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# **MPC 37 Resolution 2 of the 1997 MARPOL Conference Technical Code on Control of Emission of (July 2004) Nitrogen Oxides from Marine Diesel Engines**

## **Chapter 2.3.4**

Chapter 2.3 Procedures for certification of an engine

Chapter 2.3.4 reads as follows:

The shipowner shall have the option of direct measurement of NO<sub>x</sub> emissions during engine operation. Such data may take the form of spot checks logged with other engine operating data on a regular basis and over the full range of engine operation or may result from continuous monitoring and data storage. Data must be current (taken within the last 30 days) and must have been acquired using the test procedures cited in this NO<sub>x</sub> Technical Code. These monitoring records shall be kept on board for three months for verification purposes by the Parties to the Protocol of 1997. Data shall also be corrected for ambient conditions and fuel specification, and measuring equipment must be checked for correct calibration and operation, in accordance with the procedures specified by the measurement equipment manufacturer in the engine's technical file. Where exhaust gas after-treatment devices are fitted which influence the NO<sub>x</sub> emissions, the measuring point(s) must be located downstream of such devices.

Interpretation:

For application of this section it shall be interpreted that any system or procedure utilised to monitor engine NO<sub>x</sub> emissions by the direct measurement method shall meet the requirements of MEPC Resolution 103(49) 'Guidelines for On-board NO<sub>x</sub> Verification Procedure – Direct Measurement and Monitoring Method'.

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Note:

This UI is to be uniformly implemented by IACS Societies from 19 May 2005.

