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COMMISSION OF THE EUROPEAN COMMUNITIES

Brussels, 30.09.2008  
D002049/01

Draft

**COMMISSION DIRECTIVE ..../EC**

**of [...]**

**amending Directive 2006/87/EC of the European Parliament and of the Council laying  
down technical requirements for inland waterway vessels**

Draft

**COMMISSION DIRECTIVE ../.../EC**

**of [...]**

**amending Directive 2006/87/EC of the European Parliament and of the Council laying down technical requirements for inland waterway vessels**

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Directive 2006/87/EC of the European Parliament and of the Council of 12 December 2006 laying down technical requirements for inland waterway vessels and repealing Council Directive 82/714/EEC<sup>1</sup>, and in particular the first sentence of Article 20, paragraph 1, thereof,

Whereas:

- (1) Since the adoption of Directive 2006/87/EC in December 2006 amendments to the Rhine Vessel Inspection Regulation have been agreed pursuant to Article 22 of the Revised Convention for Rhine Navigation. It is therefore necessary to amend Directive 2006/87/EC accordingly.
- (2) It should be ensured that the Community vessel certificate and the vessel certificate delivered in accordance with the Rhine Vessel Inspection Regulation are issued on the basis of technical requirements which guarantee an equivalent level of safety.
- (3) Equivalent provisions to those in the Rhine Vessel Inspection Regulation for the installation and in-use control for engines falling within the scope of Directive 97/68/EC of the European Parliament and of the Council of 16 December 1997 on the approximation of the laws of the Member States relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be installed in non-road mobile machinery<sup>2</sup> should be incorporated.
- (4) In order to avoid distortions of competition as well as different levels of safety, the amendments to Directive 2006/87/EC should be implemented as quickly as possible.
- (5) The measures provided for in this Directive are in accordance with the opinion of the Committee referred to in Article 7 of Council Directive 91/672/EEC of 16 December

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<sup>1</sup> OJ L 389, 30.12.2006, p. 1.

<sup>2</sup> OJ L 59, 27.02.1998, p. 1.

1991 on the reciprocal recognition of national boatmasters' certificates for the carriage of goods and passengers by inland waterway<sup>3</sup>,

HAS ADOPTED THIS DIRECTIVE:

#### *Article 1*

In Annex I to Directive 2006/87/EC, the entry in Chapter 3 regarding the Italian Republic is replaced by the following:

*“Italian Republic*

All navigable national waterways.”

#### *Article 2*

Annex II to Directive 2006/87/EC is amended as set out in Annex I to this Directive.

#### *Article 3*

Annex V to Directive 2006/87/EC is amended as set out in Annex II to this Directive.

#### *Article 4*

Member States which have inland waterways as referred to in Article 1(1) of Directive 2006/87/EC shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive with effect from 30 December 2008. They shall forthwith inform the Commission thereof.

When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made.

#### *Article 5*

This Directive shall enter into force on the day of its publication in the Official Journal of the European Union.

#### *Article 6*

This Directive is addressed to the Member States which have inland waterways as referred to in Article 1(1) of Directive 2006/87/EC.

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<sup>3</sup> OJ L 373, 31.12.1991, p. 29.

Done at Brussels, [...]

*For the Commission*

[...]

*Member of the Commission*

## ANNEX I

**(1) The table of contents is amended as follows:**

**a) the title of CHAPTER 8a reads as follows:**

*"EMISSIONS OF GASEOUS AND PARTICULATE POLLUTANTS FROM DIESEL ENGINES"*

**b) the following Articles relating to Chapter 8a are inserted after the title of CHAPTER 8a:**

*"Article 8a.01 - Definitions*

*Article 8a.02 - General Provisions*

*Article 8a.03 - Recognised type-approvals*

*Article 8a.04 - Installation test and intermediate and special test*

*Article 8a.05 - Technical services"*

**c) The title of Article 10.03a is replaced by:**

*"Permanently installed fire-fighting systems for protecting accommodation spaces, wheelhouses and passenger spaces"*

**d) The title of Article 10.03b is replaced by:**

*"Permanently installed fire-fighting systems for protecting engine rooms, boiler rooms and pump rooms"*

**e) The following title is inserted after Article 24.07:**

*"Article 24.08 – Transitional provision to Article 2.18"*

**f) The following title is inserted after Article 24a.04:**

*"Article 24a.05 – Transitional provision to Article 2.18"*

**g) After APPENDIX II the following Appendices are added:**

*"APPENDIX III – MODEL OF THE UNIQUE EUROPEAN VESSEL IDENTIFICATION NUMBER*

*APPENDIX IV – DATA FOR THE IDENTIFICATION OF A VESSEL*

*APPENDIX V – ENGINE PARAMETER PROTOCOL"*

**(2) Article 1.01 is amended as follows:**

**a) Point 52 is replaced by the following:**

"52. 'muster areas': areas of the vessel which are specially protected and in which persons muster in the event of danger;"

