



**National Marine Electronics Association
International Marine Electronics Alliance
Technical Bulletin
Technical Errata TE# 2000 20160828
NMEA 2000 Message Database
Data Dictionary Item # 22, Latitude, WGS-84
Data Dictionary Item # 23, Longitude, WGS-84**

NMEA 2000 Edition 3.101 February March 2016

NMEA Message Database Version 2.000 January 2013 and Version 2.100 February 2015

Introduction:

This Technical Errata (TE) details an editorial error in the NMEA 2000 Message Database Version 2.000 – January 2013, and Version 2.100 - February 2015 regarding Data Dictionary Items #22, and #23 definition.

The editorial error text is highlighted and struck out in **red** below. The effected PGNs are listed in the table below.

Data Dictionary Item #22, Latitude, WGS-84, Definition:

Latitude referenced to WGS-84. ~~The resolution of the latitude and longitude fields shall be fixed at 1 decimal place of minutes (1/10 of a minute). If a higher resolution is provided to an AIS unit, the receiving AIS unit shall truncate to 1/10's of minute.~~

Data Dictionary Item #23, Longitude, WGS-84, Definition:

Longitude referenced to WGS-84. ~~The resolution of the latitude and longitude fields shall be fixed at 1 decimal place of minutes (1/10 of a minute). If a higher resolution is provided to an AIS unit, the receiving AIS unit shall truncate to 1/10's of minute.~~

This struck out text will not appear in the next published Version of the NMEA 2000 Edition and a new Version of the NMEA 2000 Message Database.

This correction shall take effect immediately and is retroactive to the publication date of the NMEA 2000 Message Database Version 2.000 – January 2013.

Note: Regarding PGN 129806, AIS Channel Management; Fields 12, 13, 14 and 15 represent a geographic area and not a vessel position. These latitude and longitude values are constrained to 1/10 of a minute resolution in accordance with the PGN data field note which takes precedence over the data dictionary item definition. The editorial correction removes duplicate text from the data dictionary items in these fields and does not alter or change the implementation of this PGN

PGN number	PGN Name	Latitude Position Field #	Longitude Position Field #
127233	Man Overboard Notification (MOB)	10	11
129025	Position, Rapid Update	1	2
129038	AIS Class A Position Report	5	4
129039	AIS Class B Position Report	5	4
129040	AIS Class B Extended Position Report	5	4
129041	AIS Aids to Navigation (AtoN)	5	4
129285	Navigation - Route/WP information	12	13
129792	AIS DGNSS Broadcast Binary Message	8	7
129793	AIS UTC and Date Report	5	4
129798	AIS SAR Aircraft Position Report	5	4
129806	AIS Channel Management	See note above	See note above
129808	DSC Call Information	11	12
129813	AIS Long-Range Broadcast Message	6	5
130067	Route and WP Service - Route - WP Name & Position	8	9
130320	Tide Station Data	6	7
130321	Salinity Station Data	5	6
130322	Current Station Data	6	7
130323	Meteorological Station Data	5	6
130324	Moored Buoy Station Data	5	6
