

IALA COUNCIL
76th session



12-16 December 2022
Rio de Janeiro
Brazil

10 – TECHNICAL ACTIVITIES

10.5 – VTS

10.5.1 – VTS 53 summary report

Note by the Secretariat

1. INTRODUCTION

The 53rd meeting of the VTS Committee was held from 16 – 28 September 2022 with Monica Sundklev as Chair and Dirk Eckhoff as Vice-Chair. The Secretary for the meeting was Thomas Southall.

The opening plenary was held virtually on Friday 16 September and continued physically between 19-23 September. 119 participants from 29 countries, three Sister organisations participated in VTS53. 32 participants attended for the first time. A breakdown of the participants is shown in the graph below.

The overall status of the committee has been annexed to this document.

2. OUTPUTS

Two draft recommendations have been finalised for the Council approval.

- C76-10.5.2 (VTS53-12.2.4) Revised R0125 Ed 4.0 VTS portrayal
- C76-10.5.3 (VTS53-12.3.1) Revised R0128 Ed 5.0 VTS systems and equipment

Thirteen draft Guidelines have been finalised for the Council approval.

- C76-10.5.4 (VTS53-12.3.2) Revised G1130 Ed 2.0 Technical aspects of information exchange between VTS and allied or other services
- C76-10.5.5 (VTS53-12.3.4) Revised G1111 Ed 2.0 Establishing functional and performance requirements for VTS systems and equipment
- C76-10.5.6 (VTS53-12.3.5) New draft G1111-1 Ed 1.0 Producing requirements for the core VTS system
- C76-10.5.7 (VTS53-12.3.6) New draft G1111-2 Ed 1.0 Producing requirements for voice communication
- C76-10.5.8 (VTS53-12.3.7) New draft G1111-3 Ed 1.0 Producing requirements for radar
- C76-10.5.9 (VTS53-12.3.8) New draft G1111-4 Ed 1.0 Producing requirements for AIS
- C76-10.5.10 (VTS53-12.3.9) New draft G1111-5 Ed 1.0 Producing requirements for environment monitoring sensors
- C76-10.5.11 (VTS53-12.3.10) New draft G1111-6 Ed 1.0 Producing requirements for electro-optical systems



- C76-10.5.12 (VTS53-12.3.11) New draft G1111-7 Ed 1.0 Producing requirements for radio detection finders
- C76-10.5.13 (VTS53-12.3.12) New draft G1111-8 Ed 1.0 Producing requirements for long range sensors
- C76-10.5.14 (VTS53-12.3.13) New draft G1111-9 Ed 1.0 Framework for acceptance of VTS systems
- C76-10.5.15 (VTS53-12.2.2) New draft guideline on How to promote safety culture in VTS
- C76-10.5.16 (VTS53-12.2.3) New draft guideline on Portrayal of VTS information

Two draft Model courses have been finalised for the Council approval.

- C76-10.5.17 (VTS53-12.4.1) Revised C0103-1 Ed 3.0 VTSO
- C76-10.5.18 (VTS53-12.4.2) Revised C0103-3 Ed 3.0 On-the-Job Training

Two input papers have been finalised for the Council to note.

- C76-10.5.19 (VTS53-12.2.5) Input on implication of MASS from a VTS perspective
- C76-10.5.20 (VTS53-12.2.7) Input on future VTS

3. IALA PAPER SUBMISSION TO OTHER ORGANISATIONS

The following liaison note was prepared for the Council approval:

- C76-12.2.1 (VTS53-12.1.3) Liaison to IMO NCSR on amendments to IMSAS Manual relating to VTS

4. WITHDRAWAL OF DOCUMENTS

The Council 65 session approved G1166 on VTS in inland waters that cover the contents of R0120, and the committee requested to approve the withdrawal of R0120, Ed2.1, Vessel Traffic Services in inland waters.

With envisioned approval of the document, C76-10.5.2 (VTS53-12.2.4) Revised R0125 Ed 4.0 VTS portrayal, the committee requested to withdraw R1014, Ed1.1, Portrayal of VTS Information and Data.

The following documents were requested to withdraw by the Committee:

- R0120, Ed2.1, Vessel Traffic Services in inland waters
- R1014, Ed1.1, Portrayal of VTS Information and Data

5. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document, and **APPROVE** the withdrawal proposal of R0120 and R1014.


