
Economic Commission for Europe**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)****Twentieth session**

Geneva, 23-27 January 2011

Item 4 of the provisional agenda

1 December 2011**ENGLISH**

Amendments for entry into force on 1 January 2013 adopted by the Safety Committee since its seventeenth session**Note by the secretariat**

* Square brackets in proposed amendment on last page.

Proposed amendments to the Regulations annexed to ADN for entry into force on 1 January 2013

ECE/TRANS/WP.15/AC.2/36, Annex III

Part 1**Chapter 1.2**

1.2.1 Modify the definition of "Pipes for loading or unloading (cargo piping)" to read as follows:

"Piping for loading or unloading means all piping which may contain liquid or gaseous cargo, including pipes, hoses, hose assemblies, connected pumps, filters and closing devices;"

(Reference document: ECE/TRANS/WP.15/AC.2/2010/22)

1.2.1 Add the following new definitions:

"Watertight means a structural component or device so fitted as to prevent any ingress of water;

Weathertight means a structural component or device so fitted that in normal conditions it allows only a negligible quantity of water to penetrate;"

(Reference document: ECE/TRANS/WP.15/AC.2/2010/23)

Chapter 1.4

1.4.2.1.1 (b) After "Furnish the carrier with information and data", insert "in a traceable form".

(Reference document: ECE/TRANS/WP.15/AC.1/118)

1.4.3.3 (f) Amend to read as follows:

"(f) He shall, after filling the tank, ensure that all closures are in a closed position and that there is no leakage;"

(Reference document: ECE/TRANS/WP.15/AC.1/118)

Chapter 1.8

1.8.5.1 Amend the end to read as follows ", shall ascertain that a report conforming to the model prescribed in 1.8.5.4 is made to the competent authority of the Contracting Party concerned at the latest one month after the occurrence."

(Reference document: ECE/TRANS/WP.15/AC.1/118)

Part 2

Chapter 2.1

2.1.3.5.5 At the end of the third paragraph, add the following sentence: "However, if it is known that the waste possesses only environmentally hazardous properties, it may be assigned to packing group III under UN Nos. 3077 or 3082."

(Reference document: ECE/TRANS/WP.15/AC.1/118)

Part 3

Chapter 3.2

3.2.1, Table A For UN Nos. 1072, 1956 and 3156, insert "655" in column (6).

(Reference document: ECE/TRANS/WP.15/AC.1/118)

Replace the row for the entry UN 3256 with the following two rows:

| (1) | (2) | (6) |
|------|---|-------------------|
| 3256 | ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash-point above 60 °C, at or above its flash-point and below 100 °C | 274 560 |
| 3256 | ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash-point above 60 °C, at or above its flash-point and at or above 100 °C | 274 560 580 |

The indications in columns (3a), (3b), (4), (5) and (7a) to (13) remain identical and unchanged for both cases.

(Reference document: ECE/TRANS/WP.15/AC.1/118)

Chapter 3.3

3.3.1 SP 560 Amend to read as follows:

"**560** An elevated temperature liquid, n.o.s. at or above 100 °C (including molten metals and molten salts) or, for a substance having a flash-point, at a temperature below its flash-point, is a substance of Class 9 (UN No. 3257)."

(Reference document: ECE/TRANS/WP.15/AC.1/118)

SP 584 Replace the two first indents with the following new indent:

"– it contains not more than 0.5% air in the gaseous state;".

(Reference document: ECE/TRANS/WP.15/AC.1/118)

Part 5

Chapter 5.1

5.1.2.1 (a) Amend sub-paragraph (ii) and the subsequent paragraph to read as follows:

"(ii) marked with the UN number preceded by the letters "UN", labelled as required for packages in 5.2.2 and marked with the environmentally hazardous substance mark if required for packages in 5.2.1.8, for each item of dangerous goods contained in the overpack;

unless the UN numbers, the labels and the environmentally hazardous substance mark representative of all dangerous goods contained in the overpack are visible, except as required in 5.2.2.1.11. If the same UN number, the same label or the environmentally hazardous substance mark is required for different packages, it only needs to be applied once."

