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Working Party on Inland Water Transport

Working Party on the Standardization of Technical and Safety Requirements in Inland Navigation

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Item 10 (a) of the provisional agenda

Other business: Diesel engine exhausts

Contribution to the discussion paper

Transmitted by Bulgaria, Czech Republic, the Russian Federation and Serbia

Bulgaria

1. Bulgaria has 357 inland navigation vessels registered, no data on age of engines as engine replacement is not recorded.

Czech Republic

2. The Czech Republic applies EU Directives 2006/87/EC, 2003/44/EC, 97/68/EC. 14,000 vessels registered, engines not exceeding 25 years of age.

Russian Federation

3. The general provisions of chapter 8a, “Exhaust and pollutant particulate emissions from diesel engines”, of the annex to Resolution No. 61 (revised), as laid down in section 8a–1 and paragraphs 8a–2.5 to 8a–2.8 of section 8a–2 are similar to the general provisions applied by the Russian River Register (RRR) in its classification. They differ in a number of normalized values of emissions indicators and the dimension of the parameter of opacity of exhaust gases.

4. The regulations related to atmospheric pollution from vessel engines include Rules of the RRR concerning prevention of pollution from vessels (section 6), GOCT P 51249-99, GOCT P 51250-99, GOCT P 52408-2005 (ISO 8178-2-1996), GOCT 30574-98, Governmental Decree of the Russian Federation No. 83 of 6 February 2002.

5. At 9 April 2013 30,964 inland navigation vessels were registered in the Russian Federation. The evaluation of the condition of vessel engines is not done based on the age of the engine, but the number of hours worked (resource) in the navigation season. In particular, the resource until major overhaul and deduction from fleet. Therefore the data on the average age of engines can only be indicated approximately based on general practice.

6. The average age of inland navigation vessels is approximately 30 years, for vessels with a total capacity of main engines over 450 horsepower (without account for major overhaul and part replacement). Vessels of a total capacity of less than 450 horsepower have recently

undergone a replacement of engines. The total number of such vessels is approximately 10,000. The average age of replaced engines is of 5 years. The part of vessels with replaced engines is approximately 25% from the total number of self-propelled vessels, representing 2,500 units.

Serbia

7. Serbia intends to pass provisions of chapter 8a of Directive 2009/46/EC into national legislation by end of 2013. 939 vessels registered, of which 355 have main and/or auxiliary diesel engines. 270 motorized vessels have valid ship's certificates. Average age of those vessels is 43 years. Engine age on those vessels significantly lower, as some 10% of these 270 vessels have been subject to engine replacement.
