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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-eighth session
Geneva, 25-29 January 2016

Report of the Joint Meeting of Experts on the Regulations annexed to the European Agreement concerning the International

Carriage of Dangerous Goods by Inland Waterways (ADN Safety Committee) on its twenty-eighth session¹

Addendum

Annex I

Proposed amendments to the Regulations annexed to ADN for entry into force on 1 January 2017

¹ Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR/ZKR/ADN/WP.15/AC.2/58/Add.1.

A. Draft amendments adopted at previous sessions

The draft amendments adopted at previous sessions (ECE/ADN/2016/1) were confirmed with the following modification:

Special provision 803 (c) Amend the end to read as follows: "...is carried out from the first day over the maximum duration. The necessary monitoring apparatus shall be on board as from the first day of the carriage following the maximum duration of the journey;".

(Reference document: ECE/TRANS/WP.15/AC.2/2016/23 as amended)

B. Draft amendments adopted on the basis of the work of the United Nations Sub-Committee of Experts on the Transport of Dangerous Goods by the RID/ADR/ADN Joint Meeting and WP.15

Document ECE/TRANS/WP.15/AC.2/2016/1 was adopted with the following modifications:

2.2.9.1.10.2.5 Amendment should be to 2.4.2.5 in ADN.

For UN Nos. 3528, 3529 and 3530 The modification does not apply to the English text.

(Reference document: informal document INF.6)

Special provision 310 Amendment does not apply to the English text.

(Reference document: informal document INF.8)

Special provision 369 Replace "with radioactive material and corrosivity subsidiary risks" by "with radioactivity and corrosivity subsidiary risks".

(Reference document: informal document INF.8)

Document ECE/TRANS/WP.15/AC.2/2016/16 was adopted with the following modifications:

2.2.9.1.2, 2.2.9.1.5 The modification does not apply to the English text.

For UN No. 3171, in column (6), replace "665 666" by "666 667".

Special provision 666 (b) Replace "fuel cocks" by "valves".

Before "665 (*Reserved*)", replace the proposed consequential amendments by the following:

"Consequential amendments: Delete "378-499 (*Reserved*)". After special provision 386, insert "387-499 (*Reserved*)".

Chapter 3.3 For "665 (*Reserved*)" read "664-665 (*Reserved*)".

Special provision 668 (b) The modification does not apply to the English text.

3.4.13 (b) Replace the proposed amendment by the following:

"3.4.13 (b) The amendment does not apply to the English text.

3.4.13 (c) Amend the end to read as follows: "...and the marks in accordance with 3.4.15."

3.4.13 In the paragraph after (c), replace “marking affixed to the container is” by “marks affixed to the container are” and at the end, replace “same marking” by “same marks”.”.

5.5.3.3.3 Amend the proposed text for 5.5.3.3.3 as follows:

In the first sentence, insert “, wagons” after “vehicles”.

In the indents, the first indent should be moved as second indent and should start with “- for vehicles, gas exchange.....” and delete “; or” at the end.

5.5.3.6.1 Insert a reference to wagons wherever reference is made to vehicles, as appropriate.

(Reference document: informal document INF.6)

C. Other amendments

Chapter 1.2

1.2.1 Amend the definition of LNG to read as follows:

“*Liquefied natural gas (LNG)* means a refrigerated liquefied gas composed of natural gas with a high methane content assigned to UN No. 1972;”.

(Reference document: informal document INF.6)

1.2.1 Add the following new definitions in alphabetical order:

“*Compressed natural gas (CNG)* means a compressed gas composed of natural gas with a high methane content assigned to UN No. 1971;”.

(Reference document: informal document INF.6)

“*Vessel record* means a file containing all the important technical information concerning a vessel or a barge such as construction plans and documents about the equipment;”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

Chapter 1.4

1.4.3.3 (filler), in subparagraph (s), insert “and unloading flows” after “instructions on loading”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/18)

1.4.3.7.1 (j) Amend the beginning to read: “Ascertain that the unloading flows conform to the instructions on loading and unloading flows referred to in...”. Remainder unchanged.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/18)

Chapter 1.6

1.6.7.2 Add new transitional provisions to read as follows:

“1.6.7.2.1.4 For a vessel or a barge whose keel was laid before 1 July 2017 and which does not conform to the requirements of 9.0.X.1 concerning the vessel record, the retention of files for the vessel record shall start at the latest at the next renewal of the certificate of approval.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20 as amended)

“1.6.7.2.2.5 For a vessel or a barge whose keel was laid before 1 July 2017 and which does not conform to the requirements of 9.3.X.1 concerning the vessel record, the retention of files for the vessel record shall start at the latest at the next renewal of the certificate of approval.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20 as amended)

1.6.7.4.2 Delete Table 2 and insert “Table 2. Until 31.12.2015 (Deleted)”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/13)

Insert a new 1.6.9 to read as follows:

“1.6.9 Transitional provisions concerning recognition of classification societies

1.6.9.1 The provisions of 1.15.3.8 concerning the maintenance of an effective system of internal quality by the recommended classification societies may be applied until 14 September 2018 in the version applicable on 31 December 2015.”.

