

IALA COUNCIL
79th session



11-14 December 2023
IALA Headquarters

10 – TECHNICAL ACTIVITIES

10.5 – VTS

10.5.1 – VTS 54 summary report

Note by the Secretariat

1. INTRODUCTION

The 54th session of the VTS Committee was held from 18 - 27 September 2023, including the physical week at IALA HQ between 18-22 September, with Monica Sundklev as Chair and Dirk Eckhoff as Vice-chair. The Secretary for the meeting was Thomas Southall.

131 participants from 33 countries, three Sister organisations participated in VTS54. 37 participants attended for the first time.

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

2. OUTPUTS

One draft Model Course has been finalised for the Council approval.

- C79-10.5.2 (VTS54-12.4.1) Revised C0103-2 Ed 3.0 VTS Supervisor training

One workshop proposal has been prepared for the Council approval.

- C76-10.5.3 (VTS54-12.2.1) Workshop proposal – VTS Competent Authorities

3. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.

Annex - Overall status of the VTS Committee 2023-2027 Work Programme post VTS54:

Standard	Scope	No.	Task	54	55	56	57	58	59	60
			WG#1 – Operations							
Vessel Traffic Services	VTS Implementation	1.1.2	Develop guidance for establishing a compliance and enforcement framework by participating ships					X	X	X
Vessel Traffic Services	VTS Implementation	1.1.3 a)	Develop guidance on the implications of maritime autonomous surface ships (MASS) from a VTS perspective	X	X	X				
		b)	Assess the implications associated with the advent of MASS on IALA Standards specifically related to the establishment and operation of VTS (scoping exercise)				X	X	X	X
Vessel Traffic Services	VTS Implementation	1.1.4	Develop guidance on delineating the VTS area				X	X	X	
Vessel Traffic Services	VTS Implementation	1.1.5	Develop guidance to assist competent authorities for VTS establish an appropriate policy and regulatory framework to meet their obligations	X	X	X				
Vessel Traffic Services	VTS Operations	1.2.1	Develop guidance for digital route exchange within VTS operations (+ application of S-421)					X	X	X
Vessel Traffic Services	VTS Communications	1.3.1	Develop guidance on VTS digital communications (operational aspects)	X	X	X	X			
Vessel Traffic Services	VTS Communications	1.3.2	Revision of IMO Resolution A.918(22) IMO Standard Marine Communication Phrases (prepare note IMO in time)	X	X					
Marine AtoN planning and service requirements	Obligations and regulatory compliance	1.8.1	Develop guidance on the certification of technical equipment, information systems and technical infrastructure related to MASS in the domain of IALA							
Marine AtoN planning and service requirements	Aids to navigation planning	1.8.2	Review relevant sections of NAVGUIDE (in cooperation with the Secretariat)							

Standard	Scope	No.	Task	54	55	56	57	58	59	60
Marine AtoN planning and service requirements	Aids to navigation planning	1.8.3	<i>Develop guidance on the provision of AtoN and risk management for autonomous vehicle/vessel operations (Maritime Autonomous Surface Ship, MASS)</i>							
Marine AtoN planning and service requirements	Quality Management	1.8.4	Develop a guideline on quality management system for VTS	X	X	X				
Marine AtoN planning and service requirements	Risk Management	1.8.5	Enhancing the safety and efficiency of navigation around offshore installations							
Vessel Traffic Services	N/A	1.9.1	Consider relevant VTS documents to be revised/updated	X	X	X	X	X	X	X
Vessel Traffic Services	N/A	1.9.2	Continuous update of the VTS Manual	X	X	X	X	X	X	X
Vessel Traffic Services	N/A	1.9.3	Review the VTS questionnaire and conduct a digital global survey	X	X	X	X			
Vessel Traffic Services	N/A	1.9.4	Proceed with the “living document” on “Future VTS”, including emerging technologies and Human Element	X	X	X	X	X	X	X
			WG#2 – Technology							
Vessel Traffic Services	VTS Data and Information Management	2.5.1	Revise G1177 on portrayal of VTS information	X	X	X				
Vessel Traffic Services	VTS Data and Information Management	2.5.2	Develop Technical Service Specifications for VTS	X	X	X	X	X	X	X
		a)	Technical Service Specification for VTS Traffic Clearance	X	X	X			X	X
		b)	Technical Service Specification for Route Exchange	X	X	X			X	X
Vessel Traffic Services	VTS Technologies	2.6.1	Consider updating G1111-1 to include guidance on VTS Management Information Systems	X		X	X			
Information services	Data models and data encoding	2.8.1	Develop a Product Specification S-212 on VTS Digital Information	X	X	X	X	X	X	X
Information services	Data models and data encoding	2.8.2	Review and update Recommendation R0145 (V-145) on the Inter-VTS Exchange Format (IVEF) Service	X	X	X	X	X	X	X