**b) Point 76 is replaced by the following:**

"76. "draught (T)": the vertical distance in m between the lowest point of the hull without taking into account the keel or other fixed attachments and the maximum draught line;"

**c) Point 76a is inserted after Point 76:**

"76a. "draught overall (T<sub>OA</sub>)": the vertical distance in m between the lowest point of the hull including the keel or other fixed attachments and the maximum draught line;"

**d) Point 97a and 97b are inserted after Point 97:**

"97a. navigation lights: light appearances of navigation lights for the identification of craft;

97b. light signals: lights appearances to accompany visual or sound signals;"

**(3) Article 2.07(1) is replaced by the following:**

"1. The owner of a craft, or his representative, shall bring to the notice of the competent authority any change in the name or ownership of a craft, any remeasurement, and any change in the registration or home port, and shall send the Community certificate to that authority for amendment."

**(4) Article 7.04 is amended as follows:**

**a) Paragraph 3 is replaced by the following:**

"3. The direction of the propulsion thrust imparted to the vessel and the rotational speed of the propeller or main engines shall be displayed."

**b) The second phrase of paragraph 9 is replaced by the following:**

"The requirements set out in (1) to (8) shall apply, *mutatis mutandis*, in view of the specific characteristics and arrangements selected for the abovementioned active steering and propulsion units. In analogy to (2) each unit shall be controlled by a lever which moves in the form of an arc within a vertical plane that is approximately parallel to the direction of the thrust of the unit. From the position of the lever the direction of the thrust acting on the vessel shall be clear.

If rudder propeller or cycloidal-propeller are not controlled by means of levers, the inspection body may allow derogations from (2). These derogations shall be mentioned in the Community certificate in box 52."

**(5) The following Chapter 8a is inserted after Chapter 8:**

*"CHAPTER 8a*

*Emission of gaseous and particulate pollutants from diesel engines*

*Article 8a.01*

*Definitions*

In this Chapter:

1. "engine" means an engine which works on the compression-ignition principle (diesel engine);
  - 1a. "propulsion engine" means an engine for the propulsion of a inland waterway vessel, as defined in Article 2 of Directive 97/68/EC<sup>4</sup>;
  - 1b. "auxiliary engine" means an engine for use in applications other than the propulsion of a craft;
  - 1c. "exchange engine" means a used, overhauled engine which is intended to replace a currently operational engine and which is of the same design (in-line engine, V-engine) as the engine to be replaced, which has the same number of cylinders and whose power output and speed do not differ by more than 10% from the power output and speed of the engine to be replaced;
2. "type-approval" means the procedure as defined in Article 2, 2<sup>nd</sup> indent of Directive 97/68/EC, as amended, whereby a Member State certifies that an engine type or an engine family with regard to the level of emission of gaseous and particulate pollutants by the engine(s) satisfies the relevant technical requirements.
3. "installation test" means the procedure whereby the competent authority makes sure that, even where an engine fitted to a craft has undergone, since the issuing of the type-approval, any modifications or adaptations with regard to the level of emission of gaseous and particulate pollutants, that engine still complies with the technical requirements of this Chapter;
4. "intermediate test" means the procedure whereby the competent authority makes sure that, even where a craft's engine has undergone, since the installation test, any modifications or adaptations with regard to the level of emission of gaseous and particulate pollutants, that engine still complies with the technical requirements of this Chapter;

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<sup>4</sup> OJ L 59, 27.02.1998, p. 1.



5. "special test" means the procedure whereby the competent authority makes sure that, after each significant modification to a craft's engine with regard to the level of emission of gaseous and particulate pollutants, that engine still complies with the technical requirements of this Chapter;
6. (Left void);
7. "engine family" means a manufacturer's grouping of engines which through their design, are expected to have similar exhaust emission characteristics of gaseous and particulate pollutants as defined in Article 2, 4<sup>th</sup> indent of Directive 97/68/EC, as amended, and which comply with the requirements of the rules in accordance with Article 8a.03;
8. (Left void);
9. (Left void);
10. (Left void);
11. "manufacturer" as defined in Article 2 of Directive 97/68/EC, as amended, means the person or body who is responsible to the approval authority for all aspects of the type-approval process and for ensuring conformity of production. It is not essential that the person or body is directly involved in all stages of the construction of the engine.
12. (Left void);
13. (Left void);
14. (Left void);
15. (Left void);
16. "engine parameter protocol" means the document pursuant to Appendix V, in which all the parameters, together with changes, and including components and engine settings which affect the level of emission of gaseous and particulate pollutants from the engine are duly recorded;
17. "Engine manufacturer's instructions on monitoring the components and engine parameters of relevance in an exhaust gas context" means the document produced for the purpose of implementing the installation test and the intermediate or special tests.

### *Article 8a.02*

#### *General Provisions*

1. Without prejudice to the requirements of Directive 97/68/EC, the provisions of this Chapter shall apply to all engines with a rated power output more than 19 kW installed in inland waterway vessels or in machinery on board such vessel.

