



IALA REFERENCE LIST

IALA DOCUMENTATION RELATING TO VTS

Edition 1.0

December 2018



DOCUMENT REVISION

Revisions to this IALA Document are to be noted in the table prior to the issue of a revised document.

Date	Page / Section Revised	Requirement for Revision
December 2018	New document	IALA documentation relating to VTS post Council 68



CONTENTS

1. INTRODUCTION	4
1.1 Preamble.....	4
1.2 Objective.....	4
2. DOCUMENTATION STRUCTURE	4
2.1 Standards.....	4
2.2 Recommendations.....	5
2.3 Guidelines.....	5
2.4 Model Courses.....	5
3. DOCUMENTATION RELATING TO VTS	5
4. REFERENCES	5
5. ANNEX 1 - STANDARDS, RECOMMENDATIONS, GUIDELINES AND MODEL COURSES RELATING TO VTS.	6



1. INTRODUCTION

1.1 PREAMBLE

The International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) is a specialised organisation for world-wide improvement and harmonization of Marine Aids to Navigation.

The term “Marine Aid to Navigation” (AtoN) referred to in the Constitution of IALA, should be understood to be a device, system or service, external to vessels, designed and operated to enhance safe and efficient navigation of individual vessels and/or vessel traffic. For the purposes of IALA this definition includes Vessel Traffic Services (VTS).

To achieve world-wide improvement and harmonisation of Vessel Traffic Services IALA publishes Standards, Recommendations, Guidelines, and Model Courses specifically related to the development, implementation and operation of VTS.

1.2 OBJECTIVE

The objective of this reference list is to provide standard documentation for Competent Authorities, VTS Authorities and VTS Training Organisations on IALA documentation (Standards, Recommendations, Guidelines and Model Courses) specifically related to the development, implementation and operation of VTS.

The reference list will be updated by the Secretariat with the release of any new or amended IALA guidance specifically related to VTS.

2. DOCUMENTATION STRUCTURE

The principal components to the IALA document structure include:

1. Standards
2. Recommendations
3. Guidelines
4. Model Courses

2.1 STANDARDS

An IALA Standard is a part of a framework, the implementation of which by all coastal states will harmonise Marine Aids to Navigation, including VTS, worldwide. IALA standards cover technology and services and are non-mandatory.

IALA Standards are suitable for direct citation by States in the interest of an efficient and harmonised global delivery of VTS.

Standards may contain normative and informative provisions:

- **Normative** provisions are those with which it is necessary to conform in order to claim compliance to the Standard.
- **Informative** provisions are those which specify additional desirable practices but with which it is not necessary to conform in order to claim compliance to the Standard.

There are seven Standards:

- 1010 - AtoN Planning and Service Requirements
- 1020 - AtoN Design and Delivery



- 1030 - Radionavigation Services
- 1040 - Vessel Traffic Services
- 1050 - Training and Certification
- 1060 - Digital Communications Technologies
- 1070 - Information Services

2.2 RECOMMENDATIONS

IALA Recommendations specify what practices shall be carried out in order to comply with a Recommendation, and may be referenced, in full or in part, in an IALA Standard.

2.3 GUIDELINES

IALA Guidelines describe how to implement practices normally specified in a Recommendation.

2.4 MODEL COURSES

IALA Recommendation V-103 - on the Standards for Training and Certification of VTS Personnel sets out the training requirements and certification standards for VTS personnel. Amongst other things the Recommendation provides the basis for model courses to establish a training programme on the specific knowledge and skill requirements necessary for qualification as a VTS Operator.

3. DOCUMENTATION RELATING TO VTS

The Standards, Recommendations, Guidelines and Model Courses specifically related to the development, implementation and operation of VTS are within Annex 1.

4. REFERENCES

- IALA Standard 1040 - Vessel Traffic Services
- IALA Standard 1010 - Marine Aids to Navigation Planning and Service Requirements
- IALA Standard 1050 - Training and Certification
- IALA Standard 1070 - Information Services



