



National Marine Electronics Association

International Marine Electronics Alliance

Technical Bulletin

Amendment to NMEA0183 Version 4.10
AT 0183 20160520TXT

NMEA 0183 Amendment

An amendment is a technical specification that is publically available.
This amendment applies to the NMEA Version 4.10 that was published June 2012.
This amendment will remain in force until the contents are incorporated into the next version of the NMEA 0183 standard.

This document contains the final approved NMEA 0183 sentence for:
This amendment provides further clarification of the use of the TXT sentence in the TXT Sentence description. The sentence description and structure are provided for context, no changes were made to the sentence structure or data field notes.

New text is identified in **red bold**.

This Amendment had been reviewed and approved by NMEA.

TXT – Text Transmission

For the transmission of short text messages, longer text messages may be transmitted by using multiple sentences. **This sentence is intended to convey human readable textual information for display purposes.**

The TXT sentence shall not be used for sending commands and making device configuration changes. Specific methods have been designed and developed for this purpose; see “Section 5.3.7 Command Sentences.”

```

$--TXT,xx,xx,xx,c-c*hh<CR><LF>
  |  |  |
  |  |  └─ Text message3
  |  └─── Text identifier2
  └────── Sentence number1, 01 to 99

```

Total number of sentences¹, 01 to 99

Notes:

- 1) Text messages may consist of the transmission of multiple sentences all containing identical field formats when sending a complete message. The first field specifies the total number of sentences, minimum value 1. The second field identifies the order of this sentence (sentence number), minimum value 1. For efficiency it is recommended that null fields be used in the additional sentences when the data is unchanged from the first sentence.
- 2) The text identifier is a number, 01 to 99, used to identify different text messages.
- 3) ASCII characters, and code delimiters if needed, up to the maximum permitted sentence length (i.e., up to 61 characters including any code delimiters).

For Example: A GPS receiver sends a text alarm message (message ID 25, DR MODE - ANTENNA FAULT!) upon reverting to dead-reckoning mode due to an antenna fault. (note; the use of “^21” to indicate “!”, (See Section 5.1.3).

```
$GPTXT,01,01,25,DR MODE - ANTENNA  
FAULT^21*38<CR><LF>
```