2. The engines shall comply with the requirements of Directive 97/68/EC.
3. Compliance with the exhaust gas emission limit values of the applicable stage shall be determined on the basis of a type-approval pursuant to Article 8a.03.
4. Installation tests
  - a) After the installation of the engine on board, but before it is brought into service, an installation test shall be carried out. This test, which forms part of the initial inspection of the craft, or of a special inspection by virtue of the relevant engine having been installed, shall result either in the registration of the engine in the Community certificate to be issued for the first time or in the modification of the existing Community certificate.
  - b) The inspection body may dispense with an installation test pursuant to (a), if an engine having a rated power output PN of less than 130 kW is replaced by an engine covered by the same type-approval. As a precondition, the vessel's owner or his authorised representative shall be required to notify the inspection body of the engine's replacement and to submit a copy of the type-approval document and details of the identification number of the newly installed engine. The inspection body shall make the appropriate amendments to the Community certificate (cf. box 52).
5. Intermediate tests on the engine shall be carried out in the context of the periodical inspection pursuant to Article 2.09.
6. After each significant modification to an engine, where such modifications have the potential to affect the emission of gaseous and particulate pollutants from the engine, a special test must invariably be carried out.
- 6a. The results of the tests pursuant to Article 8a.02(4) to (6) shall be registered in the engine parameter protocol.
7. The inspection body shall indicate in the Community certificate, in box 52, the type-approval numbers and identification numbers of all the engines that are installed on board the vessel and that are subject to the requirements of this Chapter. For engines covered by Article 9(4)(a) of Directive 97/68/EC the identification number shall suffice.
8. For the purpose of discharging tasks pursuant to this Chapter, the competent authority may employ a technical service.

### *Article 8a.03*

#### *Recognised type-approvals*

1. The following type-approvals shall be recognised, provided that the engine application is covered by the appropriate type approval:

- a) type-approvals pursuant to Directive 97/68/EC;
  - b) type-approvals which, pursuant to Directive 97/68/EC<sup>5</sup> are recognised as equivalent.
2. For each type-approved engine, the following documents or copies of them shall be kept available on board:
- a) the type-approval document;
  - b) the engine manufacturer's instructions on monitoring the components and engine parameters of relevance in an exhaust gas context;
  - c) the engine parameter protocol.

#### **Article 8a.04**

##### *Installation test and intermediate and special test*

1. At the time of the installation test pursuant to Article 8a.02(4) and in the event of intermediate tests pursuant to Article 8a.02(5) and special tests pursuant to Article 8a.02(6), the competent authority will inspect the current state of the engine with reference to the components, adjustments and parameters specified in the instructions pursuant to Article 8a.01(17).

If the authority finds that the engine does not comply with the approved engine type or the approved engine family, it may:

- a) require that
  - aa) steps are taken to re-establish engine conformity,
  - bb) require appropriate modifications to the type-approval document, or
- b) order the actual emissions to be measured.

Failing the re-establishment of engine conformity or in the absence of appropriate modifications to the type-approval document or in the event that the measurements indicate non-compliance with the emission limit values, the competent authority shall refuse to issue a Community certificate or shall revoke any Community certificate that has already been issued.

2. In the case of engines with exhaust gas after treatment systems, checks shall be carried out to establish that these systems are functioning properly in the context of the installation test and the intermediate or special tests.

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<sup>5</sup> Alternative type-approvals recognised pursuant to Directive 97/68/EC are listed in Annex XII, §.2 of Directive 97/68/EC.

3. The tests according to (1) are made on the basis of the engine manufacturer's instruction on monitoring the components and engine parameters of relevance in an exhaust gas emission context. The instruction, to be drawn up by the manufacturer and to be approved by a competent authority, shall specify the exhaust relevant components as well as adjustments and parameters, whereby continuous compliance with the exhaust gas emission limit values can be assumed. The instruction contains at least the following details:
  - a) type of engine and, where appropriate, engine family with an indication of the rated output and rated speed;
  - b) list of the components and engine parameters of relevance in an exhaust gas emission context;
  - c) unambiguous features to identify the permitted components of relevance in an exhaust gas emission context (e.g. part numbers appearing on the components);
  - d) engine parameters of relevance in an exhaust gas emission context such as setting ranges for the injection timing, permitted cooling water temperature, maximum exhaust gas backpressure, etc..

In the case of engines fitted with exhaust gas after treatment systems, the instruction shall also include procedures to check that the exhaust gas after treatment installation is operating efficiently.