(Reference document: ECE/TRANS/WP.15/AC.1/118)

Part 7

Chapter 7.2

7.2.1.21 Insert the following two new paragraphs:

"7.2.1.21.7 A substance which according to column (8) of Table C of Chapter 3.2 must be carried in cargo tank type 2 (integral cargo tank), may also be carried in a cargo tank type 1 (independent cargo tank) or cargo tank type 3 (cargo tank with walls distinct from the outer hull) of the vessel type prescribed in Table C or a vessel type prescribed in 7.2.1.21.2 to 7.2.1.21.5, provided that all other conditions of carriage required for this substance by Table C of Chapter 3.2 are met.

7.2.1.21.8 A substance which according to column (8) of Table C of Chapter 3.2 must be carried in cargo tank type 3 (cargo tank with walls distinct from the outer hull), may also be carried in a cargo tank type 1 (independent cargo tank) of the vessel type prescribed in Table C or a vessel type prescribed in 7.2.1.21.2 to 7.2.1.21.5 or in a Type C vessel with cargo tank type 2 (integral cargo tank), provided that at least the conditions of carriage concerning the prescribed N type are met and all other conditions of carriage required for this substance by Table C of Chapter 3.2 or 7.2.1.21.2 to 7.2.1.21.5 are met."

(Reference document: ECE/TRANS/WP.15/AC.2/2010/24)

7.2.3.7.2 Insert "or at locations approved by the competent authority" after "vessel is underway".

(Reference document: ECE/TRANS/WP.15/AC.2/2010/16)

Part 8

Chapter 8.6

8.6.3, page 1 Replace "Name of product" by "Proper shipping name*" (twice).

8.6.3, page 2 Replace "Name of substance" by "Proper shipping name*".

and add the following footnote on both pages:

"* The proper shipping name given in Column (2) of Table C of Chapter 3.2, supplemented, when applicable, by the technical name in parenthesis."

(Reference document: ECE/TRANS/WP.15/AC.2/2010/14)

8.6.3, page 3 of the ADN Checklist

Modify 6.1 to read as follows:

"6.1 Is the piping for loading or unloading between vessel and shore in satisfactory condition?

Is it correctly connected?"

6.4 Does not apply to the English

8.6.3, Explanation, Question 6

The modification to the first sentence does not apply to the English version. In the second sentence, replace "hoses" by "piping". Delete the third sentence. In the new third sentence, replace "cargo transfer hoses" by "piping for loading or unloading" and "they" by "it".

8.6.3, Explanation, Question 10

In the first sentence, replace "cargo hoses" by "piping for loading and unloading between vessel and shore"

(Reference document: ECE/TRANS/WP.15/AC.2/2010/22)

Part 9

Chapter 9.3

9.3.1.0.3 (c), third indent, 9.3.2.0.3 (c)/ 9.3.3.0.3 (c), fourth indent

Does not apply to the English

9.3.1.0.3 (c), fourth indent, 9.3.2.0.3 (c)/ 9.3.3.0.3 (c), fifth indent

Replace "hoses" by "piping"

9.3.2.0.3 (c) / 9.3.3.0.3 (c), first indent

Replace "pipes" by "piping"

(Reference document: ECE/TRANS/WP.15/AC.2/2010/22)

9.3.1.15.1 (a)/9.3.2.15.1 (a)

Replace "0.79 m;" by "0.79 m, or when applicable, the distance allowed by section 9.3.4, reduced by 0.01 m;"

9.3.3.15.1 Amend the first paragraph to read "For vessels with independent cargo tanks and for double-hull vessels with cargo tanks integrated in the construction of the vessel, the following assumptions shall be taken into consideration for the damaged condition:"

9.3.3.15.1 (a) Replace "0.59 m;" by "0.59 m, or, when applicable, the distance allowed by Section 9.3.4, reduced by 0.01 m;"

(Reference document: ECE/TRANS/WP.15/AC.2/2010/20)

Proposed amendments to the Regulations annexed to ADN for entry into force on 1 January 2013

ECE/TRANS/WP.15/AC.2/38, Annex

Part 1

Chapter 1.6

1.6.7.2.2.3.1 Add a sentence at the end to read as follows: "This transitional provision is valid until 31 December 2018."