(Reference document: informal document INF.7)

Chapter 1.15

1.15.3.8 Replace “EN ISO 9001:2008 + AC:2009” by “EN ISO 9001:2015”.

(Reference document: informal document INF.7)

Chapter 1.16

1.16 Add a new paragraph to read as follows:

“1.16.0 For the purposes of this Chapter, “owner” means “the owner or his designated representative or, if the vessel is chartered by an operator, the operator or his designated representative”.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

1.16.1.2.2 Amend the end to read as follows: “...construction and equipment comply completely with the applicable requirements of this Regulation.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

1.16.1.2.5, second paragraph In the third sentence at the end, insert “recognized” before “classification society”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

1.16.1.2.5, last paragraph before the Note Amend the beginning to read as follows: “The recognized classification society shall without delay, after the delivery to the holder of the certificate of approval, transmit a copy of the vessel substance list...”. Remainder unchanged.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

1.16.1.3.1 Amend as follows:

1.16.1.3.1 (a) Replace “provisions” by “requirements”.

1.16.1.3.1 Add a new subparagraph (b) to read:

“(b) The vessel does not comply with every applicable requirement of these Regulations, but the safety of carriage is not impaired according to the appraisal of the competent authority.

The one-off provisional certificate of approval shall be valid for an appropriate period to bring the vessel into compliance with the applicable provisions, but not exceeding three months.

The competent authority may request additional reports in addition to the inspection report and may require additional conditions.

NOTE: *For the issuance of the final certificate of approval according to 1.16.1.2 a new inspection report according to 1.16.3.1 shall be prepared, which confirms conformity also with all hitherto unfulfilled requirements of these Regulations.”*

Renumber existing subparagraph (b) as (c).

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20 as amended)

1.16.1.3 Add a new 1.16.1.3.3 to read as follows:

“1.16.1.3.3 For tank vessels, the relief pressure of the safety valves or of the high-velocity vent valves shall be entered in the certificate of approval.

If a vessel has cargo tanks with different valve opening pressures, the opening pressure of each tank shall be entered in the certificate of approval.”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

1.16.2.1 At the end of the first paragraph, delete “or his representative”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

1.16.2.1 Delete the last sentence that reads: “The period of validity shall not exceed five years subject to the provisions of 1.16.11.”

(Reference document: informal document INF.10)

1.16.2.1 At the end, add a new paragraph to read as follows:

“The Contracting Parties shall communicate to the secretariat of the United Nations Economic Commission for Europe (UNECE) the contact information of the authorities and bodies designated by them which are competent in accordance with national law for the issuance of certificates of approval.

The UNECE secretariat shall bring them to the attention of the Contracting Parties through its website.”

(Reference document: informal document INF.30 as amended)

1.16.3 Amend as follows:

1.16.3.1 At the end of the second sentence, insert “according to Chapter 1.15” after “a recognized classification society”. Amend the end of the second sentence to read as follows: “...conforms partially or completely to the applicable requirements of these Regulations related to the construction and equipment of the vessel.”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

Insert a new 1.16.3.2 to read:

“1.16.3.2 This inspection report shall contain:

- Name and address of the Inspection Body or the recognized classification society that carried out the inspection;

- Applicant of the inspection;
- Date and place of the inspection;
- Type of the inspected vessel;
- Identification of the vessel (name, vessel number, ENI number, etc.);
- Declaration that the vessel conforms partially or completely to the applicable requirements of ADN on the construction and equipment of the vessel (in the version applicable on the date of the inspection or, if later, on the estimated date of issuance of the certificate of approval);
- Indication (list, description and references in ADN) of any non-conformities;
- Used transitional provisions;
- Used equivalents and derogations from the regulations applicable to the vessel with reference to the relevant recommendation of the ADN Administrative Committee;
- Date of issuance of the inspection report;
- Signature and official seal of the inspection body or recognized classification society.

If the inspection report does not ensure that all the applicable requirements referred to in 1.16.3.1 are fulfilled, the competent authority may require any additional information in order to issue a provisional certificate of approval according to 1.16.1.3.1 (b).

The authority which is issuing the certificate of approval may request information about the name of the office and surveyor(s) which carried out the inspection including email and phone number, but this information will not become part of the vessel record.”.

(Reference document: informal document INF.10 as amended)

Renumber existing 1.16.3.2 as 1.16.3.3. At the beginning, replace “This inspection report” by “The inspection report”.

