on Guidance on Stress and Trauma |
| VTS59- | 10.1.4 | Report of ICG on Task 3.1.1 Guidance for dealing with stress and trauma in VTS operations |
| VTS59- | 10.1.4.1 | New proposal Task 3.1.1 Guidance for dealing with stress and trauma in VTS operations |

- VT559- 10.1.4.2 Proposal of Guiding principles
- VT559- 10.1.4.3 Prior Draft Revision Task 3.1.1 Guidance for dealing with stress and trauma in VTS operations
- VT559- 10.1.4.4 Proposal to amend the task register

Key outcomes include:

The task leader presented the outcome of the intersessional work. WG3 agreed to expand the scope of the document from primarily addressing responses to stressful or traumatic events to a broader guideline on the mental health of VTS operators. The revised working title of the draft guideline was agreed: *Dealing with mental health in VTS operations*.

During the meeting sessions the group approved the proposed amendments to the Task Register in order to align it with the revised content of the guideline. It was agreed that the work on the guideline will now be completed at VT561 instead of VT560.

All other input papers were discussed including the Proposal for Revision on Guidance on Stress and Trauma (VT559-10.1.2). WG3 is grateful of the contribution from China MSA and will continue to use this input in the further development of the guideline.

There will be an intersessional task group meeting on this item from 10:00 – 11:30 UTC on 22 June 2026.

Action item(s):

Action Item VT559-34 *The Secretariat is requested to forward the WP draft guideline on dealing with mental health in VTS operations (VT559-12.5.3.1) as a working paper to VT560 for further development.*

Action Item VT559-35 *Committee participants are invited to join the intersessional task group (Virtual meetings) working on the development of the guidance for dealing with stress and trauma in VTS, to be held on 22 June 2026 from 10:00-11:30 UTC, and advise their intention to participate to Michele Landi (michele.landi@mit.gov.it) by 30 May 2026, noting the dates and time will also be published on the table of intersessional meetings on the file-share, VTS WG3 Intersessional Meetings.*

Action Item VT559-36 *The Intersessional Group Leader to provide input on the intersessional work on task 3.1.1 to VT560.*

11.2 Task 3.4.1 – Guidance on aptitudes for VTS Operators

Task group leader: Yasuko Nakai

Input papers considered:

- VT559- 10.2.1 Report of IG on Task 3.4.1 - aptitudes required by VTS operators
- VT559- 10.2.1.1 Draft Guideline on Aptitudes required by VTS operators
- VT559- 10.2.2 Proposal on Aptitudes Required by VTS Operators

Key outcomes include:

A summary of the intersessional work carried out between VT558 and VT559 was presented. The Working Group revised the draft Guideline, including discussion on how to address the input from China MSA. The WG also agreed to a new title of the guideline “Attributes for VTS Operator Recruitment”.

All remaining elements were addressed, including:

- the associated Standard and Recommendation;
- the wording in the lists of aptitudes and behaviours;
- the use of web-based interviews;
- references and the title; and
- minor edits to improve the overall clarity of the document.

The revised draft Guideline was approved at VTS59 to be forwarded to Council for approval.

Action item:

Action Item VTS59-37 *The Secretariat is requested to forward the draft Guideline on Attributes for VTS Operator Recruitment (VTS59-12.3.1) to Council for approval.*

11.3 Task 3.8.1 – Revision of G1103 on Train the Trainer

Task group leader: Jillian Carson-Jackson

Input papers considered:

VTS59- 10.1.3 Report of IG on Task 3.8.1-Review-G1103

VTS59- 10.1.3.1 Annotated G1103

Key outcomes include:

The WG reconfirmed its decision of VTS57 (VTS57-13.1 Report of VTS Committee, section 10.3) that G1103 can be withdrawn, however the timing for this needs to consider the creation of guidance on the implementation of VTS Model Courses. Following the outcome of VTS58 and discussions at VTS59 it was agreed to include this task in the next work programme of the VTS Committee.

The WWA noted that they find value in G1103 as it exists and it should remain in force until such time as the proposed new task is approved.

The work on task 3.8.1 is now complete, noting G1103 will be withdrawn once the proposed new guidance on the implementation of VTS Model Courses has been published.

11.4 Task 3.8.2 – Develop a Guideline for remote training in VTS

Task group leader: Jillian Carson-Jackson

Input papers considered:

VTS59- 10.1.1 Report of IG on Task 3.8.2-Remote Training in VTS

VTS59- 10.1.1.1 Draft G-RemoteTrainVTS-forVTS59

Key outcomes include:

A summary of the intersessional work carried out between VTS58 and VTS59 was presented. The Working Group carried out a detailed review of the draft Guideline.

All remaining elements were addressed, including:

- the structure of the annex;
- acronyms and definitions;
- minor edits to improve the overall clarity of the document.

The revised draft Guideline was approved at VTS59 to be forwarded to Council for approval.

Action item(s):

Action Item VTS59-38 *The Secretariat is requested to forward the draft Guideline on remote training in VTS (VTS59-12.3.2) to Council for approval.*

11.5 Task 3.9.1 Consider relevant VTS documents to be revised/updated

11.5.1 Revision of G1156 and G1014

Task group leader: Stefaan Priem

Input papers considered:

VTS58- 10.1.10.2 Proposed improvements to G1156

Key outcomes include:

A stepwise approach was agreed for updating G1156 at VTS58.

- Update 1 aligns with the revised C0103-5 and includes a new section on maintaining qualifications, revised definitions and references to IMO Resolution A.1158(32).
- Update 2 will address broader changes, including links to G1014 and is expected to form part of the 2027–2030 work programme.

Update 1 was completed during VTS58 and approved by Council 3 (G1156 Ed. 2.0).

Update 2 was commenced at VTS59 and will continue intersessionally with input to be provided at VTS60.

During VTS59 WG3 discussed the revision of G1014 with the WWA. It was noted that there is a need for monitoring the status of accreditation of training organizations and the role of the Competent Authorities. This was also highlighted during the Workshop on VTS Competent Authorities in Rome (January 2025). It was agreed to host a webinar aimed at Competent Authorities and training organizations to highlight the roles and responsibilities in this matter. The outcomes of this webinar will be included in the revision of G1014.

WG3 initiated the revision of G1014 during VTS59. The revision of G1156 and G1014 will be continued intersessionally. Stefaan Priem will coordinate the overall revision of these two documents.

There will be an intersessional task group meetings (note – all meetings to be held from 1000-1130 UTC):

- G1014 – 21 April 2026 and 12 May 2026
- G1156 – 19 May 2026

Action item(s):

Action Item VTS59-39 *Committee participants are invited to join the intersessional task group working on the revision of G1156 Recruitment, training and certification of VTS personnel and advise their intention to participate to Jillian Carson Jackson (jillian@jcjconsulting.net) by 12th May 2026, noting the meeting is scheduled on 19th May 2026 1000-1130 UTC. Dates and times of the intersessional meetings will be published on the table of intersessional meetings on the file-share, VTS WG3 Intersessional Meetings.*

Action Item VTS59-40 *The Intersessional Group Leader to provide input on the intersessional work on task 3.9.1 on G1156 to VTS60.*

Action Item VTS59-41 *Committee participants are invited to join the intersessional task group working on the revision of G1014 Accreditation of VTS Training Organizations and Approval to Deliver VTS Model Courses to Kerrie Abercrombie (kerrie.abercrombie@amsa.gov.au) by 7 April 2026, noting the first meeting is scheduled on 21 April 2026 1000-1130 UTC. Dates and times of the intersessional meetings will be published on the table of intersessional meetings on the file-share, VTS WG3 Intersessional Meetings.*

Action Item VTS59-42 *The Intersessional Group Leader to provide input on the intersessional work on task 3.9.1 on G1014 to VTS60.*

Action Item VTS59-43 *The World Wide Academy is invited to consider a webinar on the role of Competent Authorities with regards to accreditation of training organizations and approval of VTS model courses.*

Action Item VTS59-44 *The Secretariat is requested to forward the WP G1014 Accreditation of VTS Training Organizations and Approval to Deliver VTS Model Courses (VTS59-12.5.3.2) as working paper to VTS60 for further revision.*

11.6 Any other business

11.6.1 Consider tasks for the 2027-2030 Work Programme

During VTS59 a meeting session was held to identify potential new tasks for the next Work Programme. A Working paper was prepared to be forwarded to VTS60 for further development.