(Reference document: ECE/TRANS/WP.15/AC.2/2011/1)

Part 8

Chapter 8.1

8.1.8.3 Replace "It shall conform to the model in 8.6.1.1 or 8.6.1.3" by "The certificate of approval shall conform to the model in 8.6.1.1 or 8.6.1.3 with regard to content, form and layout. Its dimensions are 210 mm x 297 mm (A4). Front and back pages may be used."

8.1.9.2 Insert "with regard to content, form and layout" after "these Regulations".

(Reference document: ECE/TRANS/WP.15/AC.2/2011/19)

Proposed amendments to the Regulations annexed to ADN for entry into force on 1 January 2013

ECE/TRANS/WP.15/AC.2/40/Add.1

Part 1

Chapter 1.2

1.2.1 Add the following new definition:

"Liquefied Petroleum Gas (LPG) means a low pressure liquefied gas composed of one or more light hydrocarbons which are assigned to UN 1011, UN 1075, UN 1965, UN 1969 or UN 1978 only and which consists mainly of propane, propene, butane, butane isomers, butene with traces of other hydrocarbon gases.

NOTE 1: Flammable gases assigned to other UN numbers shall not be regarded as LPG.

NOTE 2: For UN 1075 see NOTE 2 in 2.2.2.3 under 2F/UN 1965."

(Reference document: ECE/TRANS/WP.15/AC.1/120)

Chapter 1.15

1.15.4 Replace by the following text:

"1.15.4 Obligations of recommended classification societies

1.15.4.1 Recommended classification societies shall undertake to cooperate with each other so as to guarantee the equivalence from the point of view of the safety level of their technical standards, the implementation of those standards and their coordinated development.

1.15.4.2 They shall exchange experiences in joint meetings at least once a year with a view to updating and implementing their technical standards which are relevant to the implementation of the provisions of the present Agreement. They shall report annually to the Safety Committee. The Contracting Parties shall be informed of meetings and be given the opportunity to participate in them.

1.15.4.3 Recommended classification societies shall undertake to bring their requirements into line with the provisions of the Agreement whenever the annexed Regulations are amended and in due time taking account of the date of application of the amended or new provisions. In response to requests from the competent authority, recommended classification societies shall provide all relevant information regarding their technical requirements."

(Reference documents: ECE/TRANS/WP.15/AC.2/2011/30 as amended).

Part 2

Chapter 2.1

2.1.3.5.3 Amend the beginning (before the parenthesis) of sub-paragraph (h) to read as follows:

"(h) Substances of Class 6.1 meeting the inhalation toxicity criteria of packing group I".

(Reference document: ECE/TRANS/WP.15/AC.1/120)

2.1.3.5.4 Add the following paragraph:

"If the hazard characteristics of the substance are such that the substance can be assigned to a UN number or an identification number, then the UN number shall take precedence."

(Reference documents: ECE/TRANS/WP.15/AC.2/2011/20 as amended)

Chapter 2.2

2.2.3.1.1 In NOTE 2, add "including synthetically manufactured products" after "heating oil (light)".

(Reference document: ECE/TRANS/WP.15/AC.1/120)

2.2.9.1.14 Amend the fourth indent to read as follows:

"- Identification No. 9003 SUBSTANCES HAVING A FLASH-POINT ABOVE 60 °C AND NOT MORE THAN 100 °C which cannot be assigned to another class or another entry of Class 9. If these substances can also be assigned to Identification No. 9005 or Identification No. 9006, then Identification No. 9003 shall take precedence."

