



IALA COUNCIL 68th session



10-14 December 2018
IALA Headquarters

11 – IALA TECHNICAL ACTIVITIES

11.3 – ENG

11.3.2 – ENG Committee papers for consideration at the 68th Session of the IALA Council

Note by the Secretariat

1. INTRODUCTION

The following papers are submitted from the 8th session of the ENG Committee (ENG8) for consideration of the Council at its 68th session.

2. DRAFT RECOMMENDATIONS FOR APPROVAL

2.1. The Council is requested to approve the following draft Recommendations.

- C68-11.3.2.1 (ENG8-12.1.13) Draft IALA Recommendation R0201(E-200-1) Ed.3 Marine Signal Lights - Colours

Recommendation R0201 (E-200-1) Marine Signal Lights - Colours has been revised to Edition 3 with a minor correction to the blue region in the chromaticity chart in Figure 1.

- C68-11.3.2.2 (ENG8-12.1.22) Draft Recommendation 1017 Ed.1 on Resilient Position Navigation and Timing (PNT)

Recommendation 1017 Ed.1 on Resilient Position Navigation and Timing (PNT) is a new recommendation to support Standard 1030 – Radionavigation services.

3. DRAFT GUIDELINES FOR APPROVAL

3.1. The Council is requested to approve the following draft Guidelines.

- C68-11.3.2.3 (ENG8-12.1.1) Draft Guideline G1006 Ed.4 on Plastic Buoys Dec 2018

This Guideline has been developed to assist marine aids to navigation (AtoN) manufacturers and authorities when developing and selecting plastic buoys for different purposes. It provides information about plastic material types, manufacturing techniques, quality control considerations, and standard test procedures commonly in use. The Guideline content was extensively reviewed and updated.

- C68-11.3.2.4 (ENG8-12.1.18) Draft Guideline G1067-3 Ed.3 on Electrical Energy Storage for AtoN Dec 2018

Guideline G1067-3 Ed.3 Electrical Energy Storage for AtoN has been revised to Edition 3. The revision is minor amendment to correct the definition of cycle life in section 5.9.

- C68-11.3.2.5 (ENG8-12.1.29) Draft Guideline 1065 Ed.4 on AtoN Signal Light Beam Vertical Divergence_Dec2018

Guideline 1065 Ed.4 on AtoN Signal Light Beam Vertical Divergence has been amended to Edition 4. A minor correction was carried out in Section 4.2 to harmonise the character recognition sequence with other IALA documents.



4. DRAFT MODEL COURSES FOR APPROVAL

4.1. The Council is requested to approve the following revised Model Courses.

Most of the World-Wide Academy Model Courses are either reviewed or developed by the ENG Committee and as such are submitted by this Committee to the Council for approval.

During its eighth session, the ENG Committee finalised six revised Model Courses. They have been reviewed and updated to ensure compliance with the current IALA documentation. The format has been updated to the new corporate style where necessary.

The finalised documents are submitted for approval as input papers C68-11.2.2.6 to C68-11.2.2.10.

- C68-11.3.2.6 (ENG8-12.1.3) Draft IALA Model Course L1.5 Historic Lighthouse Projects Ed.2_Dec 2018;
- C68-11.3.2.7 (ENG8-12.1.4) Draft IALA Model Course L2.1.7 Buoy Moorings Ed.3_Dec 2018;
- C68-11.3.2.8 (ENG8-12.1.5) Draft IALA Model Course L2.2.1 DC Power Systems Ed.3_Dec 2018;
- C68-11.3.2.9 (ENG8-12.1.6) Draft IALA Model Course L2.2.2 Primary and Secondary Battery Maintenance Ed.3_Dec 2018;
- C68-11.3.2.10 (ENG8-12.1.7) Draft IALA Model Course L2.2.3 Photovoltaic (Solar panel) systems and maintenance Ed.3_Dec 2018;

5. DRAFT SEMINAR / WORKSHOP PROPOSALS FOR APPROVAL

5.1. The Council is requested to approve the following draft seminar / workshop proposals.

- C68-11.3.2.11 (ENG8-12.1.17) Draft Proposal for Heritage Seminar

It is proposed to conduct a seminar in early 2020 on the sustainable management of historical lighthouses as AtoN and cultural heritage in the context of the Incheon Declaration which was signed at the 19th IALA Conference in Republic of Korea in 2018. Invitations are being sought for a host nation venue.

The purpose of the proposed seminar is to support IALA efforts towards sustainable lighthouse management through knowledge sharing, training and international cooperation projects, to foster interest in lighthouse heritage globally, and to raise awareness of historical lighthouses as cultural heritage.

- C68-11.3.2.12 (ENG8-12.1.23) Draft Proposal for R-Mode workshop 2019

Work is being conducted on the possibilities of R-Mode (ranging mode) as a component for providing resilient PNT for mariners using MF radiobeacon transmitters and/or VDES.

It is proposed to hold a workshop on the technical concepts of R-Mode implementation and the way forward to an operating system in either early July or early September 2019 to provide input to ENAV24 in October 2019. The workshop will be held in either IALA HQ or a host nation if an invitation is received.

The purpose of the workshop is to consolidate user requirements on R-Mode system, review proposals for implementation aspects of R-Mode on VHF (VDES/AIS), review proposals for implementation aspects of R-Mode on MF, to discuss results from simulations and field trials and to bring together all interested parties from the different IALA Committees and sister organisations.

6. THE COUNCIL IS INVITED TO APPROVE THE DOCUMENTS MENTIONED ABOVE.



7. IALA SUBMISSION TO OTHER ORGANISATIONS APPROVED INTERSESSIONALLY (TO NOTE)

To the IMO (approved by correspondence on 9th November 2018 to be sent to the IMO within the timeframe for the next meeting of IMO NCSR (NCSR6))

- C68-13.1.3.3 (ENG8-12.1.20) Draft IALA submission to IMO-NCSR6 INF re LED AtoN with night vision devices

The IMO NCSR at its 5th session, considered paper NCSR 5/17 (Report of the twenty-fourth meeting of the ICAO/IMO Joint Working Group on Harmonization of Aeronautical and Maritime Search and Rescue). This paper, at section 9.1 of the Annex, discussed issues related to light emitting diodes (LED) potentially not being detectable by night vision devices.

This question was noted by IALA and a draft liaison note on LED AtoN with night vision devices to IMO NCSR6 was drafted. The liaison note explains the reason why night vision devices do not detect LED lights.