Annex - Overall status of the VTS Committee 2018-2023 Work Programme after VTS53:

Task		Start Session	Planned End Session	Revised End Session	Progress Indicator			Status Overview
					Green	Yellow	Red	
WG#1 – Operations								
1.1.1	Revision of IMO Resolution A.857(20) Guidelines on Vessel Traffic Services	45	47					Completed at VTS47 and submitted to NCSR7. IMO Assembly adopted Res. A.1158(32) on 15 Dec.2021.
	1.1.1.1 Update Guideline 1089 to be in line with Revised IMO Resolution on Vessel Traffic Services post adoption.	47	49					Approved at Council 72, pending adoption of new IMO Resolution.
	1.1.1.2 Update documents that require changes to incorporate the new terminology post adoption of the revised IMO Resolution on Vessel Traffic Services.	47	51	53				Approved at Council 74. Completed at VTS53
	1.1.1.3 Review and update Rec V-120 to be a GL on VTS in Inland Waters (under R0119)	50	51					Approved at Council 74. Rec. V-120 to Council 76 for withdrawal.
	Consider relevant VTS documents to be revised/updated next WP	52	53					Completed at VTS53. Inserted in next WP.
1.1.2	I. Review and update V-119 on the Implementation of Vessel Traffic Services (R0119) (Output to be a revised Recommendation and associated Guideline 1050 on the Establishment of VTS)	47	50	49				Approval of R0119 and G1150 at Council 72.
	II. Review and update Recommendation R0119 Establishment of a VTS and Guideline G1150 Establishing Planning and implementing a VTS	52	52					G1150 approved at Council 75.
1.1.3	Develop a guideline on Competencies for Planning and Implementing	47	50					Approved at Council 73.
1.1.4	Develop a Guideline on the Provision of Local Port Services (LPS) other than VTS	45						Completed at VTS45.
1.2.1	Review and update V-127 on Operational Procedures for Vessel Traffic Services (Output to be a revised Recommendation and associated Guideline)	45	50					R0127 approval at C68. G1141 approved at Council 73.
1.2.2	Update a Guideline 1110 on Decision Support Tools for VTS Personnel (take into account emerging concepts and technologies)	49	50	51				Approved at Council 74.
1.2.3	Develop a Guideline for Promulgating the Requirements of a VTS to Mariners – A VTS Users Guide Template	45	46					Completed at VTS46.



Task		Start Session	Planned End Session	Revised End Session	Progress Indicator			Status Overview
					Green	Yellow	Red	
1.2.4	Provide VTS input to ARM (lead Committee) for the development of a Guideline on Maritime Services in the context of e-Navigation relating to VTS (merged with task 1.2.7)	45	51	53				Completed at VTS53. Liaison to ARM & PAP It is expected that a subsequent submission will for to Council for approval and then submit to IMO/NCSR10.
1.2.5	Develop a Guideline on the implications of maritime autonomous surface ships (MASS) from a VTS perspective including scoping exercise on IALA Standards	50	51	>53				Continue next WP.
1.2.6	Develop a Guideline on how to promote a safety culture in VTS	50	>53					To Council 76 for approval.
1.2.7	Develop Guideline on the development and implementation of VTS related MS's other than MS 1, 2 and 3	46	48					Council 70 approved to merge with task 1.2.4. and delete task 1.2.7.
1.2.8	Develop a IALA Reference List on IALA Documentation Relating to VTS	45	49					Task discontinued. (Covered by the Secretariat)
1.2.9	Revise R0125 and split into a Rec + GL. Relevant parts of R1014 to be incorporated into R0125 on VTS Portrayal and GL on Portrayal of VTS Information.			>53				Rec R0125 and new GLXXXX to C76 for approval. R1014 to C76 for withdrawal.
1.3.1	Update Guideline G1132 on VTS Voice Communication, including VTS standard Phrases/Phraseology	45	48	50				Approved at Council 73.
1.3.2	Develop guidance on VTS Digital communications (operational aspects)	51	51	>53				Continue next WP.
1.3.3	Revision of IMO Resolution A.918(22) IMO Standard Marine Communication Phrases	52	>53					Continue next WP.
1.3.4	Revision of IMO Resolution A.954(23) Proper use of VHF channels at sea	52	53					Council 76 to note task deletion.
1.4.1	Continuous update of VTS Manual	46	>53					Ongoing task. Continue next WP.
1.4.2	Conduct of the Global VTS Questionnaire	45	46	>53				On hold, pending data base management. Continue next WP.