4. The installation of engines in craft shall comply with the restrictions set out in the scope of the type approval. In addition, the intake under pressure and the exhaust gas back pressure shall not exceed the values indicated for the approved engine.
5. If the engines being installed on board belong to an engine family, no readjustments or modifications which could adversely affect exhaust gas and particulate emissions or which lie outside the proposed adjustment range may be carried out.
6. If, after type-approval, readjustments or modifications to the engine need to be made, these should be accurately entered in the engine parameter protocol.
7. If the installation and intermediate tests show that, in relation to their parameters, components and adjustable features, the engines installed on board comply with the specifications set out in the instructions pursuant to Article 8a.01(17), then it may be assumed that the exhaust gas and particulate emissions from the engines likewise comply with the basic limit values.
8. Where an engine has obtained type-approval, the competent authority may, at its own discretion, reduce the installation test or intermediate test pursuant to these provisions. However, the full test shall be carried out in respect of at least one cylinder or one engine of an engine family and may only be reduced if there is reason to believe that all other cylinders or engines behave similarly to the cylinder or engine under investigation.

## *Article 8a.05*

### *Technical services*

1. The technical services shall comply with the European standard on general requirements for the competence of testing and calibration laboratories (EN ISO/IEC 17025 : 2000), having due regard to the following conditions:
  - a) Engine manufacturers cannot be recognised as technical services.
  - b) For the purposes of this chapter, a technical service may, with permission of the competent authority, use facilities outside its own test laboratory.
  - c) If requested to do so by the competent authority, technical services shall demonstrate that they are recognised to perform the type of activities described in this paragraph within the European Union.
  - d) Third country services may only be notified as a recognised technical service in the framework of a bilateral or multilateral agreement between the European Union and the third country in question.
2. Member States shall inform the Commission about the names and addresses of the technical services which, together with their national competent authority are responsible for the application of this chapter. The Commission shall make this information available to the Member States."

**(6) The title of Article 10.03a is replaced by the following:**

*"Permanently installed fire-fighting systems for protecting accommodation spaces, wheelhouses and passenger spaces"*

**(7) The title of Article 10.03b is replaced by the following:**

*"Permanently installed fire-fighting systems for protecting engine rooms, boiler rooms and pump rooms"*

**(8) Article 15.06(5)(a) is replaced by the following:**

"(a) They shall have a clear width of at least 0,80 m. If they lead to rooms used by more than 80 passengers, they shall comply with the provisions mentioned in (3)(d) and (e) regarding the width of the exits leading to connecting corridors."

**(9) Article 15.06(8) is amended as follows:**

**a) Letter e is replaced by the following:**

"(e) if fixed seats or benches are located in a room in which muster areas are defined the corresponding number of persons need not be taken into account when calculating the total area of muster areas according to (a). However, the number of persons for whom fixed seats or benches in a certain room are taken into account must not exceed the number of persons for whom muster areas are available in this room;"

**b) Letter f is replaced by the following:**

"(f) life-saving appliances shall be easily accessible from the evacuation areas;"

**c) Letter g is replaced by the following:**

"(g) it shall be possible to evacuate people safely from these evacuation areas, using either side of the vessel;"

**d) Letter h is replaced by the following:**

"(h) the muster areas shall lie above the margin line;"

**e) Letter i is replaced by the following:**

"(i) the muster and evacuation areas are to be shown as such in the safety plan and signposted on board the vessel;"

**f) Letter j is replaced by the following:**

"(j) the provisions of (d) and (e) shall also apply to free decks on which muster areas are defined;"

**g) Letter l is replaced by the following:**

"(l) however, in all cases where reductions according to (e), (j) and (k) are applied, the total area according to (a) shall be sufficient for at least 50 % of the maximum permitted number of passengers."

**(10) Article 15.08(6) is replaced by the following:**

"6. A bilge pumping system with permanently installed pipe work shall be available."

**(11) The table to Article 24.02(2) is amended as follows:**

**a) The entry relating to Article 7.02, paragraph 5 becomes the entry the entry relating to Article 7.02 paragraph 6.**

**b) The following entries are inserted after the entry relating to Article 7.04, paragraph 2:**

"(3)	Display	If there is no wheelhouse designed for radar navigation by one person: N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2010"
(9) third sentence	Control by a lever	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2010
fourth sentence	Clearly show the direction of the thrust	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2010"

- c) **The entry relating to Article 8.02 Paragraph 4 is replaced by the following:**

"Paragraph 4	Screening of pipe connections	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2025"
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- d) **The following entries are inserted after the entry relating to Article 8.02, paragraph 4:**

"paragraph 5	Jacketed piping system	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2025
paragraph 6	Insulation of engine parts	N.R.C., at the latest on issue or renewal of the Community certificate"

- e) **The entry relating to Article 8.05, paragraph 9 first sentence becomes the entry to Article 8.05 paragraph 9 second sentence.**

- f) **The following entry is inserted after the entry relating to Article 8.05, paragraph 13:**

"8.06	Tanks for lubricating oil, -pipes and accessories	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2045
8.07	Tanks for oils in power transmission systems, control and activating systems and heating systems, -pipes and accessories	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2045"