Insert two new paragraphs to read as follows:

“1.16.3.4 The provisions of 1.16.3.1, 1.16.3.2 and 1.16.3.3 apply to the first inspection referred to in 1.16.8, to the special inspection referred to in 1.16.9 and to the periodic inspection referred to in 1.16.10.”.

“1.16.3.5 Where the inspection report is issued by a recognized classification society, the inspection report may include the certificate referred to in 9.1.0.88.1, 9.2.0.88.1, 9.3.1.8.1, 9.3.2.8.1 or 9.3.3.8.1.

The presence on board of the certificates issued by the recognized classification society for the purposes of 8.1.2.3 (f) and 8.1.2.3 (o) remains mandatory.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

1.16.5 Amend the first sentence to read: “The owner of a vessel shall deposit an application for a certificate of approval with the competent authority referred to in 1.16.2.1.”. Amend the last sentence to read: “In order to obtain a certificate of approval, at least a valid vessel certificate, the inspection report referred to in 1.16.3.1 and the certificate referred to in 9.1.0.88.1, 9.2.0.88.1, 9.3.1.8.1, 9.3.2.8.1 or 9.3.3.8.1 shall accompany the request.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20 as amended)

1.16.6.1, 1.16.6.3, 1.16.7.1, 1.16.9, 1.16.10.1 (twice) and 1.16.11 Delete “or his representative”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

1.16.10.3 Insert a new last sentence to read: “After this period of time, the vessel shall undergo a first inspection in accordance with 1.16.8.”.

(Reference document: informal document INF.10)

1.16.10.4 Insert “periodic” before “inspection”.

(Reference document: informal document INF.10)

1.16.11 Amend the beginning to read as follows: “By derogation from 1.16.10, at the substantiated request of the owner, the competent authority that has issued the certificate of approval may grant an extension...”.

(Reference document: informal document INF.10)

1.16.12.2 Delete “or operator”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

1.16.13 Amend as follows:

Amend the title to read: “Withdrawal, withholding and return of the certificate of approval”.

1.16.13.1 After “these Regulations” add “, or if the vessel’s highest class according to 9.2.0.88.1, 9.3.1.8.1, 9.3.2.8.1 or 9.3.3.8.1 is not valid”.

1.16.13.2 In the second paragraph, replace “1.16.2.1 to 1.16.9” by “1.16.9 and 1.16.13.1”.

1.16.13.4 In the first paragraph, insert “recognized” before “classification society”. Amend the end to read: “...hazard for the environment, or when the vessel’s highest class is not valid, it shall immediately notify the competent authority on behalf of which it acts with a view to a decision to withhold the certificate.”.

1.16.13.5 In the first paragraph, insert “recognized” before “classification society”, replace “1.16.13.1” by “1.16.13.4” and delete “or to his representative”. In the second paragraph, delete “or to his representative”, insert “recognized” before “classification society” twice and replace “retuned” by “returned”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

Chapter 3.2, Table A

For UN No. 1202, in column (2), replace “EN 590:2009 + A1:2010” by “EN 590:2013 + AC:2014” (twice).

(Reference document: informal document INF.6)

Chapter 3.2, Table C

3.2.3.1 In the introductory text, second paragraph, add a new third indent to read as follows:

“- If a cell contains an asterisk, “*”, the applicable requirements should be determined in accordance with 3.2.3.3.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/7 as amended)

3.2.3.1, Column (5), “Dangers” At the end, add a new paragraph to read as follows:

“Where the information is shown in brackets, only the relevant codes for the substance carried should be used.”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/7 as amended)

3.2.3.1, Column (16), “Explosion group” Amend the explanation to read as follows:

“Contains the explosion group of the substance.

Values between square brackets indicate the explosion group II B subgroups to be used in selecting the relevant self-contained protection systems (flame arresters, pressure/vacuum relief valves with integrated backfire-prevention device, and high velocity vent valves).

NOTE:

Where self-contained protection systems for explosion group II B are in place, products in explosion group II A or II B, including subgroups II B3, II B2 and II B1, may be transported.

Where self-contained protection systems for explosion group II B3 are in place, products in explosion subgroups II B3, II B2 and II B1, or in explosion group II A, may be transported.

Where self-contained protection systems for explosion group II B2 are in place, products in explosion subgroups II B2 and II B1, or in explosion group II A, may be transported.

Where self-contained protection systems for explosion group II B1 are in place, products in explosion subgroup II B1 or in explosion group II A may be transported.”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/4)

3.2.3.1, Column (20), paragraph 5 Amendment does not apply to the English text.

