



Input paper for the following Committee(s):

- ☐ ARM
 ☐ ENG
 ☒ **PAP**
- ☐ ENAV
 ☐ VTS

Purpose of paper:

- ☒ **Input**
- ☐ Information

Agenda item  
Guidelines

4 – Note on IALA Standards Plan & Mapping of Recommendations and

Author(s) / Submitter(s)

Secretariat

## Note on IALA Standards Plan & Mapping of Recommendations and Guidelines

### 1. BACKGROUND

IALA seven Standards and general topic areas for Recommendations and Guidelines was approved by the IALA Council at its 61<sup>st</sup> meeting in Senegal in December, 2015.

The arrangement of an IALA 7 Standards Plan, mapping of Recommendations and Guidelines have been the subject of a series of discussions between the Committee Chairs and the IALA Secretariat after Council61.

As noted, all the comments from each Committee Chair have been taken into account in the latest working draft revision. Nevertheless, several of them need some discussions at the PAP31, for the purpose of arranging better revision after this meeting.

### 2. DETAILS

The input paper PAP31-4.1.1 is the latest working draft revision which includes some changes on the IALA 7 Standards Plan and subsidiary general topic areas for sitting Recommendations and Guidelines after Council61.

- (1<sup>st</sup> Standard) AtoN Planning and Service Requirement (N/C)
- (2<sup>nd</sup> Standard) AtoN Design and Delivery
  - Vision, Colour, Conspicuity, Rhythmic characters → Visual AtoN
  - Lights and Daymarks (To delete since overlapped with Visual AtoN)
  - Design objectives, Protection, Security, Commissioning, Maintenance, Heritage → Design, Implementation & Maintenance
  - Environment and Sustainability → Environment, Sustainability & Legacy
  - Secondary AtoN systems, including Sound signal, Radar beacons & reflectors → Additional AtoN systems, including Sound signal (Radar beacons & reflectors, moved to 3<sup>rd</sup> Standard-3<sup>rd</sup> general topic area : RACON & Radar positioning)
- (3<sup>rd</sup> Standard) Radionavigation Services
  - Satellite based positioning systems, including GNSS → Satellite positioning and timing
  - Satellite Based Augmentation systems → Terrestrial positioning and timing
  - Terrestrial positioning and timing systems, including eLoran, R-mode → RACON & Radar positioning



- Ground Based Augmentation systems including DGNSS → Terrestrial augmentation services (DGNSS)
- (4<sup>th</sup> Standard) Vessel Traffic Services
  - VTS sensors → VTS technologies
- (5<sup>th</sup> Standard) Training and Certification (N/C)
- (6<sup>th</sup> Standard) Digital Communications → Digital Communication Technologies
  - Terrestrial VHF and above, including VDES & AIS → Wide/Medium bandwidth systems (AIS & VDES)
  - Other spectrum including NAVDAT, MF beacon data broadcasting → Narrow bandwidth systems (NAVDAT, MF beacons)
  - Information exchange systems, including Inter-VTS exchange → Maritime Internet of Things (Intelligent sensors, AtoN monitoring)
  - Commercial Terrestrial and Satellite (To delete)
- (7<sup>th</sup> Standard) Information Service
  - Harmonised maritime connectivity framework including Maritime Identity Register → Harmonised maritime connectivity framework (CMDS)
  - Management of IALA domain within the S-100 Registry (S-200) → Data models and data encoding (IVEF, S-100, S-200, ASM)
  - Delivery of Maritime Service Portfolios → Data exchange systems (Traffic Information)
  - AtoN monitoring (To integrate it into 6<sup>th</sup> Standard-3<sup>rd</sup> general topic : Maritime Internet of Things (Intelligent sensors, AtoN monitoring))
  - Maritime domain awareness and traffic information sharing → User requirement
  - Symbolology, terminology, IALA Dictionary → Terminology and symbolology (IALA Dictionary)

The input paper PAP31-4.1.2 and 4.1.3 are the latest working draft showing where all the IALA Recommendations and Guidelines sit under the 7 Standards Plan.

### 3. FUTURE ACTIONS

It is noted that some Recommendations have too much guidance in them, and some committees have plan to merge or adjust existing documents. As this work progresses, in particular, we will probably wish to revise the 7 Standards Plan here and there, perhaps make additional Recommendations and perhaps merge or adjust existing Guidelines. IALA will just update the 7 Standards plan, and mapping of Recommendations and Guidelines under the 7 Standards.

IALA could have most of these Recommendations and Guidelines approved by Council before the General Assembly in 2018 so that the delegates to the General Assembly could see how the whole hierarchy of documents fits together, and how the Recommendations and Guidelines sit under the 7 Standards in a logical and professional manner.

IALA is planning to submit the 7 Standards to the IALA General Assembly at Incheon, Korea in 2018 for approval. At that time IALA would also present a new scheme of Recommendations and Guidelines, based on IALA plans as discussed at PAP30.

### 4. ACTION REQUESTED

PAP is requested to consider and comment the proposed IALA Standard plan and mapping of Recommendations and Guidelines.