

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 (ENG-10.3.1.24).

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.

IALA will be hosting a workshop (27th-31st January, Edinburgh, UK), on the future of marine radiobeacon DGNSS and expects the discussions and findings of this workshop to influence the IALA response to the points raised by RTCM. As such, IALA plans to respond to these points after the workshop, as an output of the next IALA ENG Committee in April 2020. IALA would welcome RTCM representation and participation at this important workshop.

IALA welcomes the opportunity to provide an update on R-Mode, a terrestrial positioning system achieved by adding a timing signal to existing maritime infrastructure, including marine radiobeacons. IALA would be willing to attend a future RTCM SC104 meeting to provide a verbal update or provide an input paper, depending on personnel arrangements.

IALA also welcomes the offer of greater collaboration between the IALA ENG Committee and RTCM Special Committee 134 on integrity for high accuracy GNSS-based applications. IALA invites RTCM to participate in the next IALA ENG Committee (27th April- 1st May 2020, Brazil).

2 Action requested

The RTCM is requested to:

1. Note the time and date of the planned workshop, with a view of attending if possible.
2. Note that IALA would welcome the opportunity to provide an update to RTCM (SC-104) on R-Mode, either by attending a RTCM (SC104) meeting or providing an input paper.
3. Present their work or provide an input paper at the next ENG Committee meeting (ENG11, April 2020, Salvador, Brazil).