

Liaison Note to RTCM

IALA response to RTCM Liaison Note on SC-104 & SC-134 activities

1 INTRODUCTION

RTCM sought the advice and comment from IALA in relation to the development of its RTCM 10402.4 Recommended Standards for Differential GNSS (Global Navigation Satellite Systems) - referred to as RTCM DGNSS broadcast standard v2.4.

RTCM invited IALA to comment on the following:

- 1 To consider if the proposed update [to the broadcast standard] would meet the needs of the current and future IALA radiobeacon services.
- 2 To provide any comments on the future of the IALA radiobeacon service.
- 3 To invite IALA to provide an update to ITU-R M.823 reflecting changes to Message Type 27.

Further to our liaison note (dated 19/12/2019) IALA has now held a workshop on the future of marine radiobeacon DGNSS (27th-31st January, Edinburgh, UK) and is now able to answer the questions above.

2 DISCUSSION

Q1 - IALA's view on the update and whether the changes meet the needs of current and future services.

The introduction of new generic correction messages will allow the system to grow to include other GNSS now available to support maritime navigation and positioning. The retirement of GLONASS corrections could lead to some concerns for users that currently provide such corrections. In order to review the changes in more detail, IALA kindly requests an advance copy of the content of these messages in addition to their headings. In addition to the changes to the broadcast standard, can RTCM provide guidance on whether the RSIM standard will be updated along similar lines and a timeframe for the intended publication of both documents?

Q2 - IALA's comments on the future of the IALA radiobeacon service.

At the IALA workshop on the future of marine radiobeacon services held earlier this year, it was clear that while a number of administrations have decided to close their marine radiobeacon DGPS network, many others plan to continue their services; recognising that some administrations are considering the most appropriate approach for their waters and that new stations are still being introduced. The overall consideration was that marine radiobeacon differential GNSS will be available for some years to come. A copy of the report is available on the IALA web site: <https://www.iala-aism.org/product/report-of-the-iala-workshop-on-the-future-of-marine-radiobeacon-dgps-dgnss/>

Q3 – IALA support to update ITU-R M.823

An update to ITU-R M.823 is on the IALA ENG work plan as a task to be addressed. This update is currently on hold awaiting publication of the new RTCM 2.4 standard so that one update can be effected rather than making several revisions.

3 ACTION REQUESTED

The RTCM is requested to:

- 1 Provide an advance copy of RTCM 2.4 standard when available in order for IALA to consider the impact of the changes in more detail.
- 2 Inform IALA about future updates on the RSIM standard.