 Input paper: [[1]](#footnote-1) ENAV17-13.8.1

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

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

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

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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

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 has been identified as supplementary and necessary step towards resilient provision of PNT data and integrity information. Consequently, this working task is anchored as 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). Germany has established an open working group (WG) under coordination of the Maritime and Hydrographic Agency on behalf of the German Ministry of Transport and has invited interested parties and other member states for support and contribution to promote the development of guidelines.

The paper attached in the annex informs about the current draft of Guidelines for onboard PNT data processing (Issue 1 of 31st July 2015) used as initial point for further discussions and developments.

## Purpose of the document

Purpose of this paper is to inform about the current status of guideline developments identified as necessary mean for the further enhancement of the maritime PNT system. Aim of these guidelines is to define the major principles and functions of onboard data processing taking into account differences in requirements and pointing out dependencies on technical and functional system architecture. Within this development process the need for sensors and services should be clarified and a standardization of the PNT output data and integrity information will be achieved.

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 2/7/1
* ENAV Committee Work Plan 2014-2018 ENAV17-7.2 (formerly ENAV 16-14.1.19)
* ENAV Work Programme task register ENAV17-7.1 (formerly ENAV 16-14.1.20)
* Publication submitted to Maritime Traffic Conference 2015 (see annex)

# Action requested of the Committee

The Committee is requested to:

1. note the information provided,
2. support the developments of these guidelines;
3. 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)