**g) The entry relating to Chapter 8a is replaced by the following:**

	"CHAPTER 8a	
8a.02(2) and (3)	Compliance with the requirements/ exhaust gas emission limit values	<p>The regulations do not apply</p> <p>a) for engines, which were installed before 1.1.2003 and</p> <p>b) for exchange engines, which up to 21.12.2011 are installed on board craft which were in operation on 1.1.2002</p> <p>For engines which were installed</p> <p>a) in craft between 1.1.2003 and 1.7.2007 the exhaust gas limit values as referred to in Annex XIV of Directive 97/68 apply;</p> <p>b) in craft or in on-board machinery after 30.6.2007 the exhaust gas limit values as referred to in Annex XV of Directive 97/68 apply</p> <p>The requirements for the categories:</p> <p>aa) V for propulsion engines and for auxiliary engines above 560kW and</p> <p>bb) D, E, F, G, H, I, K for auxiliary engines of Directive 97/68/EC apply as equivalent"</p>

**h) The entry relating to Article 9.15, paragraph 9 becomes the entry to Article 9.15, paragraph 10.**

**i) The following entry is inserted after the title "CHAPTER 15":**

"15.01(1)(c)	Non-application of Article 8.08 (2) second sentence	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2007"
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**j) The entry relating to Article 15.01, paragraph 1 (d) is replaced by the following:**

"(d)	Non-application of Article 9.14 Paragraph 3 second sentence for rated voltages of over 50 V	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2010"
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**(12) The table to Article 24.06(5) is amended as follows:**

**a) The following entries are inserted after the entry related to Article 7.02(2):**

„7.04 (3)	Display	If there is no wheelhouse designed for radar navigation by one person: N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2010	1.4.2007
(9), third sentence	Control by a lever	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2010	1.4.2007
fourth sentence	Prohibition of indicating the direction of the jet	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2010	1.4.2007"

**b) The entry relating to Article 8.02(4) is replaced by the following:**

"8.02(4)	Screening of pipe connections	N.R.C., at the latest on issue or renewal of the Community certificate after 2025	1.4.2007"
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**c) The following entries are inserted after the entry relating to Article 8.02(4):**

"paragraph 5	Jacketed piping system	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2025	1.4.2007
paragraph 6	Insulation of engine parts	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2025	1.4.2003"

**d) The entry relating to Article 8.05(9) first sentence becomes the entry relating to Article 8.05(9) second sentence.**

**e) The following entries are inserted after the entry relating to Article 8.05, paragraph 13:**

"8.06	Tanks for lubricating oil, -pipes and accessories	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2045	1.4.2007
8.07	Tanks for oils in power transmission systems, control and activating systems and heating systems, -pipes and accessories	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2045	1.4.2007"

**f) The entry relating to Chapter 8a is replaced by the following:**

	"CHAPTER 8a		
		The regulations do not apply	1.1.2002
		a) for engines, which were installed before 1.1.2003 and	
		b) for exchange engines, which up to 21.12.2011 are installed on board craft which were in operation on 1.1.2002	
8a.02(2) and (3)	Compliance with the requirements/ exhaust gas emission limit values	For engines which were installed	1.7.2007
		a) in craft between 1.1.2003 and 1.7.2007 the exhaust gas limit values as referred to in Annex XIV of Directive 97/68 apply;	
		b) in craft or in on-board machinery after 30.6.2007 the exhaust gas limit values as referred to in Annex XV of Directive 97/68 apply	
		The requirements for the categories:	
		aa) V for propulsion engines and for auxiliary engines above 560kW and	
		bb) D, E, F, G, H, I, K for auxiliary engines of Directive 97/68/EC apply as equivalent"	

**g) The entry to relating to Article 15.01(1)(c) is replaced by the following:**

„15.01(1)(c)	Non-application of Article 8.08(2), second sentence	N.R.C., at the latest on issue or renewal of the Community certificate after	1.1.2006“
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**(13) The following article is added after Article 24.07:**

**„Article 24.08**

*Transitional provision to Article 2.18*

"When issuing a Community certificate to craft which after 31 March 2007 carried a valid vessel certificate according to the Rhine Vessel Inspection Regulation, the already assigned Unique European Vessel Identification Number shall be used, and where appropriate completed by ranking first the figure "0"."

**(14) The table to Article 24a.02(2) is amended as follows:**

- a) The entry relating to Article 7.02, paragraph 5 is the entry relating to Article 7.02, paragraph 6.**
- b) The following entries are inserted after the entry relating to Article 7.04(2):**

"(3)	Display	If there is no wheelhouse designed for radar navigation by one person: N.R.C., at the latest on issue or renewal of the Community certificate after 30. December 2024
(9), third sentence	Control by a lever	N.R.C., at the latest on issue or renewal of the Community certificate after 30. December 2024
fourth sentence	Prohibition of indicating the direction of the jet	N.R.C., at the latest on issue or renewal of the Community certificate after 30. December 2024"

- c) After the entry relating to Article 8.02(1) the entry**

"Paragraph 4	Protection of machinery parts	N.R.C., at the latest on issue or renewal of the Community certificate"
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**is replaced by the following entries:**

