

Liaison Note to RTCM

The RTCM 10402.3 amendment

1 INTRODUCTION

IALA would like to express their appreciation for the continued support from RTCM in maintaining the RTCM 10402.3 standard and thank RTCM SC-104 for the Liaison note ref 2025-SC104-1474.

IALA takes note of the information provided in the Liaison note.

2 Discussion

IALA welcomes the opportunity for rapid implementation of the proposed R-Mode extension through introduction of Amendment 2 to the existing RTCM 10402.3 standard. IALA members which are involved in the test beds in the waters of the Republic of Korea and the Baltic Sea will share results of tests with the proposed R-Mode extension of the RTCM 10402.3 standard when they are available.

For the test bed in the Baltic Sea the implementation of the proposed R-Mode navigation message is planned for summer 2026. First results of using it will be available in autumn 2026. They will be shared with RTCM. Tests in the waters of the Republic of Korea have already been completed, and results will be shared with RTCM together with those from the Baltic Sea.

With respect to support for differential corrections for Galileo, BDS, IRNSS and QZSS, IALA acknowledges the response from RTCM informing of the decision not to proceed with the generic multi-constellation, multi-frequency messages previously proposed in the draft RTCM 10402.4 standard.

IALA takes note of the RTCM plan for a future RTCM 10402.4 standard, which is to delete messages from RTCM 10402.3 that are currently not used, and to consider adding a new Integrity Support Message (ISM).

3 ACTION REQUESTED

RTCM is requested to:

- note that IALA will provide the requested information from the MF R-Mode test beds in the Baltic Sea and waters of the Republic of Korea when it is available. This is expected to be available at the IALA ENG October meeting 2026.