

# INTERNATIONAL STANDARD

## AMENDMENT 1

**Maritime navigation and radiocommunication equipment and systems – Class B shipborne equipment of the automatic identification system (AIS) – Part 1: Carrier-sense time division multiple access (CSTDMA) techniques**

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## FOREWORD

This amendment has been prepared by IEC technical committee 80: Maritime navigation and radiocommunication equipment and systems.

The text of this amendment is based on the following documents:

CDV	Report on voting
80/680/CDV	80/695/RVC

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

## INTRODUCTION to Amendment 1

This amendment clarifies the conditions required for input of external GNSS position, the associated tests and required results.

### 6.3 GNSS receiver for position reporting

*Replace the first bullet and text by the following:*

- datum information is received which indicates that the WGS-84 datum is in use;

*Replace the third bullet and text by the following:*

- internal position is available and the external position is within 26 m of the internal position, and

#### 10.6.1.3.2 Method of measurement

*Replace the entire existing text of this subclause by the following text:*

Set up standard test environment and operate EUT in autonomous mode.

- a) Apply external position data with expected error <10 m (from GBS sentence) and within 26 m of internal position.

- b) Simulate unavailable/invalid external sensor data and missing/incorrect checksum.
- c) Apply a non-WGS-84 position input.
- d) Apply an unspecified (no DTM) position input.
- e) Apply a low accuracy position input with expected error >10 m or without RAIM information (no GBS).
- f) Apply position data with more than 26 m apart from internal position.
- g) Disconnect the internal GNSS antenna, or otherwise disable the internal GNSS receiver.

Record all messages on VDL and check the contents of position report Message 18 for position and COG/SOG.

#### 10.6.1.3.3 Required results

*Replace the entire existing text of this subclause by the following text:*

The following results are required.

- a) Data transmitted by the EUT complies with external sensor inputs.
- b), c), d), e), f), g) External data is not used.

In all cases, confirm that accuracy and RAIM flags are set accordingly; confirm that position and COG/SOG are of the same source.

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Withdrawn