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Author(s) / Submitter(s) Manuel Lopez (EUSPA), Raúl García (ESSP), Jose Luis Martín (ESSP),

Javier Esteban (ESSP)

Proposal for Maritime webinar of SBAS in the IALA Academy

# Summary

The webinar “SBAS for Maritime” has been prepared by EUSPA and ESSP, aiming to contribute, as a source of technical knowledge, to the benefit of the IALA members.

In terms of content, the present Information paper describes the goal and content of the webinar, the value proposition for the IALA members, and the approach proposed for its distribution and potential integration within the IALA educational resources, aiming to make the most of it from the technical content provided.

## Purpose of the document

The purpose of the document is to inform the committee about the following:

* To inform about the preparation of the webinar’s content on SBAS for Maritime, which after review and agreement with IALA will be agreed upon on a date to be officially published by the IALA Academy, together with a separate Q&A session (Questions and Answers)
* Afterwards, the webinar will be publicly available to be consumed offline through the IALA Academy.
* The content of the webinar is also proposed for consideration to be included as part of the material that could be used by IALA for the provision of the upcoming courses for AtoN Manager & AtoN Technician.

# Background

IALA has been working for quite long time in the introduction of SBAS in the Maritime domain as stated in several of the documents already developed, for instance the World Wide Radio Navigation Plan (WWRNP), the NAVGUIDE, the G1129 for the retransmission of IALA corrections, the G1152 for the Maritime Service, G1180 for Resilient PNT and the G1117 for VHF Data Exchange System.

Complementary, the use of SBAS in Maritime will be also enhanced taking the momentum of the European SBAS initial service provision for Maritime recently declared in March 13th of this year (https://www.euspa.europa.eu/newsroom/news/euspa-egnos-safety-life-assisted-service-maritime-users).

# Discussion

IALA members interested in this webinar are kindly invited to request further information and follow-up the timeline of the webinar publication and provision.

# SBAS for maritime webinar

## Webinar’s Goal and Table of Content

The goal of the webinar prepared by EUSPA and ESSP, informed to the IALA committee through the present information paper, is to provide the users with a general overview of the SBAS systems and Services in the maritime context aiming to upgrade their knowledge in positioning and navigation and enriching their technical background and/or maritime skills.

The specific content includes the following aspects:

1. Users and regulatory context overview in relation to the current status of GNSS and Augmentation systems (SBAS in particular for this webinar)
2. A general overview of a selection of key documents about users and regulatory context, particularly those related to GNSS and SBAS in the maritime domain.
3. IALA SBAS Guidelines
4. A brief overview of IALA Guidelines related to SBAS, covering the SBAS section of the NAVGUIDE, G1129 for the retransmission of SBAS Corrections, G1152 for the SBAS Maritime Service, G1180 for Resilient PNT and the G1117 for VHF Data Exchange System
5. Overview of the SBAS Systems & Services
6. A general overview of the SBAS systems and services will be provided, considering a global perspective.
7. European approach for SBAS in Maritime
8. A general overview of the European SBAS will be provided, including the system and the service (ESMAS).
9. Details on European SBAS performance parameters
10. Explanation of the scheme proposed for the European SBAS service provision in the maritime segment in Europe, including two approaches: SBAS data via Signal In space and/or via AtoN retransmission.
11. Overview of the European SBAS Maritime Service: service definition, features and commitments, typical performance, etcetera.
12. The Future perspective.
13. A glimpse of the future benefits expected from the SBAS Dual Frequency Multi Constellation.

## Value proposition for the IALA members

The asset for IALA in the present webinar is putting in value all the effort invested over the years and the valuable content generated in the field of maritime Navigation, showcased by means of the IALA guidelines as reference material specifically mentioned in a dedicated module, and complementary to the SBAS systems as a general message for the webinar.

In parallel the webinar can efficiently complement the educational programme of the IALA Academy, providing technical details about the SBAS systems and services, with special focus on the Maritime applications, keeping a general informative approach to the users.

## Distribution approach

The proposed approach is, firstly, to present this information paper to the IALA members for their consideration. Then, to agree with the IALA Academy on the planning to publicly release the webinar through the IALA Academy, together with the already existent webinars dedicated to the IALA members, as well as scheduling the Q&A session(s). At the second stage, the webinar content is proposed to be included as part of the upcoming courses for AtoN Manager & AtoN Technician to be provided by IALA.

# References

1. IALA World Wide Radio Navigation Plan, <https://www.iala-aism.org/product/iala-world-wide-radio-navigation-plan/>
2. IALA Guidelines 1152, <https://www.iala-aism.org/product/g1152/>
3. IALA Guidelines 1180, <https://www.iala-aism.org/product/g1180/>
4. IALA Guidelines 1129, https://www.iala-aism.org/product/g1129/
5. IALA Guidelines 1117, <https://www.iala-aism.org/product/g1117/>
6. IALA NAVGUIDE, https://www.iala-aism.org/product/m0001/

# Action requested of the Committee

The Committee is kindly invited to take note of webinar proposed and its forthcoming provision and availability.

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