(Reference documents: ECE/TRANS/WP.15/AC.2/2011/20 as amended)

Part 3

Chapter 3.2

3.2.1 Table A

For UN No. 0509, column (11) left, insert "LO01".
(Reference document: ECE/TRANS/WP.15/AC.2/2011/35)

For UN Nos. 1011, 1969 and 1978, insert "657" in column (6).
(Reference document: ECE/TRANS/WP.15/AC.1/120)

For UN No. 1057, insert "658" in column (6).
(Reference document: ECE/TRANS/WP.15/AC.1/122)

For UN Nos. 1810, 1834 and 1838, column (9), after "PP, EP" insert "TOX, A",
column (10), insert "VE02", column (12), replace "0" by "2".

For UN No. 2481, column (12), replace "0" by "2".
(Reference document: ECE/TRANS/WP.15/AC.2/2011/35)

For UN Nos. 3175 and 3243, insert "601" in column (6).
(Reference document: ECE/TRANS/WP.15/AC.1/122)

For UN No. 3495, column (9), replace "PP, EX, TOX, A" by "PP, EP, TOX, A".
(Reference document: ECE/TRANS/WP.15/AC.2/2011/35)

3.2.3 Table C

Insert "3.2.3.1" before "Explanations concerning Table C".

Insert "3.2.3.2 Table C" before Table C.

Before the flowchart for classification of liquids of Classes 3, 6.1, 8 and 9 for carriage in
tanks in inland navigation, insert the following title:

"3.2.3.3 Flowchart, schemes and criteria for determining applicable special requirements
(columns (6) to (20) of Table C)".

Make the following changes to Table C:

For entries with a reference to the flowchart, 1202, 1224, 1267, 1268, 1719, 1760, 1863,
1986, 1987, 1989, 1992, 1993, 2735, 2810, 2922, 2924, 2927, 2929, 3082, 3256, 3257,
3264, 3265, 3266, 3267, 3271, 3272, 3286, 3287, 3289, 3295, 9001, 9002, 9003, 9005 and
9006, replace "see flowchart" with "*see 3.2.3.3" in column (20).

(Reference document: ECE/TRANS/WP.15/AC.2/2011/34)

3.2.3 Table C

Amend as follows:

| UN No. (with description/comments if necessary) | Column | Amendment |
|---|--|--|
| 1010 | 1,3-BUTADIENE, STABILIZED | (18) Replace "PP, EX, A" with "PP, EP, EX, TOX, A". |
| 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 | (2) Insert at the end "(contains less than 0.1% 1.3-butadiene)". |
| | | (16) Replace "II B" with "II B ⁴ ". |

| UN No. (with description/comments if necessary) | | Column | Amendment |
|---|---|--------|--|
| 1011 | | (2) | Insert at the end “(contains less than 0.1% 1.3-butadiene)”. |
| | | (5) | Delete “+CMR”. |
| | | (20) | Delete “; 99”. |
| 1040 | | (14) | Replace “yes” with “no”. |
| 1127 | CHLOROBUTANES (2-CHLOROBUTANE) | (15) | Replace “T4 ³⁾ ” with “T3”. |
| 1127 | CHLOROBUTANES (1-CHLORO-2-METHYLPROPANE) | (15) | Replace “T4 ³⁾ ” with “T3”. |
| 1135 | | (5) | Replace “6.1+3” with “6.1+3+N3”. |
| 1153 | | (15) | Replace “T4 ³⁾ ” with “T 4”. |
| | | (16) | Replace “II B ⁴⁾ ” with “II A ⁷⁾ ”. |
| 1157 | | (15) | Replace “T4 ³⁾ ” with “T2”. |
| 1160 | | (5) | Replace “3+8” with “3+8+N3”. |
| | | (16) | Replace “II B ⁴⁾ ” with “II A”. |
| 1163 | | (16) | Replace “II B ⁴⁾ ” with “II C”. |
| 1167 | | (16) | Replace “II B ⁷⁾ ” with “II B”. |
| 1171 | | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1172 | | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1175 | | (16) | Replace “II B” with “II A”. |
| 1177 | | (16) | Replace “II A” with “II A ⁷⁾ ”. |
| 1179 | | (16) | Replace “II B” with “II B ⁴⁾ ”. |
| 1188 | | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1191 | | (5) | Replace “3+F” with “3+N3+F”. |
| | | (16) | Replace “II A” with “II A ⁷⁾ ”. |
| 1202 | GAS OIL or DIESEL FUEL or HEATING OIL (LIGHT) (flashpoint not more than 60° C) | (18) | Replace “PP” with “*”. |
| 1202 | GAS OIL or DIESEL FUEL or HEATING OIL (LIGHT) (flashpoint more than 60° C but not more than 100° C) | (18) | Replace “PP” with “*”. |
| 1203 | MOTOR SPIRIT or GASOLINE or PETROL | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1203 | MOTOR SPIRIT or GASOLINE or PETROL, WITH MORE THAN 10% BENZENE 60° C < BOILING POINT ≤ 60° C | (5) | Replace “3+CMR+F” with “3+N2+CMR+F”. |
| | | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1203 | MOTOR SPIRIT or GASOLINE or PETROL, WITH MORE THAN 10% BENZENE 60° C < BOILING POINT ≤ 85° C | (5) | Replace “3+CMR+F” with “3+N2+CMR+F”. |
| | | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |

