

MPC 55 (July 2004) Resolution 2 of the 1997 MARPOL Conference Technical Code on Control of Emission of Nitrogen Oxides from Marine Diesel Engines

Chapter 4.3.7

Chapter 4.3.10.6

Chapter 4.4.8

Chapter 4.3 Application of the engine family concept

Chapter 4.3.7 reads as follows:

Before granting an engine family approval, the Administration shall take the necessary measures to verify that adequate arrangements have been made to ensure effective control of the conformity of production.

Chapter 4.3.10 Certification of an engine family

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Chapter 4.3.10.6 reads as follows:

Before granting an engine family approval for new, serially produced engines, the Administration shall take the necessary measures to verify that adequate arrangements have been made to ensure effective control of the conformity of production. This requirement may not be necessary for families established for the purpose of engine modifications on board after an EIAPP Certificate has been issued.

Chapter 4.4 Certification of an engine group

Chapter 4.4.8 Certification of an engine group

Chapter 4.4.8 reads as follows:

The requirements of 4.3.10 apply *mutatis mutandis* to this section.

Interpretation:

For application of these sections it shall be interpreted that the conformity of production scheme would need to demonstrate the following aspects:

- (a) The connection between the NO_x critical component part / ID numbers as proposed for the Engine Family or Engine Group and the drawing numbers (and revision status if applicable) defining those components.
- (b) The means by which the Administration will be able, at the time of a survey, to verify that the drawings used for the production of the NO_x critical components correspond to the drawings established as defining the Engine Family or Engine Group.
- (c) Drawing revision control arrangements. Where it is proposed by a manufacturer that revisions to the NO_x critical component drawings defining an Engine Family or Engine Group may be undertaken through the life of an engine, then the conformity of production scheme would need to demonstrate the procedures to be adopted to cover the cases where revisions (a) will not, or (b) may affect NO_x emissions. These procedures shall cover drawing number allocation, effect on the identification markings on the NO_x critical components and the provision for providing the revised drawings to the Administration responsible for the original Engine Family or Engine Group approval.

Where these revisions may affect the NO_x emissions the means to be adopted to assess / verify performance against the parent engine performance are to be stated together with the subsequent actions to be taken regarding advising the Administration and, where necessary, the declaration of a new Parent Engine prior to the introduction of those modifications into service.

- (d) The implemented procedures that ensure any NO_x critical component spare parts supplied to a certified engine will be identified as given in the approved Technical File and hence will be produced in accordance with the drawings as defining the Engine Family or Engine Group.

It would also be interpreted that all items (a) – (d) are applicable to Engine Family, Engine Group and single engines.

Note:

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

