



Date: August 2005
Ref: NMEA 2000 PGN 059392 ISO Acknowledge

National Marine Electronics Association Errata Sheet

ISO Acknowledge PGN 059392 **has been changed**. The old requirement for the destination address was to be set to the global address of 255. This requirement has been eliminated.

The NMEA Certification Tool Version 1.200 has reflected this change. The current NMEA 2000 Version 1.200 published documentation missed this change.

The NMEA 2000 certification test 3.16.1 validates the requirement that the destination address of PGN 059392 is the specific address of the requesting unit. The response must be directed to the address being ACKed and not to the global address of 255.

Change to NMEA 2000 Main Document Version 1.200

Replace Table 3-1 with the following:

| Table 3-1 ISO 11783-3:1998(E) Requirements | |
|--|--|
| 3.2.2 Reserved Bit | All messages <u>shall</u> set the reserved bit in the CAN ID field to zero on transmit. |
| 3.10.3 Transport Protocol, Connection Management PGN 60416 | Data field Reserve Bits or Reserve Byte(s) shall be filled with ones. i.e. a reserve byte will be set to a hex value of FF, a single reserve bit would be set to a value of 1. |
| 3.10.4 Transport Protocol, Data Transfer PGN 60160 | Data field extra bytes shall be filled with a hex value of FF. |
| Annex C – Communication Mode examples, ACK or NACK requirement | If the PGN in a Command or Request is not recognized by the destination it <u>shall</u> reply with the PGN 059392 ACK or NACK message using a destination specific address. |

Change to the NMEA 2000 Appendix C Certification Criteria and Test Methods Version 1.200

Replace the text in section C.3.16.1.1 with the following:

C.3.16.1.1 Required results:

The DUT, upon reception of the ISO Request PGN 059904 should send back an ISO 059392 Acknowledgement indicating a negative acknowledgement. PGN 059392 must be sent using the destination specific address of the requestor. Anything else or no response constitutes failure of this test.

Change to the NMEA 2000 Appendix B Version 1.200

Replace the description text of PGN 059392 with the following:

ISO Acknowledgment

PGN: 059392

This message is provided by ISO 11783 for a handshake mechanism between transmitting and receiving devices. This message is the possible response to acknowledge the reception of a "normal broadcast" message or the response to a specific command to indicate compliance or failure. The application layer is responsible for determining when this message is desired, outside of network management requirements specified by this standard (e.g. response to ISO Request message). The destination address of this PGN shall always contain a destination specific address.

Note:

Version 1.000 of the NMEA 2000 standard required the destination address to be set to the global address of 255.