| <i>UN No. (with description/comments if necessary)</i> | <i>Column</i> | <i>Amendment</i> |
|--|---------------|---|
| 1203 MOTOR SPIRIT or GASOLINE or PETROL WITH MORE THAN 10% BENZENE 85° C < BOILING POINT ≤ 115° C | (5) | Replace “3+CMR+F” with “3+N2+CMR+F”. |
| | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1203 MOTOR SPIRIT or GASOLINE or PETROL, WITH MORE THAN 10% BENZENE BOILING POINT > 115° C | (5) | Replace “3+CMR+F” with “3+N2+CMR+F”. |
| | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1208 | (5) | Replace “3+N1” with “3+N2”. |
| | (6) | Replace “C” with “N”. |
| | (8) | Replace “2” with “3”. |
| | (11) | Replace “95” with “97”. |
| 1214 | (5) | Replace “3+8” with “3+8+N3”. |
| | (16) | Replace “II A” with “II A ⁷⁾ ”. |
| 1218 | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1220 | (16) | Replace “II A” with “II A ⁷⁾ ”. |
| 1223 | (16) | Replace “II A” with “II A ⁷⁾ ”. |
| 1224 For the 2 entries | (18) | Replace “PP, EX, A” with “*”. |
| 1235 | (5) | Replace “3+8” with “3+8+N3”. |
| 1247 | (5) | Replace “3+inst.” with “3+inst.+N3”. |
| 1267 For the 9 entries PETROLEUM CRUDE OIL WITH MORE THAN 10% BENZENE | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1267 For the 3 entries PETROLEUM CRUDE OIL | (18) | Replace “PP, EX, A” with “*”. |
| 1268 PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTHA) 110 kPa < vp50 ≤ 175 kPa | (9) | Delete “3”. |
| | (10) | Replace “10” with “50”. |
| | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1268 PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTHA) 110 kPa < vp50 ≤ 150 kPa | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1268 PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTHA) vp50 ≤ 110 kPa | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1268 For the 10 entries PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10% BENZENE or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10% BENZENE | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1268 PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (BENZENE HEART CUT) vp50 ≤ 110 kPa | (18) | Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |

