INTERNATIONAL MARITIME ORGANIZATION

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MARINE ENVIRONMENT PROTECTION COMMITTEE
57th session
Agenda item 4

MEPC 57/4/44
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PREVENTION OF AIR POLLUTION FROM SHIPS

Proposal for an alternative procedure for certification of serially produced engines

Submitted by the European Association of Internal Combustion Engine Manufacturers (EUROMOT)

SUMMARY

Executive summary:	EUROMOT proposed in document MEPC 57/4/43 an alternative and simplified certification procedure for serially produced engines. This document contains a proposal for a new Appendix 2 describing in detail the format of a family EIAPP certificate.
Strategic direction:	7.3
High-level action:	7.3.1
Planned output:	7.3.1.1
Action to be taken:	Paragraph 3
Related documents:	BLG 12/6/8, BLG 12/WP.6; MEPC 57/4/43 and MEPC 57/4/23

1 This document provides comments on MEPC 57/4/23 and is submitted in accordance with paragraph 4.10.5 of the Committees' Guidelines (MSC-MEPC.1/Circ.1) and the relaxed deadline for comments documents on the air pollution item to MEPC 57 with prior authorization of the MEPC Chairman following consultations with the Secretariat in line with paragraph 4.12 of the Committees' Guidelines. The purpose of this document is to present environmental effects on some of the options for new emission limits presented in document MEPC 57/4/23.

2 Referring to EUROMOT's submission MEPC 57/4/43, the proposal aims at serially produced engines and proposes to replace individual engine certificates (EIAPP) for members of an engine family by a family EIAPP certificate. EUROMOT proposes to amend the NOx Technical Code by inserting a new Appendix 2 providing a form of the family EIAPP Certificate. A draft form of a family EIAPP Certificate is set out as annex to this document.

Action requested of the Committee

3 The Committee is invited to consider the alternative certification proposal and take action as appropriate.

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ANNEX

PROPOSED NEW APPENDIX 2 TO THE NOX TECHNICAL CODE

Form of family EIAPP Certificate
(Refer to 2.5.9 of the NOx Technical Code)

FAMILY ENGINE INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE

Issued under the provisions of the Protocol of 1997 to amend the International Convention for the Prevention of Pollution from Ships, 1973, as modified of the Protocol of 1978 related thereto (hereinafter referred to as "the Convention"') under the authority of the Government(s) of:

(full designation of the country(s))

by .....
(full designation of the competent person or organization
authorized under the provisions of the Convention)

Engine Manufacturer Engine Family Designation Engine Family Approval Number

THIS IS TO CERTIFY:

1 That the above-mentioned marine diesel engine family has been surveyed for pre-certification in accordance with the requirements of the Technical Code on Control of Emission of Nitrogen Oxides from Marine Diesel Engines made mandatory by Annex VI of the Convention; and

2 That the pre-certification survey shows that all member of the engine family, their components, adjustable features, and technical file, prior to the engine's installation and/or service on board a ship, fully comply with the applicable regulation 13 of Annex VI of the Convention.

This certificate is valid for the life of the engine, subject to surveys in accordance with regulation 5 of Annex VI of the Convention, installed in ships under the authority of this Government.

Resolutions of the 1997 MARPOL Conference
Issued at .....
(Place of issue of certificate)
.....20.... …….....
(Date of issue) signature of duty authorized official
issuing the certificate)

(Seal or stamp of the authority as appropriate)

SUPPLEMENT TO ENGINE INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE (EIAPP CERTIFICATE)

RECORD OF CONSTRUCTION, TECHNICAL FILE AND MEANS OF VERIFICATION

In respect of the provisions of Annex VI of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocols of 1978 and 1997 relating thereto (hereinafter referred to as "the Convention") and of the Technical Code on Control of Emission of Nitrogen Oxides from Marine Diesel Engines (hereinafter referred to as the "NOx Technical Code").

Notes:
1 A copy of this record and its attachments shall be permanently attached to the Family EIAPP Certificate. A copy of the Family EIAPP Certificate shall accompany the engine throughout its life and shall be available on board the ship at all times.

2 If the language of the original Record is neither English nor French, the text shall include a translation into one of these languages.

3 Unless otherwise stated, regulations mentioned in this Record refer to regulations of Annex VI of the Convention and the requirements for an engine's technical file and means of verifications refer to mandatory requirements from the NOx Technical Code.

1 Particulars of the engine family
1.1 Name and address of manufacturer.....
1.2 Place of parent engine build.....
1.3 Place of parent engine pre-certification survey.....
1.4 Date of parent engine pre-certification survey.....
1.5 details of engine family members .....

NOx components reference Rated Speed Rated Power Application cycle Restrictions

1.6 Engine approval number.....
1.7 Specification(s) of test fuel……
1.8 Applicable NOx emission limit (g/kW h) (regulation 13 of Annex VI) .....
1.9 Parent engine's actual NOx emission value (g/kW h) .....

2 Particulars of the technical file
2.1 Family Technical file identification/approval number .....
2.2 Family Technical file approval date.....
2.3 The technical file, as required by Chapter 2 of the NOx Technical Code, is an essential part of the EIAPP Certificate and must always accompany an engine throughout its life and always be available on board a ship.

3 Specifications for the On-board NOx verification procedures for the engine parameter survey

3.1 On-board NOx verification procedures identification/approval number .....
3.2 On-board NOx verification procedures approval date .....

3.3 The specifications for the on-board NOx verification procedures, as required by Chapter 6 of the NOx Technical Code, are an essential Resolutions of the 1997 MARPOL Conference part of the EIAPP Certificate and must always accompany an engine through its life and always be available on board a ship.

THIS IS TO CERTIFY that this Record is correct in all respects.
Issued at .....
(Place of issue of the Record)
.....20.... .....
(Date of issue) (signature of duty authorized official issuing the Record)

(Seal or stamp of the authority, as appropriate)

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