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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)

Twenty-fifth session

Geneva, 25–29 August 2014

Item 4 (a) of the provisional agenda

**Proposals for amendments to the Regulations annexed to ADN:
Work of the RID/ADR/ADN Joint Meeting**

European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)^{1,2}

Draft amendments to the Regulations annexed to ADN

Note by the secretariat

Introduction

1. The Safety Committee may wish to consider the work of the RID/ADR/ADN Joint Meeting at its spring 2014 session (ECE/TRANS/WP.15/AC.1/134 and Add.2).
2. At its ninety-sixth session in May 2014, the Working Party on the Transport of Dangerous Goods (WP.15) adopted an additional list of amendments to ADR for which entry into force is scheduled for 1 January 2015 (ECE/TRANS/WP.15/222/Corr.1 and ECE/TRANS/WP.15/222/Add.1).
3. The present document contains the additional amendments which are also relevant for ADN.

¹ In accordance with the programme of work of the Inland Transport Committee for 2012-2016 (ECE/TRANS/224, para 94, ECE/TRANS/2012/12, programme activity 02.7, (A1b)).

² Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR/ZKR/ADN/WP.15/AC.2/2014/35.

ECE/TRANS/WP.15/AC.1/134/Add.2

A. Modifications to document ECE/ADN/27:

Chapter 3.3

3.3.1 Replace the amendment to special provision 594 by the following amendment:

SP 594 Amend to read as follows:

"594 The following articles, manufactured and filled according to the provisions applied in the country of manufacture, are not subject to the requirements of ADN:

(a) UN No. 1044 fire extinguishers provided with protection against inadvertent discharge, when:

- they are packaged in a strong outer packaging; or
- they are large fire extinguishers which meet the requirements of special packing provision PP91 of packing instruction P003 in 4.1.4.1;

(b) UN No. 3164 articles, pressurized pneumatic or hydraulic, designed to withstand stresses greater than the internal gas pressure by virtue of transmission of force, intrinsic strength or construction, when they are packaged in a strong outer packaging.

NOTE: "Provisions applied in the country of manufacture" means the provisions applicable in the country of manufacture or those applicable in the country of use."

(Reference document: ECE/TRANS/WP.15/AC.1/2014/14 as amended)

SP 663 Insert a new fourth indent to read as follows:

"– Radioactive material; nor".

(Reference document: informal document INF.34)

Chapter 5.5

5.5.3.1.5 Delete the last sentence.

(Reference document: ECE/TRANS/WP.15/AC.1/2014/25)

B. New amendments

Chapter 1.1

1.1.3.3 Replace "vessels, vehicles or wagons carried" by "vessels, vehicles, wagons or non-road mobile machinery as defined in Article 2 of Directive 97/68/EC¹ carried"

¹ 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 (Official Journal of the European Communities No. L 059 of 27 February 1998).

Renumber footnote of 1.1.4.3 as footnote 2.

(Reference document: ECE/TRANS/WP.15/AC.1/2014/8 as amended)

Chapter 1.2

1.2.1 Under the definition of "Bulk container", insert the following definition:

"*Flexible bulk container*" means a flexible container with a capacity not exceeding 15 m³ and includes liners and attached handling devices and service equipment;"

1.2.1 Under the definition of "Bulk container", insert the definitions of "*Closed bulk container*" and "*Sheeted bulk container*" contained in 6.11.1 in alphabetical order.

1.2.1 Insert in alphabetical order:

"*Closed bulk container*", see "*Bulk container*";"

"*Flexible bulk container*", see "*Bulk container*";"

"*Sheeted bulk container*", see "*Bulk container*";".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/3 as amended)

1.2.1 In the definition of "*Protective shoes*", replace "EN 346:1997" by "EN ISO 20346:[2014]".

(Reference document: informal document INF.21/Rev.1)

Chapter 2.2

2.2.3.1.4 Amend to read as follows:

"2.2.3.1.4 Viscous flammable liquids such as paints, enamels, lacquers, varnishes, adhesives and polishes having a flash-point of less than 23 °C may be assigned to packing group III in conformity with the procedures prescribed in the Manual of Tests and Criteria, Part III, sub-section 32.3, provided that:

