|  |
| --- |
| IALA Guideline |

1???

iala REFERENCE LIST of Standards, recommendations and guidelines relating to vts

Edition 1.0

Document date

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 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

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

3 Standards, Recommendations and Guidelines relating to VTS 5

4 DEFINITIONS 5

5 ACRONYMS 5

6 REFERENCES 5

List of Tables

Table 1 Types of Data Exchange 12

Table 2 Characteristics of the data exchange 13

List of Figures

**No table of figures entries found.**

# INTRODUCTION

## 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” referred to in the Constitution of IALA, should be understood to be 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, and Guidelines, specifically related to the development, implementation and operation of VTS.

## Objective

The objective of this Guideline is to provide a reference to IALA documentation (Standards, Recommendations and Guidelines) specifically related to the development, implementation and operation of VTS.

The Guideline will be updated with the release of any new or amended guidance specifically related to VTS.

# Documentation Structure

There are three components to the IALA document structure:

1. Standards
2. Recommendations
3. Guidelines

## Standards

IALA Standards form a framework, implementation of which by all coastal states will harmonize VTS worldwide. IALA standards cover technology and services and, while non-mandatory, are suitable for direct citation by States in the interest of an efficient and harmonised global delivery of VTS.

There are seven Standards, including:

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

IALA Standards 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.

## 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.

## Guidelines

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

# Standards, Recommendations and Guidelines relating to VTS

See Annex 1

# DEFINITIONS

The definitions of terms used in this IALA Guideline can be found in the International Dictionary of Marine Aids to Navigation (IALA Dictionary) at <http://www.iala-aism.org/wiki/dictionary> and were checked as correct at the time of going to print.

# ACRONYMS

IALA International Association of Marine Aids to Navigation and Lighthouse Authorities - AISM

IMO International Maritime Organization

SOLAS International Convention for the Safety of Life at Sea (IMO 1974 as amended)

VTS Vessel Traffic Services

# REFERENCES

1. SOLAS Chapter V, Regulation12 Vessel Traffic Services
2. IMO Resolution A.857(20) Guidelines for Vessel Traffic Services

**ANNEX 1 - STANDARDS, RECOMMENDATIONS AND GUIDELINES RELATING TO VTS**

| **Standard** |  | **Recommendation**   * **What practices shall be carried out in order to comply with a Recommendation** | | | **Related Guidelines**   * **How to implement practices normally specified in a Recommendation** | |
| --- | --- | --- | --- | --- | --- | --- |
| **Standard** | **Topic Area / Scope** | **Number** | **Title** | **Provision** | **Number** | **Title** |
| **1040 – Vessel Traffic Services** | Vessel Traffic Services Implementation | R0119(V‐119) | The Implementation of Vessel Traffic Services | Normative | 1018 | Risk Management |
| 1045 | Staffing levels for VTS Personnel |
| 1056 | Establishment of VTS Radar Services |
| 1070 | VTS role in managing Restricted or Limited Access Areas |
| 1071 | Establishment of a Vessel Traffic Service beyond territorial seas |
| 1104 | Application of MSP for analysis in Risk Management and provision of AtoN |
| XXXX | Guidelines for setting objectives for a VTS and achieving them – being considered at VTS44 |
| R0102(V‐102) | The Application of the 'User Pays' Principle to Vessel Traffic  Services | Informative |  |  |
| R0120(V‐120) | Vessel Traffic Services in Inland Waters  Should this be a recommendation | Informative |  |  |
| Vessel Traffic Services Operations | R0127(V‐127) | Operational Procedures for Vessel Traffic Services | Normative | 1081 | Virtual Aids to Navigation |
| 1082 | An Overview of AIS |
| 1083 | Standard Nomenclature to identify and refer to VTS centres |
| 1089 | Provision of VTS types of service |
| 1110 | Use of Decision Support Tools for VTS Personnel |
| 1105 | Shore side Portrayal |
| 1045 | Staffing levels for VTS Personnel |
| 1115 | Preparing for IMO Member State Audit Scheme (IMSAS) On Vessel Traffic Services |
| 1118 | Marine casualty / incident reporting and recording including near miss situations as it relates to VTS |
| Vessel Traffic Services Communications | NEW  Draft Recommendation to be considered at VTS44 |  |  |  | NEW  Draft Guidance to be developed |
| Vessel Traffic Services data and information management | R0125(V‐125) | The Use and Presentation of Symbology at a VTS Centre | Normative |  |  |
| Vessel Traffic Services Technologies | R0128(V‐128) | Operational and Technical Performance of VTS Systems | Normative | 1111 | Preparation of Operational and Technical Performance Requirements for VTS Systems |
|  | Auditing and Assessing Vessel Traffic Services | Draft Recommendation to be considered at VTS44 |  |  | 1101 | Auditing and Assessing VTS |
|  |  |  |  | 1115 | Preparing for IMO Member State Audit Scheme (IMSAS) On Vessel Traffic Services |
| VTS Additional Services | ???? | ???? |  |  |  |
|  |  |  |  |  |  |  |
| **1010 - Marine Aids to Navigation Planning and Service Requirements** | Risk Management | R1002 | Risk Management for Marine Aids to Navigation | Normative | G1123 | The Use Of IALA Waterway Risk Assessment Programme (IWRAP MKII) |
| Quality Management | R0132(O‐132) | Quality Management for Aids to Navigation Authorities | Normative |  |  |
|  |  |  |  |  |  |  |
| **1050 - Training and Certification** | Training and assessment | R0103(V‐103) | Training and Certification of VTS Personnel | Normative | 1103 | on Train the trainer |
|  |  |  |  | 1017 | Assessment of training requirements for existing VTS personnel, candidate VTS operators, revalidation of VTS operator certificates |
|  |  |  |  | 1027 | Simulation in VTS Training |
|  | V-103/1 | Model Course – Vessel Traffic Services Operator Training |  |  |  |
|  | V-103/2 | Model Course – Vessel Traffic Services Supervisor |  |  |  |
|  | V-103/3 | Model Course – Vessel Traffic Services On the Job Training |  |  |  |
|  | V-103/4 | Model Course – Vessel Traffic Services - On the Job Training Instructor |  |  |  |
| Accreditation,  competency,  certification and  revalidation | R0149(O‐149) | Accreditation of Training Organisations | Normative | Guideline 1014 | Accreditation and Approval Process for VTS Training |
|  |  |  |  |  |  |  |
| **1070 - Information Services** | Data models and data  encoding (IVEF, S‐100,  S‐200, Application  Specific Messages) | R0145(V‐145) | The Inter‐VTS Exchange Format (IVEF) Service | Normative |  |  |