| UN No. (with description/comments if necessary) | Column | Amendment |
|---|---|--|
| 1268 | For the 3 entries PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. | (18) Replace “PP, EX, A” with “*”. |
| 1277 | | (15) Replace “T3 ²⁾ ” with “T2”. |
| 1280 | | (18) Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1294 | | (16) Replace “II A ⁸⁾ ” with “II A”. |
| 1578 | For the entry with “2” in the “cargo tank equipment” column | (15) Replace “T4 ³⁾ ” with “T1”. |
| 1595 | | (13) Replace “2” with “1”. |
| 1719 | For the 2 entries | (18) Replace “PP, EP” with “*”. |
| 1760 | For the 3 entries | (18) Replace “PP, EP” with “*”. |
| 1764 | | (16) Replace “II A” with “II A ⁷⁾ ”. |
| | | (20) Before “17”, insert “6: 17° C;”. |
| 1848 | | (15) Delete “T1”. |
| | | (16) Delete “II A ⁷⁾ ”. |
| | | (17) Replace “yes” with “no”. |
| | | (18) Replace “PP, EP, EX, A” with “PP, EP”. |
| 1863 | For the 6 entries FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10% BENZENE | (18) Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1863 | For the 3 entries FUEL, AVIATION, TURBINE ENGINE | (18) Replace “PP, EX, A” with “*”. |
| 1922 | | (16) Replace “II A” with “II A ⁷⁾ ”. |
| 1969 | | (2) Insert at the end “(contains less than 0.1% 1,3-butadiene)”. |
| | | (16) Replace “II A” with “II A ⁷⁾ ”. |
| | | (20) Delete “; 99”. |
| 1987 | For the 2 entries ALCOHOLS, N.O.S. | (18) Replace “PP, EX, A” with “*”. |
| 1989 | For the 2 entries | (18) Replace “PP, EX, A” with “*”. |
| 1993 | For the 9 entries FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10% BENZENE | (18) Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 1993 | For the 3 entries FLAMMABLE LIQUID, N.O.S. | (18) Replace “PP, EX, A” with “*”. |
| 2022 | | (16) Replace “II A” with “II A ⁷⁾ ”. |
| 2046 | | (16) Replace “II A” with “II A ⁷⁾ ”. |
| 2047 | DICHLOROPROPENES (2,3- DICHLOROPROP-1-ENE) | (16) Replace “II A” with “II A ⁷⁾ ”. |
| | | (18) Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 2047 | DICHLOROPROPENES (MIXTURES of 2,3- DICHLOROPROP-1-ENE and 1,3- | (5) Replace “3+N2+CMR” with “3+N1+CMR”. |

| UN No. (with description/comments if necessary) | Column | Amendment | |
|---|---|-----------|---|
| | DICHLOROPROPENE) | (16) | Replace "II A" with "II A ⁷ ". |
| | | (18) | Replace "PP, EX, A" with "PP, EP, EX, TOX, A". |
| 2047 | DICHLOROPROPENES (MIXTURES of 2,3-DICHLOROPROP-1-ENE and 1,3-DICHLOROPROPENE) | (5) | Replace "3+N2+CMR" with "3+N1+CMR". |
| | | (16) | Replace "II A" with "II A ⁷ ". |
| | | (18) | Replace "PP, EX, A" with "PP, EP, EX, TOX, A". |
| 2047 | DICHLOROPROPENES (1,3-DICHLOROPROPENE) | (5) | Replace "3+N2+CMR" with "3+N1+CMR". |
| | | (18) | Replace "PP, EX, A" with "PP, EP, EX, TOX, A". |
| 2051 | | (16) | Replace "II A" with "II A ⁷ ". |
| 2057 | For the 2 entries | (5) | After "3", insert "+N2". |
| | | (8) | Replace "2" with "3". |
| 2205 | | (15) | Replace "T4 ³ " with "T4". |
| | | (20) | Before "17", insert "6: 6° C;". |
| 2218 | | (16) | Replace "II A ⁷ " with "II B". |
| 2227 | | (5) | After "3+inst." insert "+N3+F". |
| 2238 | CHLOROTOLUENES (o-CHLOROTOLUENE) | (5) | Replace "3+S" with "3+N2+S". |
| 2238 | CHLOROTOLUENES (p-CHLOROTOLUENE) | (5) | Replace "3+S" with "3+N2+S". |
| 2241 | | (16) | Replace "II A" with "II A ⁷ ". |
| 2259 | | (20) | Before "34", insert "6: 16° C; 17;". |
| 2265 | | (18) | Replace "PP, EX, A" with "PP, EP, EX, TOX, A". |
| 2266 | | (16) | Replace "II A" with "II A ⁷ ". |
| 2288 | | (5) | After "3+inst." insert "+N3". |
| 2289 | | (16) | Replace "II A" with "II A ⁷ ". |
| | | (20) | Before "17; 34", insert "6: 14° C;". |
| 2321 | | (16) | Replace "II A" with "II A ⁷ ". |
| 2325 | | (16) | Replace "II A" with "II A ⁷ ". |
| 2357 | | (16) | Replace "II A ⁸ " with "II B ⁴ ". |
| 2382 | | (14) | Replace "yes" with "no". |
| | | (16) | Replace "II C" with "II C ⁵ ". |
| 2383 | | (5) | After "3+8" insert "+N2". |
| | | (14) | Replace "no" with "yes". |
| 2397 | | (16) | Replace "II A" with "II A ⁷ ". |
| 2404 | | (16) | Replace "II A" with "II A ⁷ ". |
| 2430 | For the entry anti-explosion protection required | (8) | Replace "1" with "2". |
| 2430 | For the entry anti-explosion protection required | (8) | Replace "2" with "1". |
| 2477 | | (13) | Replace "2" with "1". |