(Reference document: informal document INF.4/Rev.1)

3.2.3.1, Column (20), Remark 35 Amend to read as follows:

“35. Only an indirect system for the cargo refrigerating system is permitted for this substance. Direct or combined systems are not permitted.”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/8)

3.2.3.1, Column (20), Remark 36 Amend to read as follows:

“36. Merged with remark 35.”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/8)

3.2.3.1, Column (20), Remark 38 Amend to read as follows: “38. For an initial boiling point above 60 °C and under or equal to 85 °C as determined in accordance with ASTM D 86-01, the applicable conditions of transport are identical to those stipulated for an initial boiling point under or equal to 60 °C.”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/2)

3.2.3.1, Column (20) Add a new remark 43 to read as follows:

“43. It may be that the mixture has been classified as a floater as a precautionary measure, because some of its components meet the relevant criteria.”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/3)

3.2.3.1 In the following entries, insert “(II B3)” in column (16).

1038	ETHYLENE, REFRIGERATED LIQUID
1040	ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C
1092	ACROLEIN, STABILIZED
1098	ALLYL ALCOHOL
1165	DIOXANNE
2023	EPICHLOROHYDRIN

(Reference document: ECE/TRANS/WP.15/AC.2/2016/4)

3.2.3.1 In the following entries, insert “(II B2)” in column (16).

1033	DIMETHYL ETHER
1093	ACRYLONITRILE, STABILIZED
1120	BUTANOLS (n- BUTYL ALCOHOL)
1143	CROTONALDEHYDE or CROTONALDEHYDE, STABILIZED
1153	ETHYLENE GLYCOL DIETHYL ETHER
1171	ETHYLENE GLYCOL MONOETHYL ETHER
1218	ISOPRENE, STABILIZED
2608	NITROPROPANES

(Reference document: ECE/TRANS/WP.15/AC.2/2016/4)

3.2.3.1 In the following entries, insert “(II B2⁴)” in column (16).

1010	1,3-BUTADIENE, STABILIZED
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)
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)

(Reference document: ECE/TRANS/WP.15/AC.2/2016/4)

3.2.3.1 In the following entries, insert “(II B1)” in column (16).

1155	DIETHYL ETHER
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), aqueous solution with more than 70% alcohol by volume
1199	FURALDEHYDES (α -FURALDEHYDE) or FURFURALDEHYDES (α -FURFURYLALDEHYDE)
1662	NITROBENZENE
1917	ETHYL ACRYLATE, STABILIZED
1919	METHYL ACRYLATE, STABILIZED
2056	TETRAHYDROFURAN
2218	ACRYLIC ACID, STABILIZED
2278	n-HEPTENE
2303	ISOPROPENYLBENZENE
2348	BUTYL ACRYLATES, STABILIZED (n-BUTYL ACRYLATE, STABILIZED)
3092	1-METHOXY-2-PROPANOL

(Reference document: ECE/TRANS/WP.15/AC.2/2016/4)

3.2.3.1 In the following entries, insert “(II B1⁴)” in column (16).

1170	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), aqueous solution with more than 24 % and not more than 70 % alcohol by volume
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(Reference document: ECE/TRANS/WP.15/AC.2/2016/4)

3.2.3.1 In the following entries, replace “(II B1)” by “(II A⁷)” in column (16).

2458	HEXADIENES
2491	ETHANOLAMINE or ETHANOLAMINE SOLUTION
2811	TOXIC SOLID, ORGANIC, N.O.S. (1,2,3-TRICHLOROBENZENE, MOLTEN)
2811	TOXIC SOLID, ORGANIC, N.O.S. (1,3,5-TRICHLOROBENZENE, MOLTEN)

(Reference document: ECE/TRANS/WP.15/AC.2/2016/4)

3.2.3.1 For UN Nos. 1040, 1089, 1280 and 2983, insert “; 35” in column (20).

(Reference document: ECE/TRANS/WP.15/AC.2/2016/8)

3.2.3.1 Delete the existing entries corresponding to UN Nos. 1267, 1268, 1863, 1993 and 3295. Add the following new entries:

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1267	PETROLEUM CRUDE OIL	3	F1	I	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*	*	*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; *see 3.2.3.3
1267	PETROLEUM CRUDE OIL	3	F1	II	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*	*	*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; *see 3.2.3.3
1267	PETROLEUM CRUDE OIL	3	F1	III	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*	*	*	yes	T4 ³⁾	II B ⁴⁾	yes	*	0	14; *see 3.2.3.3
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	I	3+CMR+F+(N1, N2, N3)	C	1	1				95	1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29; 43
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	II	3+CMR+F+(N1, N2, N3)	C	1	1				95	1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE 60 °C < INITIAL BOILING POINT ≤ 85 °C	3	F1	II	3+CMR+F+(N1, N2, N3)	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	23; 29; 38
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE 85 °C < INITIAL BOILING POINT ≤ 115 °C	3	F1	II	3+CMR+F+(N1, N2, N3)	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE INITIAL BOILING POINT > 115 °C	3	F1	II	3+CMR+F+(N1, N2, N3)	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	III	3+CMR+F+(N1, N2, N3)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE 60 °C < INITIAL BOILING POINT ≤ 85 °C	3	F1	III	3+CMR+F+(N1, N2, N3)	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	23; 29; 38
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE 85 °C < INITIAL BOILING POINT ≤ 115 °C	3	F1	III	3+CMR+F+(N1, N2, N3)	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE INITIAL BOILING POINT > 115 °C	3	F1	III	3+CMR+F+(N1, N2, N3)	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	I	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; 27 *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; 27 *see 3.2.3.3
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	*	0	14; 27 *see 3.2.3.3

