Commissioners of **IRISH LIGHTS** | Navigation and Maritime Services

IALA

IALA STANDARD

S1020

MARINE AIDS TO NAVIGATION DESIGN AND DELIVERY

Edition 1.0
May 2018

10, rue des Gaudines - 78100 Saint Germain en Laye, France
Tel. +33 (0)1 34 51 70 01 - Fax +33 (0)1 34 51 82 05 - contact@iala-aism.org
www.iala-aism.org
International Association of Marine Aids to Navigation and Lighthouse Authorities
Association Internationale de Signalisation Maritime

IALA Standards in Focus

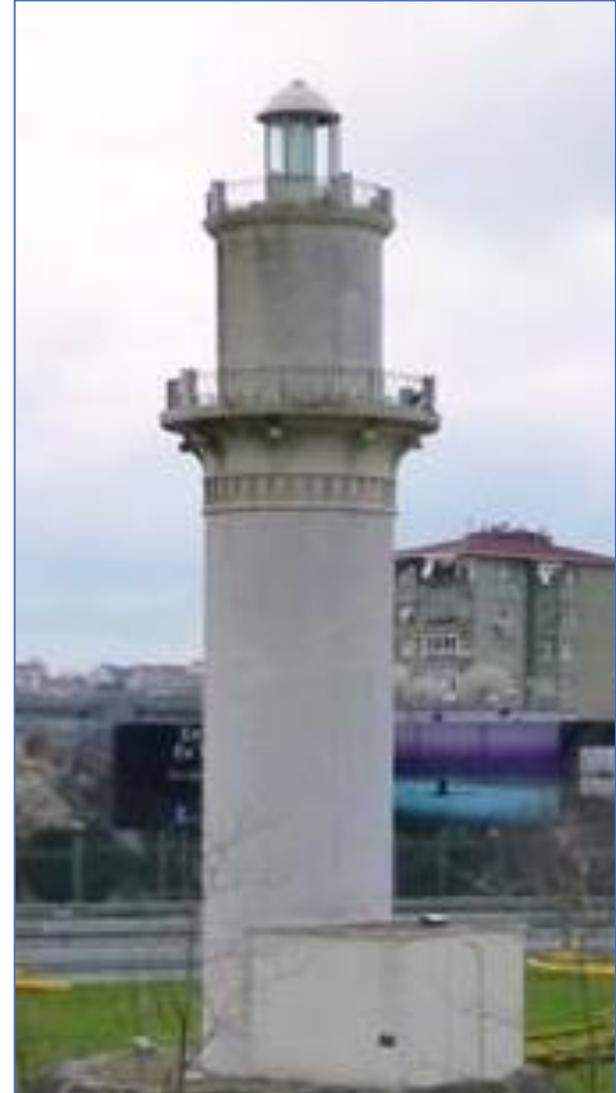ISTANBUL
Turkey

11th March 2019

What Lighthouse?

A Clue

The Garden Lighthouse

Or in Turkish

Fener = Lighthouse

Bahçe = Garden

Fenerbahçe

A Standard for over 450 Years

Muhterem'le Geziye

The Stadium

The Real Lighthouse

IALA Standards

An IALA Standard is a part of a framework, the implementation of which by all coastal states will harmonise Marine Aids to Navigation worldwide.

IALA standards cover technology and services and are non-mandatory.

IALA Recommendations & Guidelines

Recommendation - specifies what practices should be carried out in Order to comply with that Recommendation, and may be referenced, in full or in part, in an IALA Standard.

Guideline - describes how to implement practices normally specified in a Recommendation.

Normative or Informative

Standards are Non Mandatory - However

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.

S1010: MARINE AIDS TO NAVIGATION PLANNING AND SERVICE REQUIREMENTS

S1010: MARINE AIDS TO NAVIGATION PLANNING AND SERVICE REQUIREMENTS			
Scope	Number	Title	Compliance
Aids to Navigation Planning	R1001	The IALA Maritime Buoyage System	Yes
	E-111	Port Traffic Signals	Yes
	O-113	The Marking of Fixed Bridges and Other Structures over Navigable Waters	Yes
	O-139	The Marking of Man-Made Offshore Structures	Yes
Levels of Service	R0130(O-130)	Categorisation and Availability Objectives for Short Range Marine Aids to Navigation	Yes
Risk Management	R1002	Risk Management for Marine Aids to Navigation and Related Services	Yes
	R1015	Marking of Hazardous Wrecks	Yes
	R1016	Mobile Marine Aids to Navigation (MAtoN)	Yes
Quality Management	O-132	Quality Management for Aids to Navigation Authorities	Yes
	O-118	The Recording of Aids to Navigation Positions	Yes
S1010 Compliance			**100%**

Standards Can Change

From: ENG8

To: VTS46 and ARM8

ENG8-12.1.19

19 October 2018

LIAISON NOTE

Use of Recommendation E-111 on Port Traffic Signals

1   Introduction

The ENG Committee is currently tasked with updating Recommendation E-111 on Port Traffic Signals. However, during initial discussions on the subject, it is apparent that some members have difficulty in using the port traffic signal codes described in the Recommendation due to localised requirements such as wide sector widths and/or long luminous ranges. As such, some ports have developed their own means of providing Port Traffic Signals that do not strictly comply with the existing Recommendation. It was not apparent whether these examples are isolated cases, or is a representation of a wider issue in the industry.