"(4)	Screening of pipe connections	N.R.C., at the latest on issue or renewal of the Community certificate after 30 December 2024
paragraph 5	Jacketed piping system	N.R.C., at the latest on issue or renewal of the Community certificate after 30. December 2024
paragraph 6	Insulation of engine parts	N.R.C., at the latest on issue or renewal of the Community certificate"

- (d) The entry relating to Article 8.05(7) is replaced by the following:**

"paragraph 7, first subparagraph	Quick-closing valve on the tank operated from deck, even when the rooms in question are closed.	N.R.C., at the latest on issue or renewal of the Community certificate after 1.1.2029"
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- e) The entry to relating to Article 8.05(9), first sentence is the entry to Article 8.05(9), second sentence.**

- f) **The following entry relating to Chapter 8a is inserted after the entry relating to Article 8.10(3):**

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"CHAPTER 8a	
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The regulations do not apply to

- a) propulsion engines and auxiliary engines with a rated power output more than 560 kW of the following categories according to appendix I section 4.1.2.4 of Directive 97/68/EC:
  - aa) V1:1 to V1:3, which until 31 December 2006;
  - bb) V1:4 and V2:1 to V2:5, which until 31 December 2008;are installed in craft or in on-board machinery.
- b) auxiliary engines with a rated power up to 560 kW and variable speed, of the following categories according to Article 9.4a of Directive 97/68/EC:
  - aa) H which until 31 December 2005;
  - bb) I and K which until 31 December 2006;
  - cc) J which until 31 December 2007;are installed in craft or in on-board machinery.
- c) auxiliary engines with a rated power up to 560 kW and constant speed, of the following categories according to Article 9.4a of Directive 97/68/EC:
  - aa) D, E, F and G which until 31. December 2006<sup>6</sup>;
  - bb) H, I and K which until 31 December 2010;
  - cc) J which until 31 December 2011;are installed in craft or in on-board machinery.
- d) engines, which meet the limit values as referred to in Annex XIV of Directive 97/68/EC and which until 30. June of 2007;  
are installed in craft or in on-board machinery.
- e) exchange engines, which until 31. December of 2011 are installed in craft or in on-board machinery to replace an engine to which in accordance with points a) to d) above, the regulations do not apply.

The dates mentioned in paragraphs a), b), c) and d) shall be postponed by two years in respect of engines with a production date prior to the mentioned dates."

**(15) The following article is added after Article 24a.04:**

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<sup>6</sup> In accordance with Annex I, section 1A(ii) of Directive 2004/26/EC, amending Directive 97/68/EC, the limits for these auxiliary constant-speed engines only apply from this date.

*"Article 24a.05*

*Transitional provision to Article 2.18*

Article 24.08 shall apply *mutatis mutandis*."

- (16) In Appendix II, Administrative instruction No 23 is replaced by the following:

**“Administrative instruction No 23**

**Engine application covered by the appropriate type approval**

**(Article 8a.03(1) of Annex II)**

1. Introduction

According to Article 8a.03(1), type-approvals pursuant to Directive 97/68/EC and type-approvals, which pursuant to Directive 97/68/EC are recognised as equivalent, are recognised, provided that the engine application is covered by the appropriate type approval.

In addition, it is possible that engines on board of inland waterway vessels have to serve more than one application.

Section 2 of this Administrative Instruction explains when engine applications can be considered to be covered by the appropriate type approval. In Section 3 clarification is given with respect to the question how to treat engines which in the course of on-board operations need to be allocated to more than one engine application.

2. Appropriate type-approval

Engine applications are considered to be covered by the appropriate type-approval if the engine has been allocated to the type-approval on the basis of the following table. The engine categories, limit value stages and test cycles are indicated in accordance with the type-approval number designations.

Engine application		Legal basis	Engine category	Limit value stage	Test		
					requirement	cycle ISO 8178	
Propulsion engines with propeller characteristics	I	Directive 97/68/EC	V	IIIA	C <sup>1)</sup>	E3	
		RVIR	-	I, II <sup>2)</sup>	-	E3	
Main propulsion engines with constant speed (including installations with diesel electric propulsion and variable pitch propeller)	II	Directive 97/68/EC	V	IIIA	C <sup>1)</sup>	E2	
		RVIR	-	I, II <sup>2)</sup>	-	E2	
Auxiliary engines with	constant speed	Directive 97/68/EC	D, E, F, G	II	B	D2	
			H, I, J, K	IIIA			
			V <sup>3)</sup>				
		RVIR	-	I, II <sup>2)</sup>	-	D2	
	variable speed and variable load	I V	Directive 97/68/EC	D, E, F, G	II	A	C 1
				H, I, J, K	IIIA		
				V <sup>3)</sup>			
				L, M, N, P	IIIB		
				Q, R	IV		
			RVIR	-	I, II <sup>2)</sup>		

1) The application “craft propulsion with propeller characteristics” or “craft propulsion at constant speed” should be specified in the type-approval document.

2) The stage II limit values laid down in the RVIR apply with effect from 1 July 2007.

