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Space - SBAS receivers performances for maritime applications - MARESS Test report

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Espace - Performances des récepteurs SBAS pour les applications maritimes - Rapport d'essais MARESS

Raumfahrt - Leistung von SBAS-Empfängern für maritime Anwendungen - MARESS-Testbericht

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CEN/TR 18104:2024 (E)

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European foreword

This document (CEN/TR 18104:2024) has been prepared by Technical Committee CEN/JTC 5 “Space”, the secretariat of which is held by BNAE.

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CEN/TR 18104:2024 (E)**Introduction**

This technical document MARESS D2.2 has been prepared by European Satellite Services Provider (ESSP) in the scope of MARitime Receiver SBAS Standardization (MARESS) project to support International Standard IEC 61108-7 for SBAS receiver equipment. The purpose of this document is to present it in CEN/CENELEC JTC5/WG8 working group to support standardization process within IEC technical committee 80: Maritime navigation and radiocommunication equipment and systems.

Note at the time of the Publication: The outcome of this report has been already considered in the development of the IEC 61108-7 standard. This implies that these results are obsolete since in the current version of the IEC 61108-7 some requirements and tests have been updated.

1 Scope

The objective of this document is to present the results of the tests defined in the IEC 61108-7 draft [1] performed with a maritime receiver updated based on the SBAS maritime guidelines [2] and other GNSS SBAS receivers.

The list of test scenarios prepared, the receiver analysed, the configuration used and procedures are included in Clause 4. In Clause 5, graphical and numerical results for each of the test performed are presented, including if the tests are passed or failed. Annex A provides additional information on the test case setup.

2 Normative references

There are no normative references in this document.

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