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Inland Transport Committee

Working Party on the Transport of Dangerous Goods

Joint Meeting of Experts on the Regulations annexed to the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) (ADN Safety Committee)

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Item 4 (b) of the provisional agenda

**Proposals for amendments to the Regulations annexed to ADN:
Other proposals**

7.1.4.1.1 and 7.1.4.1.2: amendment and clarification

Transmitted jointly by the European Barge Union (EBU), the European River Sea Transport Union (ERSTU) and the European Skippers Organization (ESO)^{1,2}

Introduction

1. ADN 7.1.4.1.1 sets out maximum quantities (gross masses) of dangerous goods, differentiated by the categories of dangerous goods, that must not be exceeded on board a vessel. Subject to the provisions of 7.1.4.1.3, 7.1.4.1.2 establishes that the maximum quantity carried is 1,100,000 kg of dangerous goods per vessel.
2. The reservation in 7.1.4.1.3 provides for an extra subdivision using the “danger label of model No. 1”, but according to some subsections, this is not applicable to double-hull vessels. Double-hull vessels meeting certain criteria may carry dangerous goods in

¹ Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR-ZKR/ADN/WP.15/AC.2/2016/39.

² In accordance with the draft programme of work of the Inland Transport Committee for 2016-2017 ([ECE/TRANS/2016/28/Add.1](#) (9.3)).



unlimited quantities. For the quantity limitations in 7.1.4.1.1, there is sometimes the annotation “no limitation”. How is “no limitation” to be interpreted?

3. The text as it now stands has been amended numerous times and on several occasions over the years, and the amendments were always apparently necessary and relevant. However, on the whole, the current text has now become unintelligible to the unwary user and raises the risk of misunderstandings between vessel crews and the inspecting authorities.

4. The European inland navigation industry therefore proposes recasting 7.1.4.1.1. A proposal appears below.

5. The European inland navigation industry also proposes assigning a working group to carry out this work. The industry has prepared documents to inform the members of such a drafting group of the various versions of 7.1.4.1.1 that have entered into force since 2003.

Proposal

7.1.4.1.1 Subject to 7.1.4.1.3, the following gross masses shall not be exceeded on any vessel. For pushed convoys and side-by-side formations this gross mass applies to each unit of the convoy or formation.

Class 1

All substances and articles of Division 1.1 of compatibility group A	90 kg ¹
All substances and articles of Division 1.1 of compatibility groups B, C, D, E, F, G, J or L	15 000 kg ²
All substances and articles of Division 1.2 of compatibility groups B, C, D, E, F, G, H, J or L	50 000 kg
All substances and articles of Division 1.3 of compatibility groups C, G, H, J or L	300 000 kg ³
All substances and articles of Division 1.4 of compatibility groups B, C, D, E, F, G or S	1 100 000 kg
All substances of Division 1.5 of compatibility group D	15 000 kg ²
All articles of Division 1.6 of compatibility group N	300 000 kg ³
Empty packagings, uncleaned	1 100 000 kg

NOTE:

¹ In not less than three batches of a maximum of 30 kg each, distance between batches not less than 10.00 m.

² In not less than three batches of a maximum of 5 000 kg each, distance between batches not less than 10.00 m.

³ Not more than 100 000 kg per hold. A wooden partition is permitted for subdividing a hold.

Class 2

All goods for which label No. 2.1 is required in column (5) of Table A of Chapter 3.2: total	300 000 kg
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All goods for which label No. 2.3 is required in column (5) of Table A of Chapter 3.2: total	120 000 kg
Other goods	No limitation
<i>Class 3</i>	
All goods of packing groups I or II for which, <u>in addition to a danger label of model No. 3</u> , label No. 6.1 is required in column (5) of Table A of Chapter 3.2: total	120 000 kg
Other goods	300 000 kg No limitation
<i>Class 4.1</i>	
UN Nos. 3221, 3222, 3231 and 3232, total	15 000 kg
All goods of packing group I; all goods of packing group II for which, <u>in addition to a danger label of model 4.1</u> , label No. 6.1 is required in column (5) of Table A of Chapter 3.2; selfreactive substances of types C, D, E and F (UN Nos. 3223 to 3230 and 3233 to 3240); other substances of classification code SR1 or SR2 (UN Nos. 2956, 3241, 3242 and 3251); and desensitized explosive substances of packing group II (UN Nos. 2907, 3319 and 3344): total	120 000 kg
Other goods	No limitation
<i>Class 4.2</i>	
All goods of packing groups I or II for which, <u>in addition to a danger label of model 4.2</u> , label No. 6.1 is required in column (5) of Table A of Chapter 3.2: total	300 000 kg
Other goods	No limitation
<i>Class 4.3</i>	
All goods of packing groups I or II for which, <u>in addition to a danger label of model 4.3</u> , label No. 3, 4.1 or 6.1 is required in column (5) of Table A of Chapter 3.2: total	300 000 kg
Other goods	No limitation
<i>Class 5.1</i>	
All goods of packing groups I or II for which, <u>in addition to a danger label of model 5.1</u> , label No. 6.1 is required in column (5) of Table A of Chapter 3.2: total	300 000 kg
Other goods	No limitation
<i>Class 5.2</i>	
UN Nos. 3101, 3102, 3111 and 3112: total	15 000 kg

Other goods	120 000 kg
<i>Class 6.1</i>	
All goods of packing group I: total	120 000 kg
All goods of packing group II: total	300 000 kg
All goods carried in bulk:	0 kg
Other goods	No limitation
<i>Class 7</i>	
UN Nos. 2912, 2913, 2915, 2916, 2917, 2919, 2977, 2978 and 3321 to 3333	0 kg
Other goods	No limitation
<i>Class 8</i>	
All goods of packing group I; goods of packing group II for which, <u>in addition to a danger label of model 8</u> , label No. 3 or 6.1 is required in column (5) of Table A in Chapter 3.2: total	300 000 kg
Other goods	No limitation
<i>Class 9</i>	
All goods of packing group II: total	300 000 kg
UN No. 3077, for goods carried in bulk and classified as hazardous to the aquatic environment, categories Acute 1 or Chronic 1, in accordance with 2.4.3:	0 kg
Other goods	No limitation

7.1.4.1.2 Subject to 7.1.4.1.3, the maximum quantity of dangerous goods permitted on board a vessel or on board each unit of a pushed convoy or side-by-side formation is 1,100,000 kg. This limitation shall not apply to other goods listed in 7.1.4.1.1 that may be transported in unlimited quantities.

And left without amendment (solely for clarity):

7.1.4.1.3 The limitations of 7.1.4.1.1 and 7.1.4.1.2 shall not apply in the case of transport of dangerous goods of classes 2, 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 7, 8 and 9, except of those for which a label of model No. 1 is required in column (5) of Table A of Chapter 3.2, on board double-hull vessels complying with the additional requirements of 9.1.0.88 to 9.1.0.95 or 9.2.0.88 to 9.2.0.95.