Task		Start Session	Planned End Session	Revised End Session	Progress Indicator			Status Overview
					Green	Yellow	Red	
1.4.3	Prepare a “living document” on “Future VTS”, including emerging technologies and human element	50	>53					Ongoing task. Continue next WP.
1.4.4	Produce a Guideline on preparing for Zero Accident Campaign							No IMO response. Task discontinued.
WG#2 – Technology								
2.1.1	Develop Guideline on the portrayal of VTS information and data (both operational and technical aspects).	45	48	53				Council 76 to note task deletion (see also task 1.2.9).
2.1.2	Develop a Recommendation and Guideline on Cyber-Security in AtoN operations (lead by ARM, all Committees via Workshop)			>53				Commence next WP
2.2.1	Review and update Recommendation V-128 on VTS Systems and Equipment	52	52	53				To Council 76 for approval, also to note new title.
2.2.2	Review and update Guideline 1111 on Functional Performance Requirements for VTS Systems and Equipment	45	48	53				To Council 76 for approval, also to note new title.
	2.2.2 a – j Develop 9 Sub-GL under G1111	45	52	53				To Council 76 for approval.
2.2.3	Develop a Guideline on Acceptance of VTS systems	45	46	51				One specific GL under G1111. Merged with task 2.2.2
2.7.1	Update G1130 (Technical aspects of information exchange between VTS and allied or other services) to include cyber-security considerations	53	53					To Council 76 for approval.
2.3.1	Develop a Product Specification under the S-100 framework for VTS	45	47	>53				Continue next WP.
2.3.2	Review and update Recommendation V-145 on the Inter-VTS Exchange Format (IVEF) Service (Output to be a revised Recommendation and associated Guideline, including a technical service and/or product specification S-210))	50	51	>53				Continue next WP.
2.5.1	Develop technical service specifications for digital data exchange between VTS and other entities - primarily ships	53	>53					To Council to note new task. Continue next WP.
WG#3 – Training								
3.1.1	Develop a Guideline on human factors and ergonomics in VTS	46	49	52				Approved at Council 75.
3.2.1	Develop a Guideline on the management of a VTS	45	49	51				Approved at Council 74.
3.2.2	Review, update and reformat Guideline 1045 on Staffing Level at VTS centres	45	45					Approved at Council 68.



Task		Start Session	Planned End Session	Revised End Session	Progress Indicator			Status Overview
					Green	Yellow	Red	
3.3.1	a. Review and split R0103 (V-103) to a Recommendation and Guideline	45	48	49				Both completed at VTS 49. Approved at Council 72.
	b. Review / update Model Course 103/1 – VTS Operator	47	51	53				To Council 76 for approval.
	c. Review / update Model Course V-103/2 – VTS Supervisor	52	51	>53				Continue next WP.
	d. Review / update Model Course V-103/3	51	51	53				To Council 76 for approval.
	e. Review / update Model Course V-103/4	53	51	>53				Continue next WP.
	f. Review / update Model Course V-103/5		51	>53				Commence at next WP.
3.3.2	Review and update Guideline 1017 on Assessment for Recognition of Prior Learning in VTS Training	47	50					Approved at Council 73.
3.3.3	Produce a VTS Training Manual to complement V-103 and its model courses	48	51					C70 approved task deletion.
3.4.1	Review and update Guideline 1014 on the Accreditation and Approval to Deliver IALA VTS Model Courses	49	51					Approved at Council 74.
3.5.1	a. Develop guidance on VTS training for deck officers	45	46	47				Approved at C70
	b. Develop Recommendation on Marine Aids to Navigation awareness for Mariners	47	49					Approved at Council 72.

Legend:

Green light – progress as planned

Yellow light – risk that task needs more time and target time prolonged

Red light – target time exceeds work period

No light – task not started

Grew background - task completed, deleted or merged

Blank background - task scheduled or ongoing

Light orange background - to Council to note or approve