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

**□** ARM X ENG **□** PAP X Input

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

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

Author(s) / Submitter(s) China MSA

Working Draft of Guideline on GNSS Satellite-based Precise Point Positioning (PPP) Maritime Service

1. **summary**

Based on the discussion at ENG 18 meeting and the feedback from the offline communication group, China MSA has revised the working draft of Guideline on GNSS Satellite-based Precise Point Positioning (PPP) Maritime Service for further consideration under ENG 19.

## Purpose of the document

The purpose of this document is to propose a working draft of guideline on GNSS Satellite-based Precise Point Positioning (PPP) Maritime Service. It provides an introduction of the GNSS Satellite-based PPP service, and describes the service parameters to characterize GNSS satellite-based PPP service for maritime use, and gives suggestions on the GNSS satellite-based maritime application scheme.

1. **BACKGROUND**

At ENG 17, China MSA proposed a new work item of development of guideline on GNSS Satellite-based Precise Point Positioning (PPP) Maritime Service and the IALA Council in mid-December 2023 approved to add this new work item for work programme 2023-2027. At ENG 18, the input ENG 18-3.2.2.1 on the development of Guidelines on GNSS Satellite-based Precise Point Positioning (PPP) Maritime Service During ENG 18, the whole structure and chapter 1,2 were discussed. Further details were added to chapter 3. The work on the draft guideline is planned to be continued during ENG19 by the task group.

1. **DISCUSSION**

Revisions of the working draft guideline:

* Revise and improve Chapter 3;
* Modify chapters 1 to 6 based on the suggestion at ENG 18.

1. **PROPOSAL**

It is proposed that the ENG Committee continue to revise the guideline on GNSS Satellite-based Precise Point Positioning (PPP) Maritime Service based on the working draft guideline submitted by China MSA.

1. **Reference**
2. IALA Guidelines 1127, SYSTEMS AND SERVICES FOR HIGH ACCURACY POSITIONING AND RANGING
3. **Action requested of the Committee**

The Committee is requested to consider the Working Draft of Guideline on GNSS Satellite-based Precise Point Positioning (PPP) Maritime Service and jointly supplement contents of the guideline.

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