



Economic and Social Council

Distr.: General
15 November 2021
English
Original: English and French

Economic Commission for Europe

Administrative Committee of the
European Agreement concerning the International Carriage
of Dangerous Goods by Inland Waterways (ADN)

Twenty-seventh session

Geneva, 28 January 2022

Item 5 of the provisional agenda

Work of the Safety Committee

Proposed amendments to the Regulations annexed to ADN for entry into force on 1 January 2023

Note by the secretariat*

1. At its twenty-sixth session, the ADN Administrative Committee requested the secretariat to consolidate in a single document all the draft amendments adopted in 2020 and 2021 that had not yet been approved by the Administrative Committee (ECE/ADN/58, para. 14).
2. The present document is a consolidation of the proposed amendments to the Regulations annexed to ADN that the Safety Committee has adopted for entry into force on 1 January 2023:
 - (a) at its thirty-eighth session (ECE/TRANS/WP.15/AC.2/78, annex I);
 - (b) at its thirty-seventh session (ECE/TRANS/WP.15/AC.2/76, annex I).
3. Each proposed amendment is followed by a reference to the document in which the amendment was proposed.
4. The Safety Committee is expected to verify at its thirty-ninth session the proposed amendments which are still in square brackets, if any and to report its conclusions to the ADN Administrative Committee which will be invited to endorse all amendments.

* Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR/ZKR/ADN/2022/1



Chapter 1.6

1.6.7.2.1.1 Insert the following new transitional provision:

8.6.1.1	Changes to certificate of approval, numbers 4 and 8	N.R.M. from 1. January 2023 Renewal of the certificate of approval after 31 December 2022
---------	---	--

(Reference document: ECE/TRANS/WP.15/AC.2/78)

1.6.7.2.2.2 Insert two new transitional provisions to read as follows:

1.6.7.5.1 (d)	Note of the transitional provisions actually applied	Renewal of the certificate of approval after 31 December 2022
1.16.1.4.2 (e)	Date of application of the transitional provisions in the annex to the certificate of approval in the event of modification	Renewal of the certificate of approval after 31 December 2022

(Reference document: ECE/TRANS/WP.15/AC.2/76)

1.6.7.2.2.2 Renumber transitional provision for 9.3.1.0.3 (d), 9.3.2.0.3 (d) and 9.3.3.0.3 (d) "Fire-resistant materials of accommodation and wheelhouse" as 9.3.1.0.6, 9.3.2.0.6 and 9.3.3.0.6.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

1.6.7.5.1 (d) Amend the beginning to read as follows:

"The application of this sub-section, including the transitional provisions actually applied, shall be entered...". Remainder unchanged.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

1.6.8.1 Delete and insert: "1.6.8.1 Deleted".

(Reference document: ECE/TRANS/WP.15/AC.2/78)

Chapter 1.16

1.16.1.4.2 Insert a new subparagraph (e) to read as follows:

- "(e) In a derogation to subparagraphs (a) to (d), the date of presentation for first inspection for obtaining a certificate of approval after the conversion of an existing type of tank vessel, a type of cargo tank or a cargo tank design to another type or design at a higher level."

(Reference document: ECE/TRANS/WP.15/AC.2/76)

Chapter 3.2, Table A

For UN No. 1408, in column (6) insert "802".

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 1694, in column (6) delete "302" and insert "802".

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 1872, in column (6) delete "802" and in column (9) delete "EP".

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 1950, in column (10) insert "VE04".

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN Nos. 2381, 3483, 3543, 3544, 3545, 3546, 3547 and 3548, in column (6) insert "802".

