Input paper: [[1]](#footnote-1) ENAV18-11.14

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

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

**⌧** ENAV **□** VTS **⌧** Information

Agenda item [[2]](#footnote-2) 11

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

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SBAS experts revision of Draft Guidelines on User Requirements for VDES

# Summary

This input paper provides the SBAS experts revision of the Draft Guidelines on User Requirements for VDES, in particular section 3.2.5. (Scenario - GNSS Augmentation (UC-2.5)).

# Background

ENAV Liaison Note ENAV17-14.1.11 [1] requested feedback on the Draft Guidelines on User Requirements for VDES that is being developed by the ENAV Committee (WG3). In particular, experts in PNT were specifically requested to review section 3.2.5 describing the GNSS Augmentation Scenario.

# Discussion

SBAS experts considered the request from ENAV17 to review section 3.2.5. in the guidelines and provide comments. These experts reviewed the output version of the draft guidelines modified during the IALA Workshop on Development of VDES held in Tokyo (Japan) from 15th to 19th February 2016 [2].

## Feedback to the Draft Guidelines on User Requirements for VDES

The SBAS experts consider that this updated version of the document has been greatly improved and agree with the changes introduced in the draft guidelines during the last VDES Workshop.

In line with the last changes included in the document, the SBAS experts propose to consider the following modifications to the text:

1. In section 3.2.5.1 (Narrative for Scenario)

* *Information may be provided using existing formats (for example: RTCM, RTCA,…).*

1. in section 3.2.5.2 (Requirements) of the draft guidelines:

* *Communications - an external application layer provides the ability to provide GNSS augmentation correction information ~~from a shore authority~~ (shore to ship).*
* *Interface – the VDES shall accept input from external systems*

*For example - base information on the vessel (e.g. MMSI, IMO number); position data, integrity and timing data from World Wide Radionavigation System (including GNSS, GNSS augmentation and terrestrial back-up)*

* Interface – the VDES shall output information in a format compatible with external systems for ~~display of information~~ computation of a GNSS augmented navigation solution as per applicable standards and for display of information.

# References

1. enav17\_14\_1\_11\_liaison\_note\_re\_draft\_guideline\_on\_vdes\_user\_requirements\_post\_plenary
2. VDES1-2.5 Draft IALA Guideline on VDES User Requirements -- WG2-clean

# Action requested of the Committee

The Committee is requested to note the outcomes of the SBAS experts’ review of the draft guidelines on User Requirements for VDES.

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