Action item(s):

Action Item VTS59-45 *The Secretariat is requested to forward WP Tasks for the 2027-2030 Work Programme (VTS59-12.5.3.3) as working paper to VTS60 for further development.*

Action Item VTS59-46 *That participants are invited to consider potential new tasks to be developed during the next Work Programme 2027-2030 and to provide input to VTS60.*

11.6.2 Additional Document Review

The WG reviewed and noted the following documents:

VTS59-	7.2.9	Progressing on Sustainability Matters within IALA
VTS59-	7.2.10	Overview of the RIN Maritime GNSS Interference Report (2026)
VTS59-	7.2.11	Report on the Workshop on Sustainability in AtoN provision_
VTS59-	7.2.12	Report on the Workshop on Radionavigation and Radiocommunication

11.6.3 Additional items as identified during the meeting

The WG discussed the use of Artificial Intelligence in VTS Training:

- Use of AI for the assessment and evaluation of VTS trainees, for example:
 - assessment of individual knowledge, skills and abilities related to voice communication (ref. par. 6.2.3 of IALA G1195 – *VTS English Communication Competency Testing*);
 - automated analysis of trainee decisions during simulation exercises and traffic scenarios.
- Understanding AI models embedded in decision-support tools. VTS operators and trainees may need to understand:
 - how AI-generated recommendations are produced;
 - the limitations of probabilistic models;
 - the importance of maintaining human oversight in safety-critical environments such as VTS.
- AI as a tool to support learning and knowledge acquisition. AI-based tools may support individual study and the continuous professional development of VTS personnel, including self-paced learning and knowledge reinforcement.

- Integration of AI into VTS training methodologies, for example through interactive learning systems and AI-supported training environment

This information is included in liaison note from VTS to DTEC on AI (VTS59-12.2.3)

12. ANY OTHER BUSINESS

12.1.1 Rob Townsend and Jillian Carson-Jackson

The Committee recorded its sincere appreciation to Rob Townsend, who was leaving IALA after eighteen years of service as both Chair and Vice-Chair of Working Group 2. His long commitment, depth of technical knowledge and steady leadership had shaped the group's work for nearly two decades. Members repeatedly relied on his calm judgement, practical approach, patience and willingness to support others. The Committee thanked him warmly for his contribution to the development of VTS guidance, his presence, experience and friendship would be greatly missed.

The Committee noted that Jillian Carson-Jackson was stepping down as Chair of Working Group 3 after many years in the role, while remaining an active participant of the Committee. Her leadership had guided the full revision of the training suite and several complex work programme items. She was thanked for her consistent support to members, her clear direction and the considerable effort she invested across multiple sessions and intersessionals. The Committee welcomed her continued involvement and expressed its gratitude for her long-standing dedication.

12.1.2 VTS Questionnaire

The Chair noted that several countries had registered but had not yet submitted their national coordinator details. Members were asked to send the required contact information to Minsu Jeon (mje@iala.int) and that those who had not responded yet should do so.

12.1.3 STEER Project

Jillian Carson-Jackson provided an update on the Nautical Institute's STEER project, launched in February 2026 with the Lloyd's Register Foundation. The project examined the impact of new technologies on seafarers and the interactions between ship, shore and VTS. She noted that a future presentation by the project lead, Captain Anne Pleska, might be arranged for the Committee.

12.1.4 Future Task Items

The Chair invited members to consider any new task items for the next work period (2027–2030) and to submit them to VTS60 as input. VTS60 will be the deadline for the new work programme submissions to be proposed. The Chair also informed that there were only four sessions within the next work period.

12.1.5 Working Group Chairs

The Chair informed the Committee of the following upcoming changes:

- Working Group 2 - Heidi Clevett (MCA) would become Vice-Chair.
- Working Group 3 - Stefaan Priem (Agency for Maritime Services and Coast) would become Chair, with Michele Landi (Italian Coast Guard) as Vice-Chair.

13. SUMMARY OF OUTPUT AND WORKING PAPERS

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

Outputs from VTS59 were approved by the Committee using the approval procedure. The output documents and working papers are listed in Annex D.

14. REVIEW OF SESSION REPORT

The draft report of the meeting (VTS59-13.1) was approved by the Committee at the Closing Plenary.

15. DATE AND VENUE OF NEXT MEETINGS

VTS60 is planned to be held between 21 – 25 September 2026 at the Headquarters, Saint Germain-en-Laye, France.

The Chair informed that VTS61 will not be held at IALA HQ due to the movement of the headquarters, but Council04 will approve when and where VTS61 will be held.

VTS Chair also reminded of the upcoming VTS Seminar in Gijón, Spain, on 2 - 4 June 2026 as well as the Digital@Sea International Conference which is to be held at IALA HQ on 16 – 17 March 2026.

Other events will be publicised on the website.

16. CLOSING OF THE MEETING

The Chair thanked all participants for their engagement and hard work, and expressed the hope that they would return for VTS60. The Secretary-General thanked participants for a productive week and reminded them of the Digital@Sea Conference on 16 – 17 March at HQ.

The Chair invited any final comments from the floor, there were none.

17. 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



59th Meeting of the Vessel Traffic Services Committee (VTS59)

The physical week of the 59th session of the VTS Committee will take place on the 2 – 6 March 2026 at the IALA HQ, Saint Germain-en-Laye, France. Please note that the Opening Plenary will be held virtually on Friday 27 February 2026 starting at 11:00 UTC. The Closing Plenary will be held online on Thursday 12 March 2026 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 VTS58
3. Reports from other bodies
 - 3.1. IALA
 - 3.1.1. Council
 - 3.1.2. 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
5. Presentations
 - 5.1. Digital VTS Traffic Clearance Service Fintraffic
 - 5.2. Field Trials of VDES ASM Reception JCG
 - 5.3. Advanced Decision Support System CMSA
 - 5.4. Document control Secretariat
 - 5.5. World-Wide Academy Update WWA
6. Work programme management
 - 6.1. Work Programme, Task Plan, Task Register
7. Review of input papers
 - 7.1. Input paper lists

- 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. WG1 output
 - 12.2. WG2 output
 - 12.3. WG3 output
 - 12.4. Committee wide
 - 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

First name	Last name	Organisation	Member type	Member Country	Email
Néstor Alberto	Kiferling	Prefectura Naval Argentina	Affiliate	Argentina	nestorkiferling@gmail.com
Alfredo Jesús	Zappa	Prefectura Naval Argentina	Affiliate	Argentina	alfredojesus.zappa@gmail.com
Kerrie	Abercrombie	Australian Maritime Safety Authority	Member State	Australia	kerrie.abercrombie@amsa.gov.au
Cameron	Butchart	Wärtsilä Voyage	Affiliate Industrial	Australia	cameron.butchart@wartsila.com
Cathleen	Young	Wärtsilä Voyage	Affiliate Industrial	Australia	cathleen.young@wartsila.com
Els	Bogaert	els.bogaert@mow.vlaanderen.be	Member State	Belgium	els.bogaert@mow.vlaanderen.be
Sil	Janssens	Agency for Maritime and Coastal Services	Member State	Belgium	sil.janssens@cgi.com
Stefaan	Priem	Agency for Maritime Services and Coast	Member State	Belgium	stefaan.priem@mow.vlaanderen.be
Wim	Smets	Agency for Maritime and Coastal Services	Member State	Belgium	wim.smets@mow.vlaanderen.be
Kevin	Vervoort	Port of Antwerp - Bruges	Affiliate	Belgium	kevin.vervoort@portofantwerpbruges.com
Antonio	Oliveira	-Marinha do Brasil-Diretoria de Hidrografia e Navegação-Centro de Auxílios Navegação Almirante Moraes Rego	Member state	Brazil	acarlosoliv@yahoo.com.br
Alain Serge	Mbene Koah	Port Authority of Kribi	Affiliate	Cameroon	serge.mbene@pak.cm
Dmitry	Rostopshin	ICS Technologies S.R.L.	Affiliate Industrial	Canada	dmitry.rostopshin@dinav.fi
Maria	Wilson	Canadian Coast Guard	Member State	Canada	maria.wilson@dfo-mpo.gc.ca
Guillaume	Godbout	Canadian Coast Guard	Member State	Canada	guillaume.godbout@dfo-mpo.gc.ca
Qiangwei	Deng	China MSA	Member State	China	474587804@qq.com
Chi	Tian	China MSA	Member State	China	3128396@qq.com

