



National Marine Electronics Association
International Marine Electronics Alliance

Technical Bulletin

Amendment to NMEA 2000 Main Document Version 2.000
December 2014
Section 2.4.7.6

AT 20190624Main

NMEA Amendment

An amendment is a technical specification that is publicly available and applies to the current version as specified. The content of the amendment will be incorporated into the next released version of the NMEA 2000 Standard.

This document adds the requirement to Section 2.4.7.6 that the calculation of the Load Equivalency Number (LEN) for manufacturers' devices shall be at an operating voltage of 9 VDC. This additional requirement was approved by the NMEA 2000 Technical Standards Committee. **This amendment is effective immediately.**

This represents current language.

2.4.7.6 The manufacturer shall specify the power rating for each connected Node as a "load equivalency number" for use in planning network installations. One Network Load is defined as 50 mA or any portion thereof (e.g., a device taking 51 mA from the network power bus is a Two Network Load device).

Section 2.4.7.6 of NMEA 2000 Main Document Version 2.000 is as follows:
This represents the additional requirement for Section 2.4.7.6 in **red** below:

2.4.7.6 The manufacturer shall specify the power rating for each connected Node as a "load equivalency number" for use in planning network installations. One Network Load is defined as 50 mA or any portion thereof (e.g., a device taking 51 mA from the network power bus is a Two Network Load device). **The device calculation of the Load Equivalency Number (LEN) shall be determined based on an operating voltage of 9 VDC. Manufacturers shall annotate that they used 9VDC for their product's LEN calculation in their respective owners' manual, website or other communication medium.**