3) Applies only for engines with rated power output more than 560 kW.

### 3. Special engine applications

3.1 Engines which in the course of on-board operations need to be allocated to more than one engine application shall be treated as follows:

- a) auxiliary engines which drive units or machinery which, pursuant to the table in Section 2, have to be allocated to applications III or IV need to have obtained type-approval for each of the respective applications provided for in this table.
- b) main propulsion engines which drive additional units or machinery need only to have obtained the type-approval necessary for the relevant type of main propulsion pursuant to the table in Section 2, insofar as the engine’s main application is craft propulsion. If the time taken up by the sole auxiliary application exceeds 30%, the engine will need to have obtained,

in addition to type-approval for the main propulsion application, further type-approval in respect of the auxiliary application.

- 3.2. Engines driving bow thrusters, whether directly or by means of a generator at:
  - a) variable engine speed and load may be allocated to applications I or IV pursuant to the table in Section 2;
  - b) constant engine speed may be allocated to applications II or III pursuant to the table in Section 2.
- 3.3. The engines shall be installed with the power output as authorised under the type-approval and indicated on the engine by means of identification of type. If such engines have to drive units or machinery of lower power consumption, power may be reduced only by measures external to the engine, in order to achieve the power level needed for the application.”

**(17) The following Appendix V is added:**



*"Appendix V*

**Engine parameter protocol**

**0 General**

0.1 Engine information

0.1.1 Make: \_\_\_\_\_

0.1.2 Manufacturer's description: \_\_\_\_\_

0.1.3 Type-approval number: \_\_\_\_\_

0.1.4 Engine identification number: \_\_\_\_\_

\_\_\_\_\_

0.2 Documentation

The engine parameters should be tested and the test results documented. The documentation should consist of separate sheets, individually numbered, signed by the controller and attached to this protocol.

0.3 Test

The test should be carried out on the basis of the Engine manufacturer's instructions on monitoring the components and engine parameters of relevance in an exhaust gas context. In duly motivated cases controllers may, at their own discretion, dispense with checks on certain engine parameters.

0.4 This engine parameter protocol, including the accompanying chart readings, comes to a total of ... \* pages.

**1. Engine parameters**

This is to certify that the engine under test does not deviate excessively from the prescribed parameters.

1.1 Installation inspection

Name and address of the test facility: \_\_\_\_\_

\_\_\_\_\_

Name of the controller: \_\_\_\_\_

Place and date: \_\_\_\_\_

Signature: \_\_\_\_\_

Test recognised by competent authority: \_\_\_\_\_

\_\_\_\_\_

Place and date: \_\_\_\_\_

Seal of the competent

Signature: \_\_\_\_\_

authority

-----  
\* To be filled in by the controller.

1.2  Intermediate test       Special test

Name and address of the test facility: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name of the controller: \_\_\_\_\_

Place and date: \_\_\_\_\_

Signature: \_\_\_\_\_

Test recognised by competent authority: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Place and date: \_\_\_\_\_

Seal of the competent  
authority

Signature: \_\_\_\_\_

1.2  Intermediate test       Special test

Name and address of the test facility: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name of the controller: \_\_\_\_\_

Place and date: \_\_\_\_\_

Signature: \_\_\_\_\_

Test recognised by competent authority: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Place and date: \_\_\_\_\_

Seal of the competent  
authority

Signature: \_\_\_\_\_

1.2  Intermediate test       Special test

Name and address of the test facility: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name of the controller: \_\_\_\_\_

Place and date: \_\_\_\_\_

Signature: \_\_\_\_\_

Test recognised by competent authority: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Place and date: \_\_\_\_\_

Seal of the competent  
authority

Signature: \_\_\_\_\_

ANNEX to the ENGINE PARAMETER PROTOCOL

Craft name: \_\_\_\_\_ European Vessel Identification Number: \_\_\_\_\_

Installation inspection                       Intermediate test                       Special test

Manufacturer : \_\_\_\_\_ Engine type: \_\_\_\_\_  
(Trade name/trade mark/trade name of the manufacturer)                      (Engine family/manufacturer's description)

Rated power (kW) \_\_\_\_\_ Rated speed [1/min]: \_\_\_\_\_ Number of cylinders \_\_\_\_\_

Use for which the engine is intended \_\_\_\_\_  
(Craft main propulsion/Generator propulsion/forward beam propulsion/auxiliary engine, etc.)

Type approval number \_\_\_\_\_ Year of engine construction \_\_\_\_\_

Engine identification number \_\_\_\_\_ Place of installation \_\_\_\_\_  
(Serial number/unique identification number)

The engine and engine components of relevance in an exhaust gas context have been identified on the basis of the data plate details.

The test has been carried out on the basis of the Engine manufacturer's instructions on monitoring the components and engine parameters of relevance in an exhaust gas context.

**A) COMPONENT TEST**

Additional components of relevance in an exhaust gas context and listed in the *Engine manufacturer's instructions on monitoring the components and engine parameters of relevance in an exhaust gas context* should be included in the table.