First name	Last name	Organisation	Member type	Member Country	Email
E	Xiong	China MSA	Member State	China	307071971@qq.com
Lin Di	Xu	China MSA	Member State	China	mrccxld@163.com
Jingjing	Yin	China MSA	Member State	China	155398550@qq.com
Wing Shun	Suen	Marine Department of the Hong Kong Special Administrative Region	Associate	China	vwssuen@mardep.gov.hk
Zhao	Xianfeng	Ministry of Transport of the People's Republic of China (MOT)	Member State	China	334800368@qq.com
Pedro	Duarte	Compañía Internacional de Integración Ci2 S.A	Affiliate Industrial	Colombia	pedro.duarte@ci2.co
Mikkel	Bro	Defence Command Denmark Naval Staff	Affiliate	Denmark	fko-sv-n374@mil.dk
Christian	Degner	Danish Emergency Management Agency	Member State	Denmark	cde@dma.dk
Dorte	Hansen	Defence Command Denmark Naval Staff	Affiliate	Denmark	3E-SOE-ST103@mil.dk
Michael	Magaard Hansen	Svendborg International Maritime Academy – SIMAC	Affiliate	Denmark	mmh@simac.dk
Michael	Strandberg	Danish Maritime Authority	Member State	Denmark	mst@dma.dk
Are	Piel	Estonian Transport Administration	Member State	Estonia	are.piel@transpordiamet.ee
Jyri	Ehandi	Estonian Transport Administration	Member State	Estonia	jyri.ehandi@transpordiamet.ee
Mika	Halttunen	Fintraffic Vessel Traffic Services Ltd	Affiliate	Finland	mika.halttunen@fintraffic.fi
Esa	Kallio	Fintraffic Vessel Traffic Services Ltd	Affiliate	Finland	esa.kallio@fintraffic.fi
Sirpa	Kannos	Fintraffic Vessel Traffic Services Ltd	Affiliate	Finland	sirpa.kannos@fintraffic.fi
Maiju	Kaski	Fintraffic Vessel Traffic Services Ltd	Affiliate	Finland	maiju.kaski@fintraffic.fi
Ramin	Miraftabi	Fintraffic Vessel Traffic Services Ltd	Affiliate	Finland	ext_amin.miraftabi@fintraffic.fi

First name	Last name	Organisation	Member type	Member Country	Email
Toni	Sobott	Finnish Transport Infrastructure Agency	Member State	Finland	Toni.sobott@ftia.fi
Sari	Talja	Fintraffic Vessel Traffic Services Ltd	Affiliate	Finland	st@fintraffic.fi
Juho	Juho	Fintraffic Vessel Traffic Services Ltd	Affiliate	Finland	juho.pitkanen@fintraffic.fi
Johann	Larue	Airbus Defence and Space	Affiliate Industrial	France	johann.larue@airbus.com
Fabien	Piotrowski	Cerema	Affiliate	France	fabien.piotrowski@cerema.fr
Maya	San Francisco	Direction générale des affaires maritimes, de la pêche et de l'aquaculture – Ministère chargé de la Mer et de la Pêche	Member State	France	maya.san-francisco@mer.gouv.fr
Benjamin	Orcel	Direction générale des affaires maritimes, de la pêche et de l'aquaculture – Ministère chargé de la Mer et de la Pêche	Member State	France	benjamin.orcel@mer.gouv.fr
Dylan	Vloebergh-Lair	Direction générale des affaires maritimes, de la pêche et de l'aquaculture – Ministère chargé de la Mer et de la Pêche	Member State	France	
Pierre	Mingot	Cerema	Affiliate	France	pierre.mingot@cerema.fr
Abas	Saidykhan	Gambia Maritime Administration	Associate	Gambia	saidykhanabas470@gmail.com
Kulay	Manneh	Manneh	Associate	Gambia	kmanneh@gambiaports.gm
Gero	Diezis	In-innovative navigation GmbH	Affiliate Industrial	Germany	gero.diezis@innovative-navigation.de
Jörg	Kuchta	Federal Waterways and Shipping Agency	Member State	Germany	joerg.kuchta@wsv.bund.de
Benjamin	Reitz	German Aerospace Centre	Affiliate	Germany	benjamin.reitz@dlr.de
Erika	Marpaung	Ministry of Transportation Indonesia	Associate	Indonesia	erika_marpaung@kemenhub.go.id
Revo	Rizki Aditiya	Ministry of Transportation Indonesia	Associate	Indonesia	revo_rizki1301@kemenhub.go.id
Suyadi	Suyadi	Ministry of Transportation Indonesia	Associate	Indonesia	suyadi2802@kemenhub.go.id

First name	Last name	Organisation	Member type	Member Country	Email
Didik	Sutrisno	Indonesian Port Corporation/PT Pelindo Indonesia	Observer	Indonesia	didik.sutrisno@pelindo.co.id
Abbas Falih Madhi	Aldwyah	General Company for Ports of Iraq	Associate	Iraq	zainalsafi30@gmail.com
Zain Alabden Adil Abdulmunem	Almusawi	General Company for Ports of Iraq	Associate	Iraq	zainalsafi30@gmail.com
Domenico	Febbo	ELMAN S.r.l.	Affiliate Industrial	Italy	domenico.febbo@elmansrl.com
Pierluigi	Fiori	ELMAN S.r.l.	Affiliate Industrial	Italy	pierluigi.fiori@elmansrl.com
Michele	Fiorini	Leonardo S.p.A.	Affiliate Industrial	Italy	michele.fiorini@leonardo.com
Michele	Landi	Italian Coast Guard	Member State	Italy	michele.landi@mit.gov.it
Barbara	Magro	Italian Coast Guard	Member State	Italy	barbara.magro@mit.gov.it
Gian Luca	Menabene	Italian Coast Guard	Member State	Italy	gianluca.menabene@mit.gov.it
Nazzareno	Romandini	ICS Technologies S.p.A	Affiliate Industrial	Italy	nazzareno.romandini@icstechnologies.it
Roberto	Trevisani	GEM Elettronica s r l	Affiliate Industrial	Italy	roberto.trevisani@gemrad.com
Mayumi	Arita	Japan Coast Guard	Member State	Japan	arita-i9842@mlit.go.jp
Takuya	Fukuda	Tokyo Keiki Inc. Maritime Traffic Systems Dept.	Affiliate Industrial	Japan	ta-fukuda@tokyo-keiki.co.jp
Yasuko	Nakai	TST Corporation	Affiliate Industrial	Japan	ynakai@toyoshingo.co.jp
Saori	Yamanouchi	Japan Coast Guard	Member State	Japan	yamanouchi-z94iu@mlit.go.jp
Jaewan	An	GC Co. Ltd	Affiliate Industrial	Korea, South	jwan@gcsc.co.kr
Deuk Jae	Cho	KRISO – Korea Research Institute of Ships and Ocean Engineering	Affiliate	Korea, South	djcho@kriso.re.kr