(a) The viscosity² and flash-point are in accordance with the following table:

<i>Kinematic viscosity (extrapolated) ν (at near-zero shear rate) mm²/s at 23°C</i>	<i>Flow-time t in seconds</i>	<i>Jet diameter (mm)</i>	<i>Flash-point, closed-cup (°C)</i>
20 < ν ≤ 80	20 < t ≤ 60	4	above 17
80 < ν ≤ 135	60 < t ≤ 100	4	above 10
135 < ν ≤ 220	20 < t ≤ 32	6	above 5
220 < ν ≤ 300	32 < t ≤ 44	6	above -1
300 < ν ≤ 700	44 < t ≤ 100	6	above -5
700 < ν	100 < t	6	no limit

(b) Less than 3% of the clear solvent layer separates in the solvent separation test;

(c) The mixture or any separated solvent does not meet the criteria for Class 6.1 or Class 8;

(d) The substances are packed in receptacles of not more than 450 litre capacity.

NOTE: *These provisions also apply to mixtures containing no more than 20% nitrocellulose with a nitrogen content not exceeding 12.6% by dry mass. Mixtures*

containing more than 20% but not more than 55% nitrocellulose with a nitrogen content not exceeding 12.6% by dry mass are substances assigned to UN No. 2059.

Mixtures having a flash-point below 23 °C and containing:

- *more than 55% nitrocellulose, whatever their nitrogen content; or*
- *not more than 55% nitrocellulose with a nitrogen content above 12.6% by dry mass,*
are substances of Class 1 (UN Nos. 0340 or 0342) or of Class 4.1 (UN Nos. 2555, 2556 or 2557)."

Footnote 2 unchanged.

(Reference document: ECE/TRANS/WP.15/AC.1/2014/20 as amended)

Chapter 5.3

5.3.1.2 The amendment in the French version does not apply to the English text.

5.3.1.4.1 The amendment in the French version does not apply to the English text.

ECE/TRANS/WP.15/222/Add.1

New amendments

Chapter 1.1

1.1.3.3 The text of footnote 1 reads as follows:

"¹ For the definition of non-road mobile machinery see paragraph 2.7 of the Consolidated Resolution on the Construction of Vehicles (R.E.3) (United Nations document ECE/TRANS/WP.29/78/Rev.3) or Article 2 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 (Official Journal of the European Communities No. L 059 of 27 February 1998)."

Renumber footnote of 1.1.4.3 as footnote 2.

1.1.3.7 Amend the beginning of the paragraph, before sub-paragraph (a), to read as follows:

"1.1.3.7 *Exemptions related to the carriage of electric energy storage and production systems*

The provisions laid down in ADR do not apply to electric energy storage and production systems (e.g., lithium batteries, electric capacitors, asymmetric capacitors, metal hydride storage systems and fuel cells):"

1.1.3.7 In subparagraphs (a) and (b), delete "Lithium batteries".

Chapter 1.2

1.2.1 Under the definition of "Bulk container", insert the definitions of "*Closed bulk container*" and "*Sheeted bulk container*" contained in 6.11.1 of ADR in alphabetical order.

Insert in alphabetical order:

"Closed bulk container", see "Bulk container";

"Sheeted bulk container", see "Bulk container";

1.2.1 Under the definition of "Tank", replace "as defined in this Part" by "as defined in this section".

Chapter 1.8

1.8.3.9 Replace "laws, regulations and administrative provisions applicable to the modes of transport concerned" by "applicable laws, regulations and administrative provisions".