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	I	3+CMR+F+ (N1, N2, N3)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	27; 29; 43
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	II	3+CMR+F+ (N1, N2, N3)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	27; 29
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE 60 °C < INITIAL BOILING POINT ≤ 85 °C	3	F1	II	3+CMR+F+ (N1, N2, N3)	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	23; 27; 29; 38
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE 85 °C < INITIAL BOILING POINT ≤ 115 °C	3	F1	II	3+CMR+F+ (N1, N2, N3)	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	27; 29
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT > 115 °C	3	F1	II	3+CMR+F+ (N1, N2, N3)	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	27; 29

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTA) 110 kPa < vp50 ≤ 175 kPa	3	F1	II	3+N2+ CMR+F	N	2	3		50	97	0,735	3	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	14; 29
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTA) 110 kPa < vp50 ≤ 150 kPa	3	F1	II	3+N2+ CMR+F	N	2	3	3	10	97	0,735	3	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	14; 29
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTA) vp50 ≤ 110 kPa	3	F1	II	3+N2+ CMR+F	N	2	3		10	97	0,735	3	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	14; 29
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S (BENZENE HEART CUT) vp50 ≤ 110 kPa	3	F1	II	3+N2+ CMR+F	N	2	3		10	97	0,765	3	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	14; 29
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	I	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*	*	*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	II	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*	*	*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	III	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*	*	*	yes	T4 ³⁾	II B ⁴⁾	yes	*	0	14; *see 3.2.3.3
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	I	3+CMR+F+ (N1, N2, N3)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29; 43

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	II	3+CMR+F+ (N1, N2, N3)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE 60 °C < INITIAL BOILING POINT ≤ 85 °C	3	F1	III	3+CMR+F+ (N1, N2, N3)	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	23; 29; 38
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE 85 °C < INITIAL BOILING POINT ≤ 115 °C	3	F1	III	3+CMR+F+ (N1, N2, N3)	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE INITIAL BOILING POINT > 115 °C	3	F1	III	3+CMR+F+ (N1, N2, N3)	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	I	3+6.1+(N1, N2, N3, CMR, F or S)	C	1	1	*	*	95		1	no	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	2	27; 29; *see 3.2.3.3
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	FT1	I	3+6.1+(N1, N2, N3, CMR, F or S)	C	1	1	*	*	95		1	no	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	2	27; 29 *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	I	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; *see 3.2.3.3
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	*	0	14; *see 3.2.3.3

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	I	3+(N1, N2, N3, CMR, F)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	II	3+(N1, N2, N3, CMR, F)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE 60 °C < INITIAL BOILING POINT ≤ 85 °C	3	F1	II	3+(N1, N2, N3, CMR, F)	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	23; 29; 38
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE 85 °C < INITIAL BOILING POINT ≤ 115 °C	3	F1	II	3+(N1, N2, N3, CMR, F)	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT > 115 °C	3	F1	II	3+(N1, N2, N3, CMR, F)	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	III	3+(N1, N2, N3, CMR, F)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE 60 °C < INITIAL BOILING POINT ≤ 85 °C	3	F1	III	3+(N1, N2, N3, CMR, F)	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	23; 29; 38