First name	Last name	Organisation	Member type	Member Country	Email
Hansu	Choi	GC Co. Ltd	Affiliate Industrial	Korea, South	hschoi@gcsc.co.kr
Seock In	Hong	Korea Coast Guard	Member State	Korea, South	stonmen7@naver.com
Eunchae	Jang	KRISO – Korea Research Institute of Ships and Ocean Engineering	Affiliate	Korea, South	
Taehee	Kim	KRISO – Korea Research Institute of Ships and Ocean Engineering	Affiliate	Korea, South	
Taejin	Kim	Korea Coast Guard	Member State	Korea, South	qkdrktaejin@korea.kr
Sewoong	Oh	KRISO – Korea Research Institute of Ships and Ocean Engineering	Affiliate	Korea, South	osw@kriso.re.kr
Seunghee	Choi	Korea Institute of Maritime and Fisheries Technology	Observer	Korea, South	eng1017@hanmail.net
Youssef	Taoufik	Direction des Ports et du Domaine Public Maritime	Associate	Morocco	ytaoufik@tangerport.com
Abdellatif	Abbassi	Direction des Ports et du Domaine Public Maritime	Associate	Morocco	a.abbassi@transport.gov.ma
Milou	Aerts	Port of Rotterdam Authority	Affiliate	Netherlands	m.aerts@portofrotterdam.com
Maarten	Berrevoets	Ministry of Infrastructure and Water Management	Member State	Netherlands	Maarten.Berrevoets@minienw.nl
Eliane	De Vilder	Ministry of Infrastructure and Water Management	Member State	Netherlands	eliane.de.vilder@minienw.nl
Martijn	Ebben	Port of Rotterdam Authority	Affiliate	Netherlands	m.ebben@portofrotterdam.com
Jan Remi	Hoeve	Ministry of Infrastructure and Water Management	Member State	Netherlands	remi.hoeve@rws.nl
René	Hogendoorn	Tidalis	Affiliate Industrial	Netherlands	rene.hogendoorn@tidalis.com
Hans	Huisman	MARIN	Affiliate	Netherlands	h.huisman@marin.nl
Andreas	Keller	NNVO – Dutch VTS Training Foundation	Affiliate	Netherlands	akeller@nnvo.nl
Hilbert	van Omme	Dutch Pilots Corporation	Affiliate	Netherlands	h.vanomme@loodswezen.nl

First name	Last name	Organisation	Member type	Member Country	Email
Kevin	van Drongelen	Port of Rotterdam Authority	Affiliate	Netherlands	kcj.drongelen@portofrotterdam.com
Richard	Richard	Tidalis	Affiliate Industrial	Netherlands	richard.jonker@tidalis.com
Richard	Aase	Norwegian Coastal Administration	Member State	Norway	richard.aase@kystverket.no
Jeanette	Assev-lindin	Norwegian Coastal Administration	Member State	Norway	jeanette.assev-lindin@kystverket.no
Malin	Dreijer	Norwegian Coastal Administration	Member State	Norway	malin.dreijer@kystverket.no
Peter	Eade	Vissim AS	Affiliate Industrial	Norway	peter.eade@vissim.no
Sinikka	Hartonen	Kongsberg Norcontrol AS	Affiliate Industrial	Norway	sinikka.hartonen@knc.kongsberg.com
Øystein	Jørgensen	Kongsberg Norcontrol AS	Affiliate Industrial	Norway	oystein.jorgensen@knc.kongsberg.com
Trond	Ski	Norwegian Coastal Administration	Member State	Norway	trond.ski@kystverket.no
Mohammed	Al Dossari	Saudi Ports Authority	Member state	Saudi Arabia	M.Aldosari@mawani.gov.sa
Tze Kern	Teo	Maritime and Port Authority	Member State	Singapore	kern090275@gmail.com
Migel	Mehlmauer	Slovenian Maritime Administration	Member State	Slovenia	migel.mehlmauer@gov.si
Raquel	Rojo Díaz	EPE Sociedad de Salvamento y Seguridad Marítima	Affiliate	Spain	raquelrd@centrojoellanos.es
Admir	Salahovic	Indra Sistemas SA	Affiliate Industrial	Spain	admir@indra.es
Caroline	Johansson	Swedish Maritime Administration	Member State	Sweden	caroline.johansson@sjofartsverket.se
Sandra	Stefanovic	Swedish Maritime Administration	Member State	Sweden	sandra.stefanovic@sjofartsverket.se
Monica	Sundklev	Swedish Transport Agency	Member State	Sweden	monica.sundklev@transportstyrelsen.se
Marco	Svantesson	Swedish Maritime Administration	Member State	Sweden	marco.svantesson@sjofartsverket.se

First name	Last name	Organisation	Member type	Member Country	Email
Habibe Irem	Celik	HAVELSAN AS	Affiliate Industrial	Türkiye (republic Of)	hoge@havelsan.com.tr
Mehmet	Erdogan	Directorate General of Coastal Safety	Member State	Türkiye (republic Of)	erdogan.mehmet@kiyiemniyeti.gov.tr
Abdullah	Kizilelma	Directorate General of Coastal Safety	Member State	Türkiye (republic Of)	abdullahkizilelma@hotmail.com
Omer	Yanik	HAVELSAN AS	Affiliate Industrial	Türkiye (republic Of)	oyanik@havelsan.com.tr
Heidi	Clevett	Department for Transport	Member State	United Kingdom	heidi.clevett@mcga.gov.uk
Thomas	Ogg	Department for Transport	Member State	United Kingdom	thomas.ogg@mcga.gov.uk
Keeta	Rowlands	The Maritime and Coastguard Agency	Member State	United Kingdom	keeta.rowlands@mcga.gov.uk
Robert	Townsend	Department for Transport	Member State	United Kingdom	robert.townsend@mcga.gov.uk
Becca	Burghall	Department for Transport	Member State	United Kingdom	rebecca.burghall@mcga.gov.uk
Matthew	Williams	IMPA	Sister Organisations		m.williams@impahq.org
Jillian	Carson-Jackson	Nautical Institute	Sister Organisations		jillian@jcjconsulting.net
Neil	Trainor	International Harbour Masters Association	Sister Organisations		neil.trainor@hotmail.com
Stephane	Munier		Observer	Denmark	

ANNEX C LIST OF INPUT PAPERS

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

Meeting	Paper Number	Input Paper Title	Source	WG
VTS59-	1.2.1	Provisional Agenda	Secretariat	All
VTS59-	1.4.1	Programme of the Week	Secretariat	All
VTS59-	2.1	VTS58 Action Items	Secretariat	All
VTS59-	3.4.1	ITU WP5B Liaison Statement	ITU	WG2 – All to note
VTS59-	3.4.2	IALA Report Joint IMO-ITU Expert group 6th to 10th October 2025	Secretariat	WG2 – All to note
VTS59-	7.0	Input paper committee meeting template	Secretariat	All
VTS59-	7.1.1	Input Paper List	Secretariat	All
VTS59-	7.1.2	Working paper list	Secretariat	All
VTS59-	7.2.1	LN to PAP and all committees on MRN (ARM21-11.2.8)	ARM21	WG2 and 1
VTS59-	7.2.1.1	Draft G1143 Ed3.1 Unique Identifiers For Maritime Resources – post ARM21 (ARM21-11.2.8.1)	ARM21	WG2 and 1
VTS59-	7.2.1.2	Draft G1164 Management of Maritime Resource Name Organisation Identifiers – post ARM21 (ARM21-11.2.8.2)	ARM21	WG2 and 1
VTS59-	7.2.1.3	Draft Gxxx Management of the IALA MRN namespace – post ARM21 (ARM21-11.2.8.3)	ARM21	WG2 and 1
VTS59-	7.2.2	LN from DTEC to PAP, ARM and VTS regarding MRN (DTEC5-15.2.2)	DTEC5	WG2 and 1
VTS59-	7.2.3	LN from DTEC to VTS, ARM and ENG on operational IALA MCP instance	DTEC5	CMT
VTS59-	7.2.4	LN from DTEC to ARM, ENG, VTS on Update of Emerging Technology Review v2.0	DTEC5	WG2 and 1
VTS59-	7.2.5	LN from DTEC to all committees on Draft Discussion Paper Vision Towards Digitalization (DTEC5-15.3.4)	DTEC5	CMT
VTS59-	7.2.6	LN from DTEC to all committees on AI Guideline G1178 v2.0	DTEC5	WG2 lead
VTS59-	7.2.6.1	Revised G1178 An introduction to AI in IALA Domain (DTEC5-15.3.5.1)	DTEC5	WG2 lead
VTS59-	7.2.7	LN from DTEC to all committees on Digitalisation of Waterways Guideline v2.0 (DTEC5-15.3.7)	DTEC5	WG2 and 1