2   Action requested

The VTS and ARM committees are requested to:

1   Advise the ENG committee of whether their members are applying the Recommendation in their ports, or whether there are difficulties in meeting it. If there are difficulties, please advise the ENG Committee of the nature of those difficulties to ensure that the update to the Recommendation meets the needs of the members.

S1020: MARINE AIDS TO NAVIGATION DESIGN AND DELIVERY

S1020: MARINE AIDS TO NAVIGATION DESIGN AND DELIVERY			
Scope	**Number**	**Title**	**Compliance**
Visual Aids to Navigation	R0108(E-108)	The Surface Colours used as Visual Signals on Marine Aids to Navigation	Yes
	E-110	Rhythmic Characters of Lights on Aids to Navigation	Yes
	R0201(E200-1)	Marine Signal Lights - Colours	Yes
	R0106(E-106)	The Use of Retro-reflecting Material on Marine Aids to Navigation Marks within the IALA Maritime Buoyage System	Yes
	O-104	Off Station Signals for Major Floating Aids	Yes
Range and Performance	R0202(E-200-2)	Marine Signal Lights - Calculation, Definition and Notation of Luminous Range	Yes
	E-200-3	Marine Signal Lights – Terms of Measurement	Yes
	R0204(E-200-4)	Marine Signal Lights – Determination and Calculation of Effective Intensity	Yes
S1020 Compliance			**100%**

S1030: RADIO NAVIGATION SERVICES

S1030: RADIO NAVIGATION SERVICES			
Scope	**Number**	**Title**	**Compliance**
Radar and Radar Positioning	R-101	**Marine Radar Beacons (racons)**	Yes
Augmentation Services	R-115	**The Provision of Maritime Radionavigation Services in the Frequency Band 283.5-315 kHz in Region 1 and 285-325 kHz in Region 2 and 3**	Yes
	R-121	**The Performance and Monitoring of DGNSS Services in the frequency band 283.5-325KHz**	Yes
S1030 Compliance			**100%**

S1040: VESSEL TRAFFIC SERVICES

S1040: VESSEL TRAFFIC SERVICES			
Scope	**Number**	**Title**	**Compliance**
VTS Implementation	V-119	The Implementation of Vessel Traffic Services	N/A
VTS Operations	V-127	Operational Procedures for Vessel Traffic Services	N/A
VTS Data and Information Management	V-125	The Use and Presentation of Symbology at a VTS Centre	N/A
	R1014	Portrayal of VTS Information	N/A
VTS Communications	R1012	VTS Communications	N/A
VTS Technologies	V-128	Operational and Technical Performance of VTS Systems	N/A
VTS Auditing and Assessing	R1013	Auditing and Assessing Vessel Traffic Services	N/A
S1040 Compliance			**#DIV/0!**

S1050: TRAINING AND CERTIFICATION

S1050: TRAINING AND CERTIFICATION			
Scope	**Number**	**Title**	**Compliance**
Training and Assessment	**R0141(E-141)**	**Training and Certification of AtoN Personnel**	Yes
	R0103(V-103)	**Training and Certification of VTS Personnel**	N/A
Accreditation, Competency, Certification and Revalidation	**O-149**	**Accreditation of Training Organisations**	Yes
S1050 Compliance			**100%**

S1060: DIGITAL COMMUNICATION TECHNOLOGIES

S1060: DIGITAL COMMUNICATION TECHNOLOGIES			
Scope	**Number**	**Title**	**Compliance**
Wide and Medium Bandwidth Systems	R1007	VDES for Shore Infrastructure	Yes
	A-123	The Provision of the Shore Based Automatic Identification System (AIS)	Yes
S1060 Compliance			**100%**

S1070: INFORMATION SERVICES

S1070: INFORMATION SERVICES			
Scope	Number	Title	Compliance
Data Models and Data Encoding	e-NAV-144	Harmonised Implementation of Application Specific Messages (ASM)	Yes
	R0147(e-NAV-147)	Product Specification Development and Management	Yes
	V-145	The Inter-VTS Exchange Format (IVEF) Service	N/A
S1070 Compliance			**100%**

Need Some Help?

ARM Committee

ENAV Committee

Need Some Help?

ENG Committee

VTS Committee

Or Call in The A Team!

MR OMAR FRITS ERIKSSON
Dean, IALA Deputy Secretary-General

MRS GERARDINE DELANOYE
Programme Manager

MR KEVIN GREGORY
Senior Advisor

MR JACQUES MANCHARD
Senior Advisor

The IALA World Wide Academy

Enabling National Authorities to meet their States' obligations under the UNCLOS and SOLAS conventions.

The WWA is there to help you meet the IALA Standards

Safe Seas – Connected Coasts
Irish Lights Strategy 2018 – 2023

Our Values

Professionalism		Quality	
Respect		Innovation	
Trust		Collaboration	

IALA Standards in Focus