Standard	Scope	No.	Task	54	55	56	57	58	59	60
Marine AtoN planning and service requirements	Obligations and regulatory compliance	2.8.3	Develop guidance on the certification of technical equipment, information systems and technical infrastructure related to MASS in the domain of IALA							
Marine AtoN planning and service requirements	Risk Management	2.8.4	Develop guidance on cyber security for Marine AtoN	X						
AtoN design and delivery	Design, implementation and maintenance	2.8.5	Full review of A-126, G1084 and other AIS associated documentation							
AtoN design and delivery	Design, implementation and maintenance	2.8.6	Develop Recommendation and Guideline on the use of drones for AtoN inspection and maintenance							
Vessel Traffic Services	N/A	2.9.1	Consider relevant VTS documents to be revised/updated		X	X	X	X	X	X
			WG#3 – Training							
Vessel Traffic Services	VTS Implementation	3.1.1	Develop guidance for dealing with stress or trauma in VTS operations			X	X	X	X	X
Vessel Traffic Services	VTS auditing and assessing	3.4.1	Develop guidance on aptitudes required by VTS operators		X	X	X	X		
Training and Certification	Training and Assessment	3.8.1	Revision of G1103 on Train the Trainer				X	X	X	X
Training and Certification	Training and Assessment	3.8.2	Develop guidance for remote training in VTS		X	X	X	X	X	
Training and Certification	Training and Assessment	3.8.3	Develop a model course on incident response and crisis coordination							
Training and Certification	Training and Assessment	3.8.4	WWA lesson plans to review							
Training and Certification	Training and Assessment	3.8.5	Develop a guideline on skills related to the digital environment, such as data analytics and maritime informatics and associated training programs with WWA.			X	X	X	X	X
Training and Certification	Training and Assessment	3.8.6	Revision of G1027 on Simulation in VTS training	X	X	X	X			
Training and Certification	Training and Assessment	3.8.7 a)	Revision of IALA VTS Model Courses							
			C0103-2 VTS Supervisor	X						
			C0103-4 OJT Instructor	X	X	X				

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		b) c)	C0103-5 VTS Revalidation Process			X	X	X		
Training and Certification	Training and Assessment	3.8.9	Training in implementation of digital solutions (data analytics & maritime informatics)							
Training and Certification	Accreditation, competency, certification and revalidation	3.8.8	Consider including English language competency requirements in VTS operations	X	X	X	X	X	X	
Training and Certification	N/A	3.9.1	Consider relevant VTS documents to be revised/updated	X	X	X	X	X	X	X

Legend:

Blank:	Ongoing or scheduled task
Light orange:	To Council to note or approve
Light grey:	Task completed or deleted
X	Prolonged task

Legend for task numbering:

Digit 1: WG 1, 2 or 3
Digit 2: S1040 VTS Scope No.; Other standards = 8; Standard not available = 9
Digit 3: In sequence (1, 2, 3 etc.)
Digit 4: Sub task a, b, c...(if needed)