Meeting	Paper Number	Input Paper Title	Source	WG
VT559-	7.2.7.1	Draft Guideline on Digitalization of waterways (DTEC5-15.3.7.1)	DTEC5	WG2 and 1
VT559-	7.2.8	VDES ASM Reception	JCG	WG2
VT559-	7.2.9	Progressing on Sustainability Matters within IALA	ENG Chair	All
VT559-	7.2.10	Overview of the RIN Maritime GNSS Interference Report (2026)	Secretariat	All
VT559-	7.2.11	Report on the Workshop on Sustainability in AtoN provision_	Secretariat	All
VT559-	7.2.12	Report on the Workshop on Radionavigation and Radiocommunication	Secretariat	All
VT559-	8.1.1	Compliance and enforcement framework for participating ships	NCA	WG1
VT559-	8.1.2	Proposal based on the Korean Vessel Traffic Services Act	Korea Coast Guard	WG1
VT559-	8.1.3	Proposal on the draft Guideline on VTS CA	CMSA	WG1
VT559-	8.1.4	IG on task 1.1.4 report	IG on task 1.1.4	WG1
VT559-	8.1.4.1	G1150 Working Copy Feb2026 1	IG on task 1.1.4	WG1
VT559-	8.2.1	Proposal on Digital Route Exchange within VTS Operations	CMSA	WG1 and 2
VT559-	8.2.1.1	ANNEX Draft Guideline on Digital Route Exchange within VTS Operations	CMSA	WG1 and 2
VT559-	8.3.1	Result_of_a_Field_Trial_on_VHF_Digital_Voice_Com	JCG	WG1
VT559-	8.7.1	LN from ARM to all committees on NAVGUIDE 2027 (ARM21-11.1.2)	ARM21	WG1
VT559-	8.7.2	LN from ARM to VTS on the revision of G1185 Enhancing the safety of OREI (ARM21-11.1.4)	ARM21	WG1 and 2
VT559-	8.7.2.1	Draft G1185 Ed2.0 Enhancing the safety around OREI V3 (ARM21-11.1.4.1)	ARM21	WG1 and 2
VT559-	8.7.3	Proposed Improvements to G1141 Operational Procedures for VTS	AMSA	WG1
VT559-	8.7.3.1	Revised G1141 based on VT557-12.5.1.4 WP	AMSA	WG1
VT559-	8.7.4	Drones at Low Altitude on Water Surface - Future VTS	CMSA	WG1
VT559-	8.7.5	Proposal for the work plan - DST	CMSA`	WG1
VT559-	9.1.1	LN to VTS DTEC ARM and ENG on MS AtoN (ARM21-11.2.5)	ARM21	WG2

Meeting	Paper Number	Input Paper Title	Source	WG
VT559-	9.1.1.1	Draft_Guideline_IALA_ms2_maritime_service (ARM21-11.2.5.1)	ARM21	WG2
VT559-	9.1.2	Proposals on the “Service Specification for Traffic Clearance”	CMSA	WG2
VT559-	9.1.3	Proposals on the “Service Specification for VTS UKC”	CMSA	WG2
VT559-	9.1.4	Report on intersessional	IG on task 2.5.2 and 2.8.1	WG2
VT559-	9.1.4.1	ANNEX A - Technical Service Specification for VTS UKC service 0.7	IG on task 2.5.2 and 2.8.1	WG2
VT559-	9.1.4.2	ANNEX B - Service-Specification-for-VTS-information-service-0.2	IG on task 2.5.2 and 2.8.1	WG2
VT559-	9.1.4.3	ANNEX C - S-212 VTS Digital Information Data Model (fin)	IG on task 2.5.2 and 2.8.1	WG2 and 1
VT559-	9.1.5	Findings from the digital Traffic Clearance Service	Fintraffic VTS	WG2
VT559-	10.1.1	Report of IG on Task 3.8.2-Remote Training in VTS	IG on task 3.8.2	WG3
VT559-	10.1.1.1	Draft G-RemoteTrainVTS-forVT559	IG on task 3.8.2	WG3
VT559-	10.1.2	Proposal for Revision on Guidance on Stress and Trauma	IG on task 3.8.7.c	WG3
VT559-	10.1.3	Report of IG on Task 3.8.1-Review-G1103	IG on task 3.8.1	WG3
VT559-	10.1.3.1	Annotated G1103	IG on task 3.8.1	WG3
VT559-	10.1.4	Report of ICG on Task 3.1.1 Guidance for dealing with stress and trauma in VTS operations	IG on task 3.1.1	WG3
VT559-	10.1.4.1	New proposal Task 3.1.1 Guidance for dealing with stress and trauma in VTS operations	IG on task 3.1.1	WG3
VT559-	10.1.4.2	Proposal of Guiding principles	IG on task 3.1.1	WG3
VT559-	10.1.4.3	Prior Draft Revision Task 3.1.1 Guidance for dealing with stress and trauma in VTS operations	IG on task 3.1.1	WG3
VT559-	10.1.4.4	Proposal to amend the task register	IG on task 3.1.1	WG3
VT559-	10.2.1	Report of IG on Task 3.4.1 - aptitudes required by VTS operators	IG on task 3.4.1	WG3
VT559-	10.2.1.1	Draft Guideline on Aptitudes required by VTS operators	IG on task 3.4.1	WG3
VT559-	10.2.2	Proposal on Aptitudes Required by VTS Operators	CMSA	WG3

Working papers from VTS58

Meeting	Agenda Item	Working Paper Title	Source	Action
VTS58-	12.5.1.1	WP draft guideline on Establishing, Planning and Implementing a VTS	WG1	to VTS59
VTS58-	12.5.1.2	WP draft guideline on Establishing a Regulatory Framework for VTS - Responsibilities of a Competent Authority	WG1	to VTS59
VTS58-	12.5.1.3	WP draft Use Cases on VTS Digital Communication	WG1	to VTS59
VTS58-	12.5.1.4	WP revised guideline G1141 on Operational Procedures for Delivering VTS	WG1	to VTS59
VTS58-	12.5.1.5	WP updated Discussion Paper on Future VTS	WG1	to VTS59
VTS58-	12.5.1.6	WP New Guideline on VTS Digital Communication	WG1	to VTS59
VTS58-	12.5.2.1	WP on the Architecture of the Digital Delivery of VTS Information	WG2	to VTS59
VTS58-	12.5.2.2	WP IVEF_DD_working_copy_v0.5	WG2	to VTS59
VTS58-	12.5.2.3	WP IVEF Technical Service Specification_v0.3_20240924	WG2	to VTS59
VTS58-	12.5.2.4	WP 2.5.2.d Technical Service Specification for VTS UKC service 0.5	WG2	to VTS59
VTS58-	12.5.2.5	WP VTS Digital Information product specification V0.7.3 DRAFT Task 2.8.1	WG2	to VTS59
VTS58-	12.5.2.6	WP Draft Service Specification for VTS Information service 0.1	WG2	to VTS59
VTS58-	12.5.3.1	WP draft guideline on dealing with stress and trauma in VTS operations	WG3	to VTS59
VTS58-	12.5.3.2	WP draft guideline on aptitudes required for VTS Operators	WG3	to VTS59
VTS58-	12.5.3.3	WP results of the questionnaire	WG3	to VTS59
VTS58-	12.5.3.4	WP draft guideline on remote training in VTS	WG3	To VTS59