1.8.3.13 Delete the last sentence.

Chapter 2.2

2.2.3.1.1 The amendment to the French text does not apply to the English text.

2.2.3.1.4 Amend to read as follows:

"2.2.3.1.4 Viscous flammable liquids such as paints, enamels, lacquers, varnishes, adhesives and polishes having a flash-point of less than 23 °C may be assigned to packing group III in conformity with the procedures prescribed in the Manual of Tests and Criteria, Part III, sub-section 32.3, provided that:

(a) The viscosity² and flash-point are in accordance with the following table:

<i>Kinematic viscosity (extrapolated) ν (at near-zero shear rate) mm²/s at 23°C</i>	<i>Flow-time t in seconds</i>	<i>Jet diameter (mm)</i>	<i>Flash-point, closed-cup (°C)</i>
20 < ν ≤ 80	20 < t ≤ 60	4	above 17
80 < ν ≤ 135	60 < t ≤ 100	4	above 10
135 < ν ≤ 220	20 < t ≤ 32	6	above 5
220 < ν ≤ 300	32 < t ≤ 44	6	above -1
300 < ν ≤ 700	44 < t ≤ 100	6	above -5
700 < ν	100 < t	6	no limit

(b) Less than 3% of the clear solvent layer separates in the solvent separation test;

(c) The mixture or any separated solvent does not meet the criteria for Class 6.1 or Class 8;

(d) The substances are packed in receptacles of not more than 450 litre capacity.

NOTE: *These provisions also apply to mixtures containing no more than 20% nitrocellulose with a nitrogen content not exceeding 12.6% by dry mass. Mixtures containing more than 20% but not more than 55% nitrocellulose with a nitrogen content not exceeding 12.6% by dry mass are substances assigned to UN No. 2059.*

Mixtures having a flash-point below 23 °C and containing:

- *more than 55% nitrocellulose, whatever their nitrogen content; or*
- *not more than 55% nitrocellulose with a nitrogen content above 12.6% by dry mass,*

are substances of Class 1 (UN Nos. 0340 or 0342) or of Class 4.1 (UN Nos. 2555, 2556 or 2557)."

Footnote 2 unchanged.

2.2.52.1.8 At the beginning, delete ", formulations or mixtures of organic peroxides".

2.2.9.1.10.1.3 The amendment to the French text does not apply to the English text.

Chapter 3.2, Table A

For UN No. 1972, in column (6), insert "660".

Chapter 3.3

SP 660 Amend footnote 6 in special provision 660 to read as follows:

"⁶ *ECE Regulation No. 110 (Uniform provisions concerning the approval of:*

I. Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system;

II. Vehicles with regard to the installation of specific components of an approved type for the use of compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system.)"

Chapter 5.2

5.2.2.1.11.1 Delete the third sentence which reads: "Each overpack containing radioactive material shall bear at least two labels on opposite sides of the outside of the overpack."

Chapter 5.3

5.3.1.2 The amendment to the French text does not apply to the English text.

5.3.1.4.1 The amendment to the French text does not apply to the English text.

Chapter 5.4

5.4.3.4, in the first page of the Instructions in writing, amend the second indent to read as follows:

"- Avoid sources of ignition, in particular, do not smoke, use electronic cigarettes or similar devices or switch on any electrical equipment."

ECE/TRANS/WP.15/222/Corr.1

Modifications to document ECE/ADN/27:

1. Page 37, amendment to Part 3, Chapter 3.3, SP 594

For the existing text, *substitute*

SP 594 Amend to read as follows:

"594 The following articles, manufactured and filled according to the provisions applied in the country of manufacture, are not subject to the requirements of ADN:

(a) UN No. 1044 fire extinguishers provided with protection against inadvertent discharge, when:

- they are packaged in a strong outer packaging; or
 - they are large fire extinguishers which meet the requirements of special packing provision PP91 of packing instruction P003 in 4.1.4.1 of ADR;
- (b) UN No. 3164 articles, pressurized pneumatic or hydraulic, designed to withstand stresses greater than the internal gas pressure by virtue of transmission of force, intrinsic strength or construction, when they are packaged in a strong outer packaging.

NOTE: "Provisions applied in the country of manufacture" means the provisions applicable in the country of manufacture or those applicable in the country of use."

2. Page 42, amendment to Part 3, Chapter 3.3, new special provision SP663, after the third indent under "Scope"

Insert

- Radioactive material; nor

3. Page 53, amendment to Part 5, Chapter 5.5, new paragraph 5.5.3.1.5, last sentence

Delete
