Input paper: [[1]](#footnote-2) ENAV27-8.1.0

Input paper for the following Committee(s): check as appropriate Purpose of paper:

**□** ARM **□** ENG **□** PAP **X** Input

**X** ENAV **□** VTS **□** Information

Agenda item [[2]](#footnote-3) 8.1

Technical Domain / Task Number 2 …………………………………

Author(s) / Submitter(s) Jillian Carson-Jackson, Chair, ENAV WG2

ENAV WG2 Intersessional Meetings (ENAV26-ENAV27)

# Summary

Participants to ENAV26 were invited to note the proposed intersessional activity to progress work on key tasks identified under the work programme for WG2 – Emerging Digital Technologies:

* Draft Recommendation and Guideline on IMT (International Mobile Technologies) (formerly referenced as 3GPP) (one session) (related to tasks: 2.2.10, 3.4, and 3.4.8)
* Draft Recommendation and Guideline on MASS (two sessions) (related to tasks: 4.1.1, 4.1.2 and 4.2.1)

## Purpose of the document

Members of the ENAV Committee are invited to note the outcome of the intersessional work on these items, which will be further reviewed at ENAV27. It is anticipated that each of the tasks will be completed to the expected output from the ENAV Committee at ENAV27, noting the implications of both of these activities for the broader work of IALA.

Specifically, it is proposed that:

* Draft Recommendation and Guideline on IMT (formerly 3GPP) be provided to IALA Secretariat for further consideration and distribution as may be required.
* Draft Recommendation and Guideline on MASS be provided to IALA Secretariat for further consideration and distribution as may be required, including as input to the IALA MASS Workshop, to be held virtually in May 2021.

## Related documents

IALA Committees work programme: ENAV24-7.1 and ENAV Committee Task List: ENAV26-6.0.2

IMT documents: draft recommendation and guideline: ENAV26-5.1.2; ENAV26-5.1.3

MASS documents: draft recommendation and guideline: ENAV26-5.1.1.5; ENAV26-5.1.1.6; with reference documents: ENAV26-8.1.1; ENAV26-5.1.1.2; ENAV26-5.1.1.3; ENAV26-5.1.1.4

# Background

The IALA Committee work program for 2018-2022, as detailed in the task list for the ENAV Committee, included tasks related to:

* Provide liaison on 3GPP to IMO and the development a recommendation on digital information services in coastal areas vie public correspondence channels. This has led to the development of liaison on 3GPP to IMO and to 3GPP as required as well as a draft Recommendation and Guideline on IMT (International Mobile Telecommunications).
* Monitor and report on emerging technologies that could be applicable to MASS and develop an IALA position paper on MASS. This has led to the development of a draft Recommendation and Guideline on MASS, with a focus on technologies that may be suitable to support MASS considering related documents on this within IALA.

Outputs are being developed in consultation with IALA ENAV Chair, ENAV Vice-Chair and IALA Secretariat. The output from each task will be provided through IALA for broader distribution as appropriate.

# Discussion

To progress the work on each of the tasks intersessional work was carried out. All documents are provided on the IALA fileshare, along with reference folders for supporting documentation.

## IMT (formerly 3GPP)

At ENAV26 it was highlighted that the development of 3G, 4G and 5G are identified through the ITU under the heading ‘IMT’ (International Mobile Technologies) while the discussions with the IMO has referred to the 3GPP terminology of 4G, LTE and 5G. To reflect the broader international terminology the title of the draft IALA document was revised to IMT, rather than 3GPP.

One intersessional meeting was held on 16 December 2020, with 15 Participants. The results of the intersessional meeting are provided to ENAV27 for further development.

## MASS

Two intersessional meetings were held: one on 15 December 2020 with 16 Participants and one on 9 February 2021 with 7 participants.

During the intersessional meetings the focus for the document was clarified within the broader context of the IALA activity on MASS across multiple committees. The concept of ‘levels of autonomy’ were discussed, noting work done in other industries including aeronautical and road transportation. The intersessional meeting noted the work done in the aviation environment to identify the ‘category’ of airport to support non-precision and different levels of precision approaches, based on the types, accuracy, reliability and redundancy of the aids to navigation provided.

With a focus on the IALA membership, it was noted that the provision of aids to navigation to support MASS would require robust, reliable, and redundant communications and that information to be provided should be identified against specified criteria.

The results of the intersessional meeting are provided to ENAV27 for further development.

# References

1. As provided in the reference folder on IALA fileshare

# Action requested of the Committee

The Committee is requested to

1. Note the outcomes of the intersessional work on IMT and MASS
2. Provide comments to ENAV27 as appropriate.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-2)
2. Leave open if uncertain [↑](#footnote-ref-3)