ANNEX D LIST OF OUTPUT DOCUMENTS AND WORKING PAPERS

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
VTS59-	12.1.1	draft Guideline on Establishing a Regulatory Framework for VTS - Responsibilities of a Competent Authority	WG1	To Council
VTS59-	12.1.2	revised G1089 Provision of a VTS	WG1	To Council
VTS59-	12.1.5	draft Guideline on VTS Digital Communications	WG1	To Council
VTS59-	12.1.6	LN from VTS to ARM on NAVGUIDE	WG1	To ARM
VTS59-	12.1.6.1	draft VTS NAVGUIDE section	WG1	To ARM
VTS59-	12.1.7	revised G1185 Enhancing the safety around OREI	WG1	To Council
VTS59-	12.2.1	Service Specification for UKC Digital Service 1.0	WG2	To Secretariat
VTS59-	12.2.2	LN from VTS to DTEC on Digital Waterways	WG2	To DTEC
VTS59-	12.2.3	LN from VTS to DTEC on AI	WG2	To DTEC
VTS59-	12.2.4	LN from VTS to DTEC on MCP	WG2	To DTEC
VTS59-	12.2.5	LN from VTS to DTEC and ARM on MRN	WG2	To DTEC and ARM
VTS59-	12.2.6	Proposal to GI Concept Register for S-212 2026	WG2	To Secretariat
VTS59-	12.2.7	LN from VTS to ENG on Sustainability WG	WG2	To ENG
VTS59-	12.3.1	Draft Guideline on Aptitudes for VTS Operator Recruitment	WG3	To Council
VTS59-	12.3.2	Draft Guideline on Remote Training in VTS	WG3	To Council
VTS59-	12.4.1	LN from VTS to DTEC on Digitalization Vision	CMT	To DTEC

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

Meeting	Agenda Item	Working Paper Title	Source	Action
VTS59-	12.5.1.1	WP Annex Draft Guideline on Digital route exchange within VTS operations	WG1	to VTS60
VTS59-	12.5.1.2	WP on use cases under construction	WG1	to VTS60
VTS59-	12.5.1.3	WP G1150 Establishing, Planning and Implementing a VTS	WG1	to VTS60
VTS59-	12.5.1.4	WP G1141 Operational Procedures	WG1	to VTS60

Meeting	Agenda Item	Working Paper Title	Source	Action
VTSS59-	12.5.1.5	WP G1110 Use of Decision Support Tools for VTS Personnel	WG1	to VTS60
VTSS59-	12.5.1.6	WP G1142 LPS	WG1	to VTS60
VTSS59-	12.5.1.7	WP Future VTS Discussion Paper	WG1	to VTS60
VTSS59-	12.5.2.1	WP (VTSS59) S-212 Data Model (0305).pptx	WG2	to VTS60
VTSS59-	12.5.2.2	WP S-212 Annexes.zip	WG2	to VTS60
VTSS59-	12.5.2.3	WP Service-Specification-for-route-exchange-ed1.2.docx	WG2	to VTS60
VTSS59-	12.5.2.4	WP Service-Specification-for-VTS-information-service-0.3.docx	WG2	to VTS60
VTSS59-	12.5.2.5	WP Service-Specification-for-VTS-Traffic-Clearance-1.5.X Updates.docx	WG2	to VTS60
VTSS59-	12.5.2.6	WP Service-Specification-for-VTS-Traffic-Clearance-1.6.docx	WG2	to VTS60
VTSS59-	12.5.2.7	WP VTSS59-VTS Digital Information product specification V0.7.3 DRAFT Task 2.8.1.docx	WG2	to VTS60
VTSS59-	12.5.2.8	WP IHO-C9_2025_11A_EN_LIST_OF_DECISIONS_and_ACTIONS_1.0.pdf	WG2	to VTS60
VTSS59-	12.5.2.9	WP IVEF-MOM-2026-03-02.pptx	WG2	to VTS60
VTSS59-	12.5.2.10	WP S210 Product Specification – 0.2.0 Sep. 2025-2026-03-02.doc	WG2	to VTS60
VTSS59-	12.5.2.11	WP S210 Product Specification – 0.2.0 Sep. 2025-2026-03-03-v4.doc	WG2	to VTS60
VTSS59-	12.5.2.12	WP S210 Product Specification – 0.2.0 Sep. 2025-2026-03-05.doc	WG2	to VTS60
VTSS59-	12.5.3.1	WP draft guideline on dealing with mental health in VTS operations	WG3	to VTS60
VTSS59-	12.5.3.2	WP G1014 Accreditation of VTS Training Organizations and Approval to Deliver VTS Model Courses	WG3	to VTS60
VTSS59-	12.5.3.3	WP Tasks for the 2027-2030 Work Programme	WG3	to VTS60

ANNEX E ACTION ITEMS

- Action Item VTS59-1** The Secretariat is requested to forward LN from VTS to DTEC on Digitalization Vision (VTS59-12.4.1) to DTEC for consideration. 11
- Action Item VTS59-2** That the Committee Management Team mark Task 1.1.2 as complete in the Committee Task Plan. 13
- Action Item VTS59-1** The Secretariat is requested to forward revised Guideline G1089 Provision of a VTS (VTS59-12.1.2) to Council for approval. 14
- Action Item VTS59-2** That the Secretariat is requested to consider an editorial update to R1019 to clarify ‘who’ should take into consideration the actual Recommendation in their ongoing review. 14
- Action Item VTS59-3** Committee participants are invited to join the intersessional group (Virtual meetings) working on Develop guidance on delineating the VTS area (review of G1150) and to express their interest to Neil Trainor (neil.trainor@hotmail.com) by 15 May 2026, noting the dates and times of the intersessional meetings will be published on the VTS Committee Dashboard. 15
- Action Item VTS59-4** The Intersessional Group Leader to provide input on the intersessional work on task 1.1.4 to VTS60. 15
- Action Item VTS59-5** The Secretariat is requested to forward the draft Guideline on Establishing a Regulatory Framework for VTS – Responsibilities of a Competent Authority (VTS59-12.1.1) to Council for approval. 15
- Action Item VTS59-6** The Committee Management Team is requested to amend Task 1.2.1 of the Work Programme with the reviewed text “Task 1.2.1 Develop guidance on how to use digital communication services within the VTS operations” 16
- Action Item VTS59-7** The Secretariat is requested to forward the WP Annex Draft Guideline on Digital route exchange within VTS operations (VTS59-12.5.1.1) as a working paper to VTS60 for further development. 16
- Action Item VTS59-8** The Secretariat is requested to forward draft Guideline on VTS digital communications to Council (VTS59-12.1.1) for approval..... 17
- Action Item VTS59-9** The Secretariat is requested to forward the WP on use cases under construction (VTS59-12.5.1.2) to VTS60 for further development. 17
- Action Item VTS59-10** Committee participants are invited to join the intersessional group (Virtual meetings) working on the development of use cases for VTS digital communications and to express their interest to Remi Hoeve (remi.hoeve@rws.nl) by 15 May 2026, noting the dates and times of the intersessional meetings will be published on the VTS Committee Dashboard..... 17
- Action Item VTS59-11** The Intersessional Group Leader to provide input on the intersessional work on task 1.3.1 to VTS60. 17
- Action Item VTS59-12** That participants provide input to Task 1.3.1 on operational use cases for digital VTS services to VTS60. 18
- Action Item VTS59-13** That Task Group Leaders schedule a joint session of TG 1.3.1 and TG 2.5.2/2.8.1 at VTS60 on the Monday 16.00 CEST. 18
- Action Item VTS59-14** The Secretariat is requested to forward the Liaison Note and attachment on suggested amendments to the NAVGUIDE (VTS59-12.1.6 and 12.1.6.1) to ARM for their consideration. 18
- Action Item VTS59-15** The Secretariat is requested to forward the revised Guideline G1185 Enhancing the safety around OREI (VTS59-12.1.7) to Council for approval. 18

