

Agenda item	10.2
Author(s) / Submitter(s)	Secretariat

## New Draft Recommendations for early completion

### 1. SUMMARY

This paper

- Draws on the content of input paper PAP33-10.2
- Proposes four important new draft Recommendations which the Secretariat would like to see approved at Council 64 in June, or failing that at Council 65 in December 2017

The four new draft Recommendations would fill four voids:

- Lack of a Recommendation or Guideline on the Maritime Buoyage System
- Lack of a Recommendation on the VHF Data Exchange System (VDES)
- Lack of a Recommendation on preservation of the lighthouse heritage
- Lack of an overall Recommendation Risk management for aids to navigation and related services

### 2. PURPOSE

Maritime Buoyage System

The original international agreement contains an MBS which is now superseded, and it's limited list of signatories supplemented by later accessions does not reflect the universal (or near universal) acceptance and implementation of the MBS.

IALA does not have a Recommendation or a Guideline on the MBS, so the most important achievement of IALA is not recognised in the present IALA document scheme.

A simple management level Recommendation would overcome this lack. The present MBS booklet can be rebadged as the related Guideline as an interim measure, until a PDF document is available.

VDES

The concept for VDES (originally VDE) is an IALA creation and is now recognised in IMO documents and among IALA members as a key part of the future communications infrastructure for maritime digital connectivity. IALA has been the major player in work to create the [draft] ITU technical document. Some aspects of VDES are still under consideration and VDES will not be completely specified until 2019, however trials are already underway, and some manufacturers are already developing or planning products.

IALA Guideline 1117 “VHF DATA EXCHANGE SYSTEM (VDES) OVERVIEW” was approved at the Council 63 in December 2016. It provides a comprehensive description of VDES and an explanation with examples of its future role in digital marine connectivity.

Other documents are under consideration in the ENAV Committee, while the Efficiensea2 project is allowing IALA contractors to develop VDES documents which will be output documents from that project, but which will then to go to the ENAV Committee for conversion to draft IALA Guidelines for approval by IALA Council.

Despite all this excellent and detailed work IALA has no Recommendation to its members to start preparatory planning for the introduction of VDES to shore infrastructure.

A simple management-level (non-technical) Recommendation on VDES would recommend that aids to navigation authorities and other authorities operating AIS base station networks should start initial planning to update these networks to VDES. The existing Guideline 1117 is sufficient to be the supporting Guideline. It could be referenced in the Recommendation.

#### Preservation of the lighthouse heritage

The IALA Conference in Korea in May 2018 will have a heavy emphasis on heritage including an exhibition of artefacts.

IALA has an excellent Heritage Manual but no Recommendation on preservation of the lighthouse heritage. A management level Recommendation would fill this void, but also and importantly support Korea in its efforts and planning for the 2018 conference. The Heritage Manual could be referenced in the Recommendation.

#### Risk management for aids to navigation and related services

Recommendation O-134 opens with a very good explanation of the need for risk management, but then recommends the use of the PAWSA tool. The Secretariat proposes that O-134 is adapted to a management level Recommendation on the need for risk management, one or two pages.

The detail on the use of PAWSA can then become a Guideline, and as other risk management techniques are developed they can become the subject(s) of other Guidelines.

### 3. WORKLOAD FOR COMMITTEES

The consequent work for Committees if the relevant Committee Chairs agree to complete the four draft Recommendations in time for Council 65 is as follows.

- (ARM) Maritime Buoyage System
  - Agree or amend the draft Recommendation
  - Determine the format for Guideline IALA1010-G1001 which will describe the current MBS
    - As an interim measure this Guideline could consist of the existing MBS booklet with a suitable “Guideline IALA1010-G1001” on the front cover
    - A new Guideline Booklet could be printed later
- (ENAV) VDES
  - Agree or amend the draft Recommendation

- Take note that Guideline 1117 on VHF Data Exchange System (VDDES) Overview will be sufficient support for the Recommendation now, and note that additional Guidelines will be produced between now and 2019
- (ENG) Preservation of the lighthouse heritage
  - Agree or amend the draft Recommendation
- (ARM) Risk management for aids to navigation and related services
  - Agree or amend the draft Recommendation
    - This draws heavily on the existing O-134 page 3 to make a general Recommendation to employ risk management techniques, rather than a Recommendation to use a single tool, PAWSA
  - Convert Recommendation O-134 to a Guideline on PAWSA using pages 4 to 22

#### **4. RECOMMENDATION TEXT SUGGESTIONS**

Text suggestions for the four new draft Recommendations are provided in separate documents PAP33-10.2.2 to PAP33-10.2.5

#### **5. ACTION**

Committee Chairs are requested to advise what can be achieved before Council 64 and before Council 65.



## Appendix