5. ANNEX 1 - STANDARDS, RECOMMENDATIONS, GUIDELINES AND MODEL COURSES RELATING TO VTS

5. ANNEX 2 - STANDARDS, RECOMMENDATIONS, GUIDELINES AND MODEL COURSES RELATING TO VTS

Standard	Scope	Recommendation			Guideline	
		Ref.	Title	Normative / Informative	Ref.	Title
IALA1010 AtoN Planning and Service Requirements	Risk Management	R1002	Risk Management for Marine Aids to Navigation	Normative	[G]1018	Risk Management (May 2013)
					G1123	The Use of IALA Waterway Risk Assessment Programme (IWRAP MkII) (June 2017)
					G1124	The Use of Ports and Waterways Safety Assessment (PAWSA MkII) Tool (June 2017)
					G1138	The Use of the Simplified IALA Risk Assessment Method (SIRA) (Dec 2017)
					[G]1104	The Application of Maritime Surface Picture for Analysis in Risk Assessment and the Provision of [Marine] Aids to Navigation Service Delivery (Dec 2013)
Quality management	O-132	Quality Management for Aids to Navigation Authorities	Normative	[G]1052	Quality Management Systems for [Marine] Aids to Navigation Service Delivery (Dec 2013)	
IALA1040 Vessel Traffic Services	VTS implementation	R0102 V-102	The application of the 'User Pays' principle to Vessel Traffic Services	Informative		
		R0119 V-119	The Implementation of Vessel Traffic Services (Review and update)	Normative	[G]1071	Establishment of a Vessel Traffic Service Beyond Territorial Seas (Dec 2009)
					[G]1083	Standard Nomenclature to Identify and Refer to VTS Centres (June 2011)
					G1142	The provision of Local Port Services other than VTS
	R0120 V-120	Vessel Traffic Services in Inland Waters	Informative			
	VTS operations	R0127 (V-127)	Operational Procedures for Vessel Traffic Services	Normative	[G]1089	Provision of VTS Services (INS, TOS & NAS) (Dec 2012)
					[G]1110	Use of Decision Support Tools for VTS Personnel (Dec 2014)
					G1131	Setting and Measuring VTS Objectives (Dec 2017)
					[G]1045	Staffing Levels at VTS Centres (Dec 2018)
					[G]1118	Marine Casualty / Incident Reporting and Recording, Including Near-Miss Situations as it Relates to VTS (Dec 2016)
G1141					Operational Procedures for Vessel Traffic Services (Dec 2018)	



Standard	Scope	Recommendation			Guideline		
		Ref.	Title	Normative / Informative	Ref.	Title	
	VTS data and information management	R0125 V-125	The use and presentation of symbology at a VTS centre	Normative			
		R1014	Portrayal of VTS information and data	Normative	1105	Shore side Portrayal	
	VTS communications	R1012	VTS Communications	Normative	G1132	VTS VHF Voice Communication (Dec 2017)	
	VTS technologies	R0128 V-128	Operational and Technical Performance of VTS Systems	Normative	[G]1111	Preparation of Operational and Technical Performance Requirements for VTS Systems (May 2015)	
		A-123	Provision of Shore Based AIS		1082	An Overview of AIS	
	VTS Auditing and assessing	R1013	Auditing and Assessing Vessel Traffic Services	Normative	[G]1101	Auditing and Assessing VTS (Dec 2013)	
					[G]1115	Preparing for an IMO Member State Audit Scheme (IMSAS) on Vessel Traffic Services (Dec 2015)	
	VTS additional services				[G]1070	VTS Role in Managing Restricted or Limited Access Areas (Dec 2009)	
					[G1102]	VTS Interaction with Allied or Other Services (Dec 2013)	
					G1130	Technical Aspects of Information Exchange Between VTS and Allied or Other Services (Dec 2017)	
IALA1050 Training and Certification	Training and assessment	R0103 (V-103)	Training and Certification of VTS Personnel	Normative	[G]1017	Assessment of Training Requirements for Existing VTS Personnel, Candidate VTS Operators, Revalidation of VTS Operator Certificates (Dec 2005)	
					[G]1027	Simulation in VTS Training (Dec 2005)	
					[G]1103	Train the Trainer (Dec 2013)	
	Accreditation, competency, certification and revalidation	R0149 (O-149)	Accreditation of Training Organisations	Normative	[G]1014	Accreditation and Approval Process for VTS Training Courses (Dec 2011)	
	Model Courses					V-103/1	Vessel Traffic Services Operator Training (Dec 2009)
						V-103/2	Vessel Traffic Services Supervisor Training (Dec 2009)
						V-103/3	Vessel Traffic Services On the Job Training (Dec 2009)
						V-103/4	Vessel Traffic Services On the Job Training Instructor (Dec 2009)
						V-103/5	The Revalidation Process for VTS Qualification and Certification (Jun 2016)



Standard	Scope	Recommendation			Guideline	
		Ref.	Title	Normative / Informative	Ref.	Title
IALA1070 Information Services	Data models and data encoding (IVEF, S-100, S-200, ASM)	R0145 V-145	The Inter-VTS Exchange Format (IVEF) Service	Normative		