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE 85 °C < INITIAL BOILING POINT ≤ 115 °C	3	F1	III	3+(N1, N2, N3, CMR, F)	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT > 115 °C	3	F1	III	3+(N1, N2, N3, CMR, F)	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
1993	FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANONE/ CYCLOHEXANOL MIXTURE)	3	F1	III	3+F	N	3	3			97	0,95	3	yes	T3	II A	yes	PP, EX, A	0	
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	I	3+8+(N1, N2, N3, CMR, F or S)	C	1	1	*	*	95		1	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	27; 29 *see 3.2.3.3
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FT C	I	3+6.1+8+(N1, N2, N3, CMR, F or S)	C	1	1	*	*	95		1	no	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	2	27; 29 *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	I	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	*	1	14; *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	*	0	14; *see 3.2.3.3
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	I	3+CMR+ (N1, N2, N3)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	II	3+CMR+ (N1, N2, N3)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE 60 °C < INITIAL BOILING POINT ≤ 85 °C	3	F1	II	3+CMR+ (N1, N2, N3)	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	23; 29; 38
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE 85 °C < INITIAL BOILING POINT ≤ 115 °C	3	F1	II	3+CMR+ (N1, N2, N3)	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT > 115°C	3	F1	II	3+CMR+ (N1, N2, N3)	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT ≤ 60 °C	3	F1	III	3+CMR+ (N1, N2, N3)	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE 60 °C < INITIAL BOILING POINT ≤ 85 °C	3	F1	III	3+CMR+ (N1, N2, N3)	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	23; 29; 38
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE 85 °C < INITIAL BOILING POINT ≤ 115 °C	3	F1	III	3+CMR+ (N1, N2, N3)	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE INITIAL BOILING POINT > 115 °C	3	F1	III	3+CMR+ (N1, N2, N3)	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	29
3295	HYDROCARBONS, LIQUID, N.O.S. CONTAINING ISOPRENE AND PENTADIENE, STABILIZED	3	F1	I	3+inst.+ N2+CMR	C	2	2	3	50	95	0,678	1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A	1	3; 27
3295	HYDROCARBONS, LIQUID, N.O.S. (1-OCTEN)	3	F1	II	3+N2+F	N	2	3		10	97	0,71	3	yes	T3	II B ⁴⁾	yes	PP, EP, EX, TOX, A	1	14
3295	HYDROCARBONS, LIQUID, N.O.S. (POLYCYCLIC AROMATIC HYDROCARBONS MIXTURE)	3	F1	III	3+CMR+F	N	2	3	3	10	97	1,08	3	yes	T1	II A	yes	PP, EP, EX, TOX, A	0	14

(Reference document: ECE/TRANS/WP.15/AC.2/2016/2, 2016/3 and 2016/6)

3.2.3.3, Column (20) and 3.2.4.3 L, Column (20) Amend remark 35 to read as follows:

“Remark 35: Reference shall be made in column (20) to remark 35 for substances for which complete refrigeration may cause dangerous reactions in the event of compression. This is also applicable if the refrigeration is partly done by compression.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/8 as amended)

3.2.3.3, Column (20) and 3.2.4.3 L, Column (20) Delete remark 36 and insert “Remark 36: No longer used.”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/8)

3.2.3.3 Column (20) and 3.2.4.3 L Column (20) In remark 38, insert “or under or equal to 85 °C” after “boiling point above 60 °C”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/2)

3.2.3.3 Column (20) and 3.2.4.3 L Column (20) Insert a new remark 43 to read as follows:

“Remark 43: Reference shall be made in column (20) to remark 43 for all packing group I entries with letter F (flammable) in the classification code indicated in column (3b), and with letter F (floater) in column (5), Dangers.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/3)

3.2.4.3 A In point 2 “Halogenated hydrocarbons”, replace “Environmentally hazardous substances, Acute or Chronic Category 1 (group N1 in accordance with 2.2.9.1.10.2)” by “Environmentally hazardous substances, aquatic toxicity category Acute 1 or Chronic 1 (group N1 in accordance with 2.2.9.1.10.2 of ADN) and vapour pressure at 50 °C \geq 1 kPa”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/9)

3.2.4.3 A In point 5, insert a new first indent to read as follows:

- Aquatic toxicity Acute 1 or Chronic 1 (group N1 in accordance with 2.2.9.1.10.2) and vapour pressure below 1 kPa at 50 °C closed type N cargo tank walls must be distinct from vessel hull

(Reference document: ECE/TRANS/WP.15/AC.2/2016/9)

Chapter 7.1

7.1.4.9 At the end, insert the following Note: “Note: For transshipment to means of transport of another mode see 7.1.4.7.1.”.

7.1.4.14.7.1.3 After “driver of the vehicle embarked” insert “, persons who are on board for duty reasons”.

Chapter 7.2

7.2.4.9 Amend the beginning to read: “Partial or complete cargo transfer into another vessel without permission...”. Remainder unchanged.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/14)

7.2.4.9 At the end, insert the following Note: “NOTE: For transshipment to means of transport of another mode see 7.2.4.7.1.”.

7.2.4.16.9 (b) Replace “vapour pipe” by “venting piping”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/15)

7.2.4.16.17 In the first paragraph, insert “recognized” before “classification society”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

Chapter 8.1

8.1.2.2 (c) In the third indent, insert “recognized” before “classification society”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

8.1.2.3 (e) Amend to read as follows:

“(e) The certificate of class issued by the recognized classification society prescribed in 9.3.1.8.1, 9.3.2.8.1 or 9.3.3.8.1;”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

Chapter 8.2

8.2.2.6.3 (e) Amend to read as follows:

“(e) detailed plan for final tests, including, if necessary, the infrastructure and organisation of electronic examinations in accordance with 8.2.2.7.1.7, if these are to be carried out.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/17)

8.2.2.7.0 Amend the second indent to read as follows:

“– Specifications of the form of the examinations the examining body is proposing, including, if necessary, the infrastructure and organisation of electronic examinations in accordance with 8.2.2.7.1.7, if these are to be carried out.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/17)

8.2.2.7.1.5 Delete the last sentence.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/17)

8.2.2.7.1 Insert a new 8.2.2.7.1.6 and 8.2.2.7.1.7 to read as follows:

“8.2.2.7.1.6 The competent authority or an examining body designated by the competent authority shall invigilate every examination. Any manipulation and deception shall be ruled out as far as possible. Authentication of candidates shall be ensured.