| UN No. (with description/comments if necessary) | Column | Amendment | |
|---|---------------------------------|--|------------------------------|
| 2486 | (19) | Replace "1" with "2". | |
| 2491 | (20) | Before "17; 34", insert "6: 14° C;" | |
| 2531 | (20) | Replace "3; 4; 5; 17" with "3; 4; 5; 7; 17". | |
| 2564 | For the entry packing group III | (15) | Delete "T1". |
| | | (16) | Delete "II A ⁷ ". |
| | | (17) | Replace "yes" with "no". |
| | | (18) | Delete ", EX, A". |
| 2574 | (5) | Replace "6.1+S" with "6.1+N1+S". | |
| 2618 | (5) | Replace "3+inst.+F" with "3+inst.+N2+F". | |
| 2672 | (20) | AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15° C in water, with more than 10% but not more than 35% ammonia (not more than 25% ammonia) Insert "34". | |
| 2709 | (16) | Replace "II A" with "II A ⁷ ". | |
| 2733 | (5) | After "3+8" insert "+N1". | |
| | (16) | Replace "II A" with "II A ⁷ ". | |
| 2735 | (18) | For the 3 entries Replace "PP, EP" with "*". | |
| 2789 | (16) | Replace "II A" with "II A ⁷ ". | |
| 2790 | (11) | For the 2 entries Replace "95" with "97". | |
| 2850 | (15) | Insert "T3". | |
| | (16) | Insert "II B ⁴ ". | |
| | (17) | Replace "no" with "yes". | |
| | (18) | After "PP" insert ", EX, A". | |
| 2920 | (11) | CORROSIVE LIQUID, FLAMMABLE, N.O.S. (2-PROPANOL AND DIDECYLDIMETHYL AMMONIUM CHLORIDE, AQUEOUS SOLUTION) Replace "95" with "97". | |
| 2924 | (18) | For the 3 entries FLAMMABLE LIQUID, CORROSIVE, N.O.S. Replace "PP, EP, EX, A" with "*". | |
| 3082 | (18) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Replace "PP" with "*". | |
| 3175 | (16) | Replace "II A" with "II A ⁷ ". | |
| 3256 | (18) | ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60° C, at or above its flashpoint (Low QI Pitch) Replace "PP, EX, A" with "PP, EP, EX, TOX, A". | |
| 3256 | (18) | ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60° C, at or above its flashpoint Replace "PP, EX, A" with "*". | |
| 3257 | (18) | For the 2 entries Replace "PP" with "*". | |
| 3264 | (18) | For the 3 entries CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. Replace "PP, EP" with "*". | |