(Reference document: ECE/TRANS/WP.15/AC.2/78)

For UN No. 3206, in column (6) delete “183” and insert “182”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 3408, in column (6) insert “802”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 3440, all entries, in column (6) insert “563”.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

For UN No. 3494, all entries, in column (6) delete “649”.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

For UN Nos. 3537, 3539, 3540, 3541 and 3542, in column (6) delete “649”.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

Chapter 3.2, Table C

For UN No. 1010, 1,2-BUTADIENE, STABILIZED, REFRIGERATED, amend column (2) to read: “BUTADIENES (1,2-BUTADIENE), STABILIZED, REFRIGERATED”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 1010, 1,3-BUTADIENE, STABILIZED, REFRIGERATED, amend column (2) to read: “BUTADIENES (1,3-BUTADIENE), STABILIZED, REFRIGERATED”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 1010, BUTADIENES STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l (contains less than 0.1% 1,3-butadiene):

amend column (2) to read: “BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40% butadienes (contains less than 0.1% 1,3-butadiene).”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 1010, BUTADIENES STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l (contains less than 0.1% 1,3-butadiene):

amend column (2) to read: “BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED, containing more than 40% butadienes (contains less than 0.1% 1,3-butadiene).”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 1010, BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l, (with 0.1% or more 1,3-butadiene):

amend column (2) to read: “BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40% butadienes (contains 0.1% or more 1,3-butadiene).”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For UN No. 1010, BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l, (with 0.1% or more 1,3-butadiene):

amend column (2) to read: “BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED, containing more than 40% butadienes (contains 0.1% or more 1,3-butadiene).”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

For identification No. 9004, amend column (5) to read “9 + S”

(Reference document: ECE/TRANS/WP.15/AC.2/78)

Chapter 3.2

3.2.3.3 Amend Scheme B to read as follows:

Scheme B: Criteria for equipment of vessels of type N with closed cargo tanks

Ascertain which substance/cargo tank characteristics in the first six columns are relevant. Select the applicable row in the relevant column. The cargo tank equipment requirements for N-vessels with closed cargo tanks are then described in this row in the seventh column. If multiple columns are relevant select the topmost relevant row in the seventh column.

<i>Substance/cargo tank characteristics</i>						<i>Requirements arising</i>
<i>Class 3, flash-point < 23°C</i>			<i>Corrosive substances</i>	<i>CMR substances</i>		<i>Cargo tank equipment</i>
175 kPa ≤ P _{v 50} < 300 kPa without refrigeration						Pressure tank (400 kPa)
175 kPa ≤ P _{v 50} < 300 kPa, with refrigeration						Pressure relief valve/high velocity vent valve opening pressure: 50 kPa (with refrigeration (No. 1 in column (9)))
	150 kPa ≤ P _{v 50} < 175 kPa	110 kPa ≤ P _{v 50} < 150 kPa without water spraying				Pressure relief valve/high velocity vent valve opening pressure: 50 kPa
		110 kPa ≤ P _{v 50} < 150 kPa with water spraying			Vapour pressure > 10 kPa (calculation of the vapour pressure according to the formula for column 10, except that v _a = 0.03)	Pressure relief valve/high velocity vent valve opening pressure: 10 kPa (with water spraying (No. 3 in column (9)))
			P _{v 50} < 110 kPa	Packing group I or II with P _{v 50} > 12.5 kPa or reacting dangerously with water or with gases in solution	Vapour pressure ≤ 10 kPa (calculation of the vapour pressure according to the formula for column 10, except that v _a = 0.03)	Pressure relief valve/high velocity vent valve opening pressure: 10 kPa

(Reference document: ECE/TRANS/WP.15/AC.2/78)

Chapter 7.2

7.2.4.41 In the first sentence, after “and smoking” insert “, including electronical cigarettes”.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

7.2.5.4.2 Amend the beginning of the first sentence to read as follows:

“An expert in accordance with 8.2.1.2 shall be permanently on board...”.
Remainder unchanged.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

Chapter 7.4

7.1.4.4.4 Amend the legend to “Examples of stowage and segregation of containers” under R to read as follows:

“R Container (e.g. reefer) with electrical equipment which do not fulfil the requirements in 7.1.4.4.4 (a).”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

7.1.4.4.4 Amend the legend to “Examples of stowage and segregation of containers” under Z to read as follows:

“Z Electrical installations and equipment which do not fulfil the requirements in 7.1.4.4.4 (a).”.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

Chapter 8.1

8.1.2.9 Amend the beginning to read as follows:

“8.1.2.9 8.1.2.1 (b), 8.1.2.1 (g) and 8.1.2.4 do not apply to oil separator vessels...”.
Remainder unchanged.