The use in the written test of documentation other than the texts of regulations on dangerous goods, CEVNI and related police regulations, is not permitted. Non-programmable pocket calculators are authorized for use during specialization courses and shall be supplied by the competent authority or by the examining body designated by the competent authority.

Examination documents (questions and answers) shall be recorded and kept as a print-out or electronically as a file.

8.2.2.7.1.7 Written examinations may be performed, in whole or in part, as electronic examinations, where the answers are recorded and evaluated using electronic data processing (EDP) processes, provided the following conditions are met:

(a) The hardware and software shall be checked and accepted by the competent authority or by the examining body designated by the competent authority.

(b) Electronic media may be used only if provided by the competent authority or by the examining body designated by the competent authority.

(c) Proper technical functioning shall be ensured. Arrangements as to whether and how the examination can be continued shall be made in the case of a failure of the devices and applications. No aids shall be available on the input devices (e.g. electronic search function); the electronic data processing equipment provided shall not allow the candidates to communicate with any other device during the examination.

(d) There shall be no means of a candidate introducing further data to the electronic media provided; the candidate may only answer the questions posed.

(e) The final inputs of each candidate shall be logged. The determination of the results shall be transparent.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/17 as amended)

8.2.2.7.2.5, third paragraph In the one to last sentence, replace “subject” by “part”. Amend the last sentence to read as follows: “If the candidate obtains 44 but does not achieve 20 in one part, the part in question may be resat once.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/17)

8.2.2.7.2.5, fourth paragraph Amend to read as follows: “The provisions of 8.2.2.7.1.6 and 8.2.2.7.1.7 shall apply by analogy.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/17)

8.2.2.7.3.2 Delete the last sentence.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/17)

8.2.2.7.3.3 Amend the beginning to read: “The provisions of 8.2.2.7.1.2, 8.2.2.7.1.3, 8.2.2.1.7.6 and 8.2.2.1.7.7 shall apply to the administration...”. Remainder unchanged.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/17)

Chapter 8.3

8.3.1.1 Amend the beginning to read: “Unless otherwise provided for in Part 7, only ...”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/10)

8.3.1.1 (c) Replace “official reasons” by “duty reasons”.

Chapter 8.6

8.6.1.3 Amend item 10 of the Model for a certificate of approval for tank vessels to read as follows:

“10. Loading/unloading rate: ...m³/h¹) or see instructions¹ on loading and unloading).”

8.6.1.4 Amend item 10 of the Model for a provisional certificate of approval for tank vessels as follows:

“10. Loading/unloading rate: ...m³/h¹) or see instructions¹ on loading and unloading).”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/18 as amended)

Chapter 9.1

Insert a new 9.1.0.1 to read as follows:

“9.1.0.1 Vessel record

NOTE: For the purpose of this paragraph, the term "owner" has the same meaning as in 1.16.0.

The vessel record shall be retained by the owner who shall be able to provide this documentation at the request of the competent authority and the recognized classification society.

The vessel record shall be maintained and updated throughout the life of the vessel and shall be retained for 6 months after the vessel is taken out of service.

Should a change of owner occur during the life of the vessel the vessel record shall be transferred to the new owner.

Copies of the vessel record or all necessary documents shall be made available on request to the competent authority for the issuance of the certificate of approval and for the recognized classification society or inspection body for first inspection, periodic inspection, special inspection or exceptional checks.”.

Replace “9.1.0.1 – 9.1.0.10 Reserved” by “9.1.0.2 – 9.1.0.10 Reserved”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20 as amended)

9.1.0.40.2.4 a) In the second sentence, replace “the reinforcements it incorporates” by “their fittings”.

(Reference document: informal document INF.4/Rev.1)

9.1.0.40.2.7 (a) and (c) Amendments do not apply to the English text.

(Reference document: informal document INF.4/Rev.1)

Chapter 9.2

9.2.0.91.2 In the last sentence, replace “class certificate” by “certificate of class”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

Chapter 9.3

Insert a new 9.3.X.1 to read as follows:

“9.3.X.1 Vessel record

NOTE: For the purpose of this paragraph, the term "owner" has the same meaning as in 1.16.0.