- Action Item VTS59-16** The Secretariat is requested to consider updating Guideline G1070 VTS Role in Managing Restricted or Limited Access Areas to refer to VTS providers as opposed to VTS Authorities. 19
- Action Item VTS59-17** The Secretariat is requested to forward WP G1150 Establishing, Planning and Implementing a VTS (VTS59-12.5.1.3), WP G1141 Operational Procedures (VTS59-12.5.1.4), WP G1110 Use of Decision Support Tools for VTS Personnel (VTS59-12.5.1.5) and WP G1142 LPS (VTS59-12.5.1.6) as working papers to VTS60 for further development. 19
- Action Item VTS59-18** The Secretariat is requested to forward WPs VTS56 8.7.1 VTS56-Proposal for the revision of guidelines related natural disaster, VTS59-8.7.3 Proposed Improvements to G1141 Operational Procedures for VTS.docx and VTS59-8.7.3.1 Revised G1141 based on VTS57-12.5.1.4 WP.docx as working papers to VTS60 for further consideration in progressing the review of G1141..... 19
- Action Item VTS59-19** Working Group 1 is requested to consider the WPs above in reviewing G1141 as part of Task VTS 1.9.1 on Consider relevant VTS documents to be revised/updated at VTS60. 19
- Action Item VTS59-20** The Secretariat is requested to forward WP Future VTS Discussion Paper (VTS59-12.5.1.7) as a working paper to VTS60 for further development. 20
- Action Item VTS59-21** That the Secretariat include an agenda item for VTS60 for Neil Trainor to present the methodology used in the time series analysis regarding VTS interaction with vessel traffic in reducing groundings. 21
- Action Item VTS59-22** The Secretariat is requested to forward (VTS59-12.2.6) for the GI concept register such that it is completed in time for VTS60. 22
- Action Item VTS59-23** The Secretariat requested to publish the technical service specification for under keel clearance digital service (task 2.5.2d) (VTS59-12.2.1) under topical matters, technical services on the website. 22
- Action Item VTS59-24** The Secretariat is requested to assign IALA document numbers to the new technical service specifications and service designs for the VTS Information and UKC digital service. 22
- Action Item VTS59-25** Committee participants are invited to join the intersessional group (in person meeting) working on the development of guidance on tasks 2.5.2 and 2.8.1 and to express their interest to Juho Pitkanen (juho.pitkanen@fintraffic.fi) by 30 May 2026, noting the meeting is proposed to be held in Oslo from 6 to 8 July 2026, hosted by the Norwegian Coastal Administration. 22
- Action Item VTS59-26** The Intersessional Group Leader is requested to provide input on the intersessional work on tasks 2.5.2 and 2.8.1 to VTS60. 22
- Action Item VTS59-27** The Secretariat is requested to forward WP S-212 Data Model (0305).pptx (VTS59-12.5.2.1), WP S-212 Annexes.zip (VTS59-12.5.2.2), WP Service-Specification-for-route-exchange-ed1.2.docx (VTS59-12.5.2.3), WP Service-Specification-for-VTS-information-service-0.3.docx (VTS59-12.5.2.4), WP Service-Specification-for-VTS-Traffic-Clearance-1.5.X Updates.docx (VTS59-12.5.2.5), WP Service-Specification-for-VTS-Traffic-Clearance-1.6.docx (VTS59-12.5.2.6) and WP VTS59-VTS Digital Information product specification V0.7.3 DRAFT Task 2.8.1.docx (VTS59-12.5.2.7) as working papers to VTS60 for further development. 22
- Action Item VTS59-28** The Secretariat is requested to forward WP IHO-C9_2025_11A_EN_LIST_OF_DECISIONS_and_ACTIONS_1.0.pdf (VTS59-12.5.2.8), WP IVEF-MOM-2026-03-02.pptx (VTS59-12.5.2.9), WP S210 Product Specification – 0.2.0 Sep. 2025-2026-03-02.doc (VTS59-12.5.2.10), WP S210 Product Specification – 0.2.0 Sep. 2025-2026-03-03-v4.doc (VTS59-12.5.2.11) and WP S210 Product Specification – 0.2.0 Sep. 2025-2026-03-05.doc (VTS59-12.5.2.12) as working papers to VTS60 for further development. 23

Action Item VTS59-29	The Secretariat is requested to forward Liaison Note on Digitalization of Waterways (VTS59-12.2.2) to DTEC for their consideration.	23
Action Item VTS59-30	The Secretariat is requested to forward Liaison Note on Artificial Intelligence from an IALA perspective (VTS59-12.2.3) to DTEC for their consideration.	24
Action Item VTS59-31	The Secretariat is requested to forward Liaison Note on MRN (VTS59-12.2.5) to ARM for their consideration.....	24
Action Item VTS59-32	The Secretariat is requested to forward Liaison Note on MCP (VTS59-12.2.4) to DTEC for their consideration.	24
Action Item VTS59-33	The Secretariat is requested to forward Liaison Note on Sustainability workgroup (VTS59-12.2.7) to ENG for their consideration.	24
Action Item VTS59-34	The Secretariat is requested to forward the WP draft guideline on dealing with mental health in VTS operations (VTS59-12.5.3.1) as a working paper to VTS60 for further development.	25
Action Item VTS59-35	Committee participants are invited to join the intersessional task group (Virtual meetings) working on the development of the guidance for dealing with stress and trauma in VTS, to be held on 22 June 2026 from 10:00-11:30 UTC, and advise their intention to participate to Michele Landi (michele.landi@mit.gov.it) by 30 May 2026, noting the dates and time will also be published on the table of intersessional meetings on the file-share, VTS WG3 Intersessional Meetings.....	25
Action Item VTS59-36	The Intersessional Group Leader to provide input on the intersessional work on task 3.1.1 to VTS60.	25
Action Item VTS59-37	The Secretariat is requested to forward the draft Guideline on Attributes for VTS Operator Recruitment (VTS59-12.3.1) to Council for approval.....	26
Action Item VTS59-38	The Secretariat is requested to forward the draft Guideline on remote training in VTS (VTS59-12.3.2) to Council for approval.	27
Action Item VTS59-39	Committee participants are invited to join the intersessional task group working on the revision of G1156 Recruitment, training and certification of VTS personnel and advise their intention to participate to Jillian Carson Jackson (jillian@jcjconsulting.net) by 12th May 2026, noting the meeting is scheduled on 19 th May 2026 1000-1130 UTC. Dates and times of the intersessional meetings will be published on the table of intersessional meetings on the file-share, VTS WG3 Intersessional Meetings.	27
Action Item VTS59-40	The Intersessional Group Leader to provide input on the intersessional work on task 3.9.1 on G1156 to VTS60.	27
Action Item VTS59-41	Committee participants are invited to join the intersessional task group working on the revision of G1014 Accreditation of VTS Training Organizations and Approval to Deliver VTS Model Courses to Kerrie Abercrombie (kerrie.abercrombie@amsa.gov.au) by 7 April 2026, noting the first meeting is scheduled on 21 April 2026 1000-1130 UTC. Dates and times of the intersessional meetings will be published on the table of intersessional meetings on the file-share, VTS WG3 Intersessional Meetings.	27
Action Item VTS59-42	The Intersessional Group Leader to provide input on the intersessional work on task 3.9.1 on G1014 to VTS60.	28
Action Item VTS59-43	The World Wide Academy is invited to consider a webinar on the role of Competent Authorities with regards to accreditation of training organizations and approval of VTS model courses.	28

Action Item VTS59-44 The Secretariat is requested to forward the WP G1014 Accreditation of VTS Training Organizations and Approval to Deliver VTS Model Courses (VTS59-12.5.3.2) as working paper to VTS60 for further revision. 28

Action Item VTS59-45 The Secretariat is requested to forward WP Tasks for the 2027-2030 Work Programme (VTS59-12.5.3.3) as working paper to VTS60 for further development..... 28

Action Item VTS59-46 That participants are invited to consider potential new tasks to be developed during the next Work Programme 2027-2030 and to provide input to VTS60..... 28

