Input paper: [[1]](#footnote-1) ENAV21-13.6

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-2) 13

Technical Domain / Task Number 2 3.1.5

Author(s) / Submitter(s) José Manuel Álvarez

**WG5 (PNT)**

**Intersessional meeting**

**- Finalizing Guideline on the Maritime use of SBAS -**

# OverView

On the 27th-28th June 2017, an intersessional WG 5 meeting was held in Madrid at Puertos del Estado facilities to continue working on the draft *“Guideline on the maritime use of SBAS”.*

The main goal of the meeting was to progress on the SBAS guidelines in order to have a document mature enough to be proposed for approval by the IALA Council in the next IALA ENAV21 meeting.

With the apologies of the WG5 Chair, Dr. Alan Grant, the group was chaired by Mr. Michael Hoppe and hosted by Mr. Juan Francisco Rebollo (Puertos del Estado).

The meeting was attended by 10 IALA members:

* Michael Hoppe (WSV), Germany
* Juan Francisco Rebollo (Puertos del Estado), Spain
* Sebastian Espinar (Puertos del Estado), Spain
* Manuel López ( GSA), Czech Republic
* Bjornar Kleppe (Norwegian Coastal Administration), Norway
* Leroy Etienne (CEREMA), France
* José Manuel Alvarez (ESSP), Spain
* Jorge Morán (ESSP), Spain
* Cato Eliassen (Kongsberg), Norway
* Miguel Odriozola Olavarría (GMV), Spain

# MEETING summary

The intersessional WG5 reviewed the latest version of the document including the implementation of the outcomes from IALA ENAV20 and the WG5 comments. The document was reorganized to keep the guidelines more concise.

Notably, the following work was conducted:

* Section 2. “scope” reviewed and updated
* Section 3. “Description of SBAS” was reorganized focusing the content in the SBAS SiS and SBAS data via AtoN.
  + SBAS based architectures moved to Annex A
  + SBAS SiS and messages moved to Annex B
  + Existing SBAS coverage and performance information refined and moved to annex C
  + SBAS future developments and trends moved to annex D
* Section 4. New section added describing the ”SBAS Benefits and limitations for the SBAS use via AtoN”
* Section 5. “Potential use of SBAS in maritime” section reorganized considering:
  + SBAS over DGNSS messages ( IALA Beacon)
  + SBAS over Automatic Identification System (AIS)
* Section 6. New section added to address the “Operational Aspects”. Former “Prerequisites for the Adoption of EGNOS” and “Conclusions” sections removed.

The guidelines were reviewed in detail by the attendees with the intention to produce a very mature document for the IALA ENAV WG5 final review. The final goal is to propose the document for approval by the IALA Council in the next IALA ENAV21 meeting.

# Actions

* Mr. José Manuel (ESSP) to produce the latest draft to be provided to the WG5 chair, Dr. Alan Grant (GLA) before end of July 2017
* Mr. José Manuel (ESSP) to Submit the final draft as an input document to ENAV21 (Mid-August 2017)
* Mr. Michael Hoppe (WSV) to liaise with Mr. Stephan Bober (WSV) to include the main VDES references (according to the current work in progress in WG3) regarding the communication channels in VDES allowing to broadcast SBAS corrections in RTCA format. In case of a lack of reference in this aspect a liaison note from WG5 to WG3 should be considered by the WG5.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Input papers should be assigned to a work task as listed in the Committee work plan which is available in input papers. Leave open if uncertain but consider how the paper is to be processed if not relevant to a work task [↑](#footnote-ref-2)