The vessel record shall be retained by the owner who shall be able to provide this documentation at the request of the competent authority and the recognized classification society.

The vessel record shall be maintained and updated throughout the life of the vessel and shall be retained for 6 months after the vessel is taken out of service.

Should a change of owner occur during the life of the vessel the vessel record shall be transferred to the new owner.

Copies of the vessel record or all necessary documents shall be made available on request to the competent authority for the issuance of the certificate of approval and for the recognized classification society or inspection body for first inspection, periodic inspection, special inspection or exceptional checks.”.

Replace “9.3.1.1 – 9.3.1.7 Reserved” by “9.3.1.2 – 9.3.1.7 Reserved”.

Replace “9.3.2.1 – 9.3.2.7 Reserved” by “9.3.2.2 – 9.3.2.7 Reserved”.

Replace “9.3.3.1 – 9.3.3.7 Reserved” by “9.3.3.2 – 9.3.3.7 Reserved”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20 as amended)

9.3.X.8.1 Amend as follows:

In the first paragraph, delete “in accordance with the rules established by that classification society”.

In the second paragraph, add a new last sentence to read: “This shall be confirmed by an appropriate certificate issued by the recognized classification society (certificate of class).”.

Delete the third paragraph.

In the last paragraph, insert “recognized” before “classification society”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20 as amended)

9.3.1.8.1 Insert a new third paragraph to read as follows:

“The certificate of class shall confirm that the vessel is in conformity with its own additionally applicable rules and regulations that are relevant for the intended use of the vessel.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

9.3.1.11.3 (a) After “from the accommodation” insert “, engine rooms”.

(Reference document: informal document INF.26)

9.3.X.13.3, fourth paragraph In the first sentence, replace “relevant” by “recognized”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

9.3.1.14 Renumber existing paragraph as 9.3.1.14.1. Add two new paragraphs to read as follows:

“9.3.1.14.2 For vessels with cargo tanks of more than 0.70 B in width, proof shall be furnished that the following stability requirements have been complied with:

(a) In the positive area of the righting lever curve up to immersion of the first non-watertight opening there shall be a righting lever (GZ) of not less than 0.10 m;

(b) The surface of the positive area of the righting lever curve up to immersion of the first non-watertight opening and in any event up to an angle of heel < 27° shall not be less than 0.024 m.rad;

- (c) The metacentric height (GM) shall be not less than 0.10 m.

These conditions shall be met bearing in mind the influence of all free surfaces in tanks for all stages of loading and unloading.

9.3.1.14.3 The most stringent requirement of 9.3.1.14.1 and 9.3.1.14.2 is applicable to the vessel.”.

(Reference document: ECE/TRANS/WP.15/AC.2/2016/5 and ECE/TRANS/243)

9.3 Insert a new 9.3.X.25.10 to read as follows:

“9.3.X.25.10 Compressed air generated outside the cargo area or wheelhouse can be used in the cargo area subject to the installation of a spring-loaded non-return valve to ensure that no gases can escape from the cargo area through the compressed air system into accommodation or service spaces outside the cargo area.”.

Consequential amendments:

Insert “9.3.1.2.5.9 Reserved”.

9.3.3.40.1, second indent In the second paragraph, insert “or wheelhouse” after “cargo area”.

(Reference document: ECE/TRANS/WP.15/AC.2/2015/25/Rev.1 as amended)

9.3.1.40.2.4 a), 9.3.2.40.2.4 a) and 9.3.3.40.2.4 a) In the second sentence, replace “the reinforcements it incorporates” by “their fittings”.

(Reference document: informal document INF.4/Rev.1)

9.3.1.40.2.7 (a) and (c), 9.3.2.40.2.7 (a) and (c) and 9.3.3.40.2.7 (a) and (c) Amendments do not apply to the English text.

(Reference document: informal document INF.4/Rev.1)

9.3.2.11.2 (a) and 9.3.2.11.3 (a) Replace “engine room” by “engine rooms”.

(Reference document: informal document INF.26)

9.3.2.11.2 (e), fifth indent Amendments do not apply to the English text.

(Reference document: informal document INF.4/Rev.1)

9.3.2.25.9 and 9.3.3.25.9, paragraph 4 Amendments do not apply to the English text.

(Reference document: informal document INF.4/Rev.1)

9.3.2.25.9 and 9.3.3.25.9 In the last paragraph, replace “loading and unloading pressure” by “loading and unloading flows”.

(Reference document: informal document INF.23)

9.3.3.8.1 In the second paragraph, replace “vessel’s class” by “vessel’s highest class”

(Reference document: ECE/TRANS/WP.15/AC.2/2016/20)

Document ECE/TRANS/WP.15/AC.2/2016/12 adopted. Amendments do not apply to English, French or Russian languages.