 Input paper: [[1]](#footnote-1) ENAV18-13.17.1

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

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

**x** ENAV **□** VTS **x** Information

Agenda item [[2]](#footnote-2) 13

Technical Domain / Task Number 2 3.1.7 (Techniques used for onboard PNT data processing)

3.1.11 (Monitoring of developments in GNSS, DGNSS, …resilient PNT…)

Author(s) / Submitter(s) E. Engler, M. Hoppe, J. Ritterbusch

WG5 – PNT

Information paper

Update of status information regarding development of associated guidelines for shipborne Position, Navigation, and Timing (DATA PROCESSING) Unit

# Summary

The development of Guidelines for onboard PNT data processing is a planned output in the high-level action plan of IMO’s Maritime Safety Committee and should be finalized until 2017 (MSC 95/22/Add.2). These Guidelines have been identified as supplementary and necessary step towards resilient provision of PNT data and integrity information. The paper attached in the annex is the current draft of Guidelines for onboard PNT data processing used as input paper to NCSR3 (NCSR 3/8). Furthermore NCSR3 decided to establish a Correspondence Group under coordination of Germany to force the development and harmonization of these Guidelines (NCSR 3/WP.1).

## Purpose of the document

Purpose of this paper is to inform about the current status of guideline developments and the achieved progress covering e.g.

* specification and scaling of requirements on onboard provision of PNT data and associated integrity information
* modular functional architecture on onboard PNT data processing
* elaboration of used and usable PNT-relevant sensors and services
* …

Due to guidelines’ relevance for need and operation of PNT relevant services (radionavigation, augmentation, monitoring) the e-Navigation Committee will be informed about the development of these guidelines. The provision of information is associated with task 3.1.11 of IALA ENAV Committee Work Plan dealing with the monitoring of PNT-relevant developments. Furthermore the task 3.1.7 is suitable to act as framework for IALA’s contributions to these guidelines.

## Related documents

* MSC 95/22 Report of the Maritime Safety Committee on its 95th Session
* NCSR 3/WP. 1 DRAFT REPORT TO THE MARITIME SAFETY COMMITTEE
* NCSR 3/8 as annex ENAV18-13.17.2
* ENAV Committee Work Plan 2014-2018 (ENAV18-7-2)
* ENAV Work Programme task register (ENAV18-7-1)

# Action requested of the Committee

The Committee is requested to:

1. note the information provided,
2. and coordinate all IALA activities within work item 3.1 contributing to guideline developments.

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