ANNEX F WORKING GROUP PARTICIPANTS LIST

First Name	Second Name	Organisation	WG	Tasks	Physical or Remote
Maria	Wilson	Canadian Coast Guard	Working Group 1	1.2.1 1.3.1	Physically
Mehmet	Erdogan	Directorate General of Coastal Safety	Working Group 1	1.1.4 - 1.9.4 - 1.3.1 - 1.9.1	Physically
Hans	Huisman	MARIN	Working Group 1	1.2.1 and 1.3.1	Physically
Jingjing	Yin	China MSA	Working Group 1	1.1.2 1.1.5 1.9.4 1.2.1	Physically
Kevin	van Drongelen	Port of Rotterdam Authority	Working Group 1	MASS	Physically
Milou	Aerts	Port of Rotterdam	Working Group 1	1.2.1 1.3.1	Physically
Remi	Hoeve	Ministry off infrastructure	Working Group 1	Tg 1.2.1 and 1.3.1	Physically
Hilbert	Van Omme	Dutch pilot cooperation	Working Group 1	1.1.3	Physically
Joerg	Kuchta	GDWS	Working Group 1	1.1.3.a	Physically
Mikkel	Bro	Royal Danish Navy Command	Working Group 1	1.2.1 and 1.3.1	Physically
Maarten	Berrevoets	Ministry of Infrastructure and Water Management	Working Group 1	1.1.3a, 1.1.5 and 1.8.5	Physically
Jüri	Ehandi	Estonian Transport Administration	Working Group 1	1.2.1 and 1.3.1	Physically
Benjamin	Orcel	DGAMPA (FR)	Working Group 1	1.3.1	Physically
Chi	Tian	China MSA	Working Group 1	1.2.1 1.9.4	Physically
Xianfeng	Zhao	China MSA	Working Group 1	1.9.4	Physically
JAEWAN	An	GC Co. Ltd, South Korea	Working Group 1	1.2.1 1.3.1	Physically
Barbara	Magro	Italian Coast Guard	Working Group 1	1.1.1 and 1.1.3	Physically
Eliane	De Vilder	Ministerie Infrastructuur en Waterstaat	Working Group 1	1.1.4	Physically
Abas	Saidykhan	Gambia Maritime Administration	Working Group 1	1.1.2	Physically
Kulay	Manneh	Gambia Ports Authority	Working Group 1	1.1.2	Physically
Veronica Malen	Garcia	Prefectura Naval Argentina	Working Group 1	vts	Remotely (online)
Mayumi	Arita	Japan Coast Guard	Working Group 1	1.1.3	Physically
Gian Luca	Menabene	Italian Coast Guard	Working Group 1	1.1.3; 1.1.4	Physically
Joerg	Kuchta	GDWS	Working Group 1	1.1.3.a 2.1.3	Physically
Youssef	Taoufik	Direction des ports et du Domaine Public	Working Group 1		Physically
Toni	Sobott	Fiinnish Transport Infrastructure Agency	Working Group 1	1.1.3	Physically
Jeanette	Assev lindin	Norwegian Coastal Administration	Working Group 1	1.1.2 1.1.5	Physically
Peter	Eade	Vissim AS	Working Group 1	G1088	Physically
Heidi	Clevett	Maritime and Coastguard Agency	Working Group 1	1.8.5, 1.1.2, 1.1.4, 1.1.5	Physically
Migel	Mehlmauer	Slovenian Maritime Administration	Working Group 1; Working Group 2	2.8.1	Physically

First Name	Second Name	Organisation	WG	Tasks	Physical or Remote
Wing Shun	Suen	Marine Department of the Hong Kong Special Administrative Region	Working Group 1; Working Group 2	1.3.1 1.9.4	Physically
Els	Bogaert	Shipping and Assistance Division	Working Group 1	Vice chair	Physically
Cameron	Butchart	Wartsila Ports	Working Group 1	1.2.1 1.3.1	Physically
Hansu	Choi	GC Co. Ltd South Korea	Working Group 1	1.2.1 1.3.1	Physically
Gero	Diezis	IN Innovative Navigation	Working Group 1	1.2.1 1.3.1	Physically
Malin	Dreijer	Norwegian Coastal Administration	Working Group 1	1.2.1 1.3.1	Physically
Christian	Degener	Danish Emergency Management Agency	Working Group 1	1.1.2 1.1.5	Physically
Dorte	Hansen	Defence Command Denmark Naval Staff	Working Group 1	1.1.3	Physically
Oystein	Jorgensen	Kongsberg	Working Group 1	1.2.1 1.3.1	Physically
Richard	Jonker	Tidalis	Working Group 1	1.2.1 1.3.1	Physically
Maiju	Kaski	Fintraffic	Working Group 1	1.2.2 1.3.1	Physically
Esa	Kallio	Fintraffic	Working Group 1	1.2.1 1.3.1	Physically
Neil	Trainor	IHMA	Working Group 1	Chair WG1	Physically
Wei	Liu	China MSA	Working Group 1	1.8.5	Remotely online
Yuanming	Hu	China MSA	Working Group 1	1.3.1	Remotely online
Xiong	E	China MSA	Working Group 2	2.5.2	Physically
Cameron	Butchart	Wartsila	Working Group 2		Physically
Martijn	Ebben	Port of Rotterdam Authority	Working Group 2		Physically
XU	Lindi	China MSA	Working Group 2	2.5.2	Physically
SEOCK IN	HONG	Korea Coast Guard	Working Group 2		Physically
Sinikka	Hartonen	Kongsberg Norcontrol	Working Group 2	2.5.2 & 2.8.1.	Physically
Dmitry	Rostopshin	ICS Technologies S.R.L	Working Group 2		Physically
DEUKJAE	CHO	Korea Research Institute of Ships and Ocean Engineering	Working Group 2	2.5.2	Physically
Rene	Hogendoorn	Tidalis	Working Group 2	2.8.2	Physically
CHOI	HANSU	GC	Working Group 2	2.5.2	Physically
Johann	Larue	AIRBUS	Working Group 2	IVEF	Physically
Admir	Salahovic	Inndra	Working Group 2	2.8.2	Physically
Benjamin	Reitz	German Aerospace Center	Working Group 2	2.5.2 & 2.8.1	Physically
Keeta	Rowlands	Maritime & Coastguard Agency UK	Working Group 2; Working Group 3	VTS59 Task 1.1.2	Physically
Stefaan	Priem	Agency for Maritime Services and Coast	Working Group 3	All	Physically
Kevin	Vervoort	Port of Antwerp-Bruges	Working Group 3	3.1.1	Physically
Abdullah	KIZILELMA	Directorate General of Coastal Safety	Working Group 3	All tasks	Physically
Becca	Burghall	UK HM Coastguard	Working Group 3		Remotely (online)
Yasuko	Nakai	TST Corporation	Working Group 3	Task 3.4.1	Physically
Sari	Talja	Fintraffic Vessel Traffic Services	Working Group 3		Physically

First Name	Second Name	Organisation	WG	Tasks	Physical or Remote
Saori	Yamanouchi	Japan Coast Guard	Working Group 3		Physically
Abdullah	Kızılelma	Directorate General of Coastal Safety / Türkiye	Working Group 3	All WG3 tasks	Physically
Michele	Landi	Italian coast guard	Working Group 3	All	Physically
Sandra	Stefanovic	Swedish maritime administration	Working Group 3		Physically
Michael	Hansen	SIMAC	Working Group 3	All	Physically
Andreas	Keller	NNVO	Working Group 3		Physically
Jillian	Carson-Jackson	The Nautical Institute	Working Group 3		Physically
Raquel	ROJO DIAZ	Spanish maritime safety agency	Working Group 3		Physically
Revo Rizki	Aditiya	Directorate General Sea Transportation Indonesia	Working Group 3		Physically
Seunghee	Choi	Korea Institute of Maritime and Fisheries Technology	Working Group 3		Remotely (online)



International Organization for Marine Aids to Navigation
10, rue des Gaudines – 78100 Saint Germain en Laye, France
Tel. +33 (0) 1 34 51 70 01 – – contact@iala.int
www.iala.int