| UN No. (with description/comments if necessary) | Column | Amendment |
|---|---|---|
| 3265 | For the 3 entries | (18) Replace “PP, EP” with “*”. |
| 3266 | For the 3 entries | (18) Replace “PP, EP” with “*”. |
| 3267 | For the 3 entries | (18) Replace “PP, EP” with “*”. |
| 3271 | For the 2 entries ETHERS, N.O.S. | (18) Replace “PP, EX, A” with “*”. |
| 3272 | For the 2 entries | (18) Replace “PP, EX, A” with “*”. |
| 3289 | For the entry with “I” in the “Packing group” column | (13) Replace “2” with “1”. |
| 3295 | HYDROCARBONS, LIQUID, N.O.S. CONTAINS ISOPRENE AND PENTADIENE (vp50 > 110 kPa), STABILIZED | (5) Replace “3+inst. (N2, CMR)” with “3+inst.+N2+CMR”. |
| | | (18) Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 3295 | HYDROCARBONS, LIQUID, N.O.S. (POLYCYCLIC AROMATIC HYDROCARBONS MIXTURE) | (18) Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 3295 | For the 13 entries HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10% BENZENE | (18) Replace “PP, EX, A” with “PP, EP, EX, TOX, A”. |
| 3295 | For the 3 entries HYDROCARBONS, LIQUID, N.O.S. | (18) Replace “PP, EX, A” with “*”. |
| 3446 | For the 2 entries | (5) Replace “6.1+S” with “6.1+N2+S”. |
| 3451 | For the 2 entries | (5) After “6.1” insert “+N1”. |
| 3455 | For the 2 entries | (5) After “6.1+8” insert “+N3”. |
| 9001 | | (18) Replace “PP, EX, A” with “*”. |
| 9002 | | (18) Replace “PP, EX, A” with “*”. |
| 9003 | SUBSTANCES WITH A FLASHPOINT ABOVE 60° C BUT NOT MORE THAN 100° C or SUBSTANCES WHERE 60° C < flashpoint ≤ 100° C, which are not assigned to another class | (18) Replace “PP” with “*”. |
| 9005 | | (18) Replace “PP” with “*”. |
| 9006 | | (18) Replace “PP” with “*”. |

(Reference document: ECE/TRANS/WP.15/AC.2/2011/36)

After 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, insert the following new entry:

| (1) | (2) | (3a) | (3b) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
|------|--|--------------|----------------------------|----------------------|-------------------|----------------------------|--------------------------|------------------------|-----------------------------|--|---------------------------------------|----------------------------------|--------------------------------|---------------------------------------|--------------------------|------------------------|---|--------------------------------|------------------------------------|--|
| | <i>Name and description</i> | <i>Class</i> | <i>Classification code</i> | <i>Packing Group</i> | <i>Danger</i> | <i>Type of tank vessel</i> | <i>Cargo tank design</i> | <i>Cargo tank type</i> | <i>Cargo tank equipment</i> | <i>Opening pressure of the high-velocity vent valve in kPa</i> | <i>Maximum degree of filling in %</i> | <i>Relative density at 20° C</i> | <i>Type of sampling device</i> | <i>Pump-room below deck permitted</i> | <i>Temperature class</i> | <i>Explosion Group</i> | <i>Anti-explosion protection required</i> | <i>Equipment required</i> | <i>Number of blue cones/lights</i> | <i>Additional requirements/remarks</i> |
| 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) | 2 | 2F | | 2.1+inst.+ CMR | G | 1 | 13 | | | 91 | | 1 | no | T2 | II B ⁴⁾ | yes | PP, EP, EX, TOX, A | 1 | 2; 3; 31 |

(Reference document: ECE/TRANS/WP.15/AC.2/2011/36)

After UN No. 1011, insert the following new entry:

| (1) | (2) | (3a) | (3b) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
|---|--|--------------|----------------------------|----------------------|---------------|----------------------------|--------------------------|------------------------|-----------------------------|--|---------------------------------------|----------------------------------|--------------------------------|---------------------------------------|--------------------------|------------------------|---|--------------------------------|-------------------------------------|--|
| <i>UN No. or substance identification No.</i> | <i>Name and description</i