Component	Component number recorded	Conformity
Camshaft/piston		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Injection valve		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Data set/software number		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Injection pump		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
cylinder head		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Exhaust-gas turbocharger		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

Charge air cooler		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

**B) VISUAL INSPECTION OF THE ADJUSTABLE FEATURES AND ENGINE PARAMETERS**

Parameter	Value recorded	Conformity	
Injection timing, injection period		<input type="checkbox"/> Yes	<input type="checkbox"/> No

**C) INSPECTION OF THE AIR INTAKE AND THE EXHAUST SYSTEM**

<input type="checkbox"/>	Measurements have been taken in order to verify compliance with the authorised values
<input type="checkbox"/>	Intake under pressure:                      kPa at rated speed and full load
	Exhaust gas back pressure:                      kPa at rated speed and full load
<input type="checkbox"/>	A visual inspection of the air intake and exhaust gas system has been carried out.
<input type="checkbox"/>	No abnormalities were detected that would suggest non-compliance with the authorised values.

**D) COMMENTS:**

-----  
 (The following divergent settings, modifications or changes to the installed engine were noted.)

-----  
 -----  
 -----  
 -----

Name of the controller: -----

Place and date: -----

Signature: -----  
 -----

".

**ANNEX II**

**Annex V Part 1 is amended as follows:**

**(1) The third paragraph of the remark on page 1 is replaced by the following:**

"The owner of the craft, or his representative, must inform an Inspection Body of any change in the name or ownership of the craft, any remeasurement and any change in the registration number or home port, and send it the inspection certificate for amendment."

**(2) In box 12 of the model the introductory phrase is replaced by the following:**

"The certificate number (1), unique European vessel identification number (2), registration number (3) and measurement number (4) are affixed with the corresponding signs at the following locations on the craft"

**(3) In box 15 of the model item 2 is replaced by the following:**

"2. Couplings:	
Type of coupling: .....	Number of couplings per side: .....
Number of coupling cables: .....	Length of each coupling cable: ..... m
Tensile strength per longitudinal coupling: ..... kN	Tensile strength per cable: ..... kN
Number of cable windings:	

**(4) Box 19 of the model is replaced by the following:**

(..) (..)	(..)	"19.Draught overall      m	(..)
(..) (..)	(..)	19b Draught T m"	

**(5) Box 35 of the model is replaced by the following:**

"35 Bilge and drainage system
Number of bilge pumps ....., of which power driven .....
Minimum pumping capacity      first bilge pump ..... l/min
second bilge pump ..... l/min"

**(6) Box 42 of the model is replaced by the following:**

"42. Other equipment		
heaving line		Voice communication- alternative two-way*)
gangway in accordance with Article 10(2)(d)	in accordance with Article 15.06(12)	system - simultaneous two-way/telephone*)
Length .....	m	- internal radio-telephone link*)
gaff hook		- vessel-to-vessel service
first-aid kit		- nautical information service
pair of binoculars		- vessel-port authority service
notice concerning rescue of persons overboard		Radio- telephone
fire-resistant receptacles		Installation
		- in accordance with Article 11.12(9)*)
		- other cranes with a useful load not exceeding
embarkation stairway/ladder*)		2000 kg*)"
Cranes		

**(7) Box 43 of the model is replaced by the following:**

"43. Fire-fighting appliances	
Number portable fire extinguishers .....	fire pumps ....., hydrants .....
Permanently installed fire-fighting systems in accommodation etc.	No /Number .....
Permanently installed fire-fighting systems in engine rooms etc.	No / Number .....
The power driven bilge pump replaces a fire pump .....	Yes/No*)"

**(8) Box 44 of the model is replaced by the following:**

"44. Life saving appliances

Number of lifebuoys ....., of which with light ....., with line..... \*)

One lifejacket for every person who is regularly on board /in accordance with EN 395 : 1998, EN 396 : 1998, EN ISO 12402-3 : 2006 or EN ISO 12402-4 : 2006\*)

A ship's boat with a set of oars, one mooring line and a baler / in accordance with EN 1914 : 1997\*)

Platform or an installation in accordance with Article 15.15(5) or (6)\*)

Number, type and site(s) of installation of the equipment to enable persons to be transferred safely to shallow water, to the bank or to another craft in accordance with Article 15.09(3).....

.....  
.....

Number of individual life saving appliances for shipboard personnel..... ,

of which in accordance with Article 10.05(2) ..... \*)

Number of individual life saving appliances for passengers ..... \*)

Collective life saving appliances, with respect to the number, equivalent to..... individual life saving appliances\*)

Two breathing apparatus sets, two sets in accordance with Article 15.12(10)(b), number of ..... smoke hoods\*)

Safety rota and safety plan displayed at:.....

.....  
.....  
....."

**(8) In box 52 of the model, the last row is replaced by the following:**

"Continued on page\*)  
End of Community certificate\*)"