



National Marine Electronics Association
International Marine Electronics Association

Technical Bulletin

0183 0910 01
NMEA 0183 ver. 4.00 TAG Block Errata

Introduction:

Five corrections have been identified in NMEA 0183 ver. 4.00 within the specifications of TAG Block methods described in Sections 7 and 10. The following corrections are intended to ensure consistency across TAG Block sections, clarify application of multiple TAG Blocks, improve error detection, and better explain the application of the TAG Block Line Count Parameter Code “n”. Modifications are identified below in **bold underlined text**.

CORRECTION #1
Section 7.4.3 TAG Block “line”

Replace the following paragraph

A TAG Block “line” is only valid when either a <CR><LF> immediately follows the last TAG Block closing “\” symbol, or when a valid NMEA 0183 sentence immediately follows the TAG Block closing “\” symbol. TAG Blocks are linked with a sentence when no <CR><LF> or any characters separate the TAG Block and sentence.

With

A TAG Block “line” is only valid when either a <CR><LF> immediately follows the last TAG Block closing “\” symbol, or when a valid NMEA 0183 sentence immediately follows the **last** TAG Block closing “\” symbol. TAG Blocks are linked with a sentence when no <CR><LF> or any characters separate the **last** TAG Block and sentence.

CORRECTION #2
Section 7.5 Error Detection

Replace the following statements

The listener calculated exclusive-or checksum of the TAG Block contents does not equal the talker-calculated checksum (*hh).

The character following the TAG Block closing “\” symbol is not a valid start of sentence delimiter or <CR><LF> characters.

With

The listener calculated exclusive-or checksum of the TAG Block contents does not equal the talker-calculated checksum (*hh). **This test applies separately to each TAG Block of a line.**

The character following the **last** TAG Block closing “\” symbol is not a valid start of sentence delimiter or <CR><LF> characters.

CORRECTION #3
Section 7.9.6 Source-identification Parameter – “s”

Replace the following

s: (lower case “S”) source-identification. This parameter is a unique “alphanumeric string” used to identify the talker device or process that originated the linked sentence or sentence group. For an AIS Base Station this is the SID sentence data field, “Unique Identifier”, that represents the system level station identification. Only one source-identification may appear in a TAG Block or the TAG Blocks of a group.

With

s: (lower case “S”) source-identification. This parameter is a unique “alphanumeric string” used to identify the talker device or process that originated the linked sentence or sentence group. For an AIS Base Station this is the SID sentence data field, “Unique Identifier”, that represents the system level station identification. Only one source-identification may appear in a TAG Block. **{REMOVED... or the TAG Blocks of a group}**

CORRECTION #4

Section 7.9.6 Source-identification Parameter – “s”

Delete the paragraph

~~A TAG Block, or the TAG Blocks of a group, shall contain only one source identification.~~

CORRECTION #5

Section 10.1 Approved Tag Block Parametric Formatters

CPN – Configure Parameter-code for the Line-count Parameter (n)

Replace the following

Enabling this parameter-code talker:

(1) causes a TAG Block containing this parameter-code to be linked to each talker sentence,

(2) for different talker sentences linked using “sentence-grouping,” the grouped TAG Blocks (having the same “group-code” value) need only contain a single occurrence of this parameter-code. (See Section 7.13)

With

Enabling this parameter-code talker causes a TAG Block containing this **(n)** parameter-code to be linked to each talker **line or** sentence.

End of # 0183 0910 01
NMEA 0183 ver. 4.00 TAG Block Errata