(Reference document: ECE/TRANS/WP.15/AC.2/76)

Chapter 8.2

8.2.2.7.2.1 Amend the second sentence to read as follows: “This examination shall be held either immediately after the training or within six months following the completion of such training.”

(Reference document: ECE/TRANS/WP.15/AC.2/78)

Chapter 8.6

8.6.1.1 and 8.6.1.2 In point 4, replace “Additional requirements” by “Requirements”.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

8.6.1.1 In point 8, amend the introductory text to read as follows: “This certificate is delivered on the basis of:”.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

Chapter 9.3

9.3.1.0 Amend as follows:

Renumber the first paragraph of 9.3.1.0.1 (a) as 9.3.1.0.1.1. At the end, after “equivalent metal” add “, special provisions of the additional requirements/remarks of column 20 of Table C of Chapter 3.2 excepted”.

Renumber the second paragraph of 9.3.1.0.1 (a) as 9.3.1.0.1.2.

Renumber 9.3.1.0.1 (b) as 9.3.1.0.2.

Renumber 9.3.1.0.2 as 9.3.1.0.3. Replace “plastic materials or rubber” by “plastic materials, rubber, glass or composite”.

Renumber 9.3.1.0.3 as 9.3.1.0.4. Replace “plastic materials or rubber” by “plastic materials, rubber, glass or composite”.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

9.3.2.0 and 9.3.3.0 Amend as follows:

Renumber the first paragraph of 9.3.2.0.1 (a) and 9.3.3.0.1 (a) as 9.3.2.0.1.1 and 9.3.3.0.1.1, respectively. At the end, after “equivalent metal” add “, special provisions of the additional requirements/remarks of column 20 of Table C of Chapter 3.2 excepted”.

Renumber the second paragraph of 9.3.2.0.1 (a) and 9.3.3.0.1 (a) as 9.3.2.0.1.2 and 9.3.3.0.1.2, respectively.

Renumber 9.3.2.0.1 (b) and 9.3.3.0.1 (b) as 9.3.2.0.2 and 9.3.3.0.2, respectively.

Renumber 9.3.2.0.2 and 9.3.3.0.2 as 9.3.2.0.3 and 9.3.3.0.3, respectively. Replace “plastic materials or rubber” by “plastic materials, rubber, glass or composite”.

Renumber 9.3.2.0.3 and 9.3.3.0.3 as 9.3.2.0.4 and 9.3.3.0.4, respectively. Replace “plastic materials or rubber” by “plastic materials, rubber, glass or composite”.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

9.3.x.0 Replace the Table under 9.3.x.0.4 (former 9.3.x.0.3) by the following Table:

(X means "allowed")

	<i>Wood</i>	<i>Aluminium alloys</i>	<i>Plastic material / Composite</i>	<i>Rubber</i>	<i>Glass</i>
Permanently installed materials					
Chocking of cargo tanks which are independent of the vessel's hull and chocking of installations and equipment	X		X		
Masts and similar round timber	X	X	X		
Engine parts		X	X		
Protective covers of engines and pumps			X		
Notice boards (Prohibition of admittance and smoking)		X	X		
Parts of the electrical installation		X	X		
	According to the applicable technical norms				
Parts of the loading and unloading installation, e.g., gaskets		X	X	X	
Supports and stops of any kind	X		X		
Ventilators, including hose assemblies for ventilation		X	X		
Parts of the water spray system, the shower and the eye and face bath		X	X		
Insulation of cargo tanks and of piping for loading and unloading, gas discharge pipes and heating pipes		X	X	X	
Coating of cargo tanks and of piping for loading and unloading		X	X	X	
Insulation of cargo tanks (Table C, Column (20), Remark. 32)		X	X	X	
All kinds of gaskets		X	X	X	
	Subject to Table C, Column (20), Remark 39 a)				
Cables for electrical equipment			X	X	
	According to the applicable technical Norms				
Boxes, cabinets or other receptacles placed on the deck for storage of disposal and recovery equipment for capstans, extinguishers, fire hoses, etc.		X	X		
Boxes, cabinets or other receptacles placed on the deck for storage of disposal of waste		X	X		
	For oily and greasy wastes fire-resistant receptacles only (7.2.1.21.6)				

	<i>Wood</i>	<i>Aluminium alloys</i>	<i>Plastic material / Composite</i>	<i>Rubber</i>	<i>Glass</i>
	<i>Wood</i>	<i>Aluminium alloys</i>	<i>Plastic material / Composite</i>	<i>Rubber</i>	<i>Glass</i>
Portable equipment					
Gangways	X	X	X	X	
External ladders and passageways (gangways) *)		X	X	X	
Outboard ladders		X	X	X	
Ladders		X	X	X	
Cleaning equipment, e.g. brooms	X	X	X	X	
Fire extinguishers, portable gas detectors,		X	X	X	
Rescue winches		X			
Personal protective and safety equipment, rescue equipment conforming to ES-TRIN		X	X	X	
Drip trays			X		
Fenders	X		X	X	
Mooring lines, ropes for tenders, etc.			X		
			respecting 7.x.4.76		
Mat under hose assemblies for loading and unloading piping system			X	X	
Fire hoses, air hoses, hoses for cleaning the deck, etc.			X	X	
Other kinds of hoses	In line with 8.1.6.2 and Norms mentioned				
Aluminium gauging rods		X			
	If fitted with brass feet or protected in another way to avoid sparking.				
Sampling equipment			X		

	<i>Wood</i>	<i>Aluminium alloys</i>	<i>Plastic material / Composite</i>	<i>Rubber</i>	<i>Glass</i>
Receptables for oily and greasy wastes (7.2.4.1)		X	X		
	fire-resistant receptables, (7.2.1.21.6)				
Receptables for residual products and receptables for slops		X	X		
	Respecting ADR, RID or IMDG-Code regarding the admission requirements of materials.				
Sampling bottles			X		X
	Respecting ADR, regarding the admission requirements of materials.				
Photo-optical copies of the certificate of approval according to 8.1.2.6 or 8.1.2.7, and of the vessel's certificate, the measurement certificate and other applicable documents ¹		X	X		
Aluminum basket for storing of mooring wires/lines		X			
Boot's hook	X	X	X		
Ship's boat (In case of 7.2.3.29.1 and 7.2.3.31.1 allowed in the cargo area)		X	X		
	Only when the material shall not readily ignite				

(Reference document: ECE/TRANS/WP.15/AC.2/78)

¹ The Rhine or Danube navigation membership certificate.

- 9.3.x.0 Replace the paragraphs after the Table by the following paragraphs:
- “9.3.x.0.5 The paint used in the cargo area shall not be liable to produce sparks in case of impact.
- 9.3.x.0.6 All permanently fitted materials in the accommodation or wheelhouse, with the exception of furniture, shall not readily ignite. They shall not evolve fumes or toxic gases in dangerous quantities, if involved in a fire.”.

(Reference document: ECE/TRANS/WP.15/AC.2/78)

- 9.3.3.12.8 Amend to read as follows:

“9.3.3.12.8 9.3.3.12.6 does not apply to open type N.”

(Reference document: ECE/TRANS/WP.15/AC.2/76)

- 9.3.x.40.1 The amendment does not apply to the English text. In the Russian version, replace “mean of propulsion” by “means of propulsion”.

- 9.3.3.40.1 At the end of the first indent, add the following text:

“When an unmanned pushed barge has only one energy source and the second energy source needs to be supplied by another manned vessel, the approval certificate shall indicate under number 13, Additional obligations, that: “When dangerous goods are carried, the fire extinguishing system shall be permanently supplied with energy by another vessel alongside its own energy source.”.”

(Reference document: ECE/TRANS/WP.15/AC.2/76)

- 9.3.3.60 Amendment does not apply to the English text.

(Reference document: ECE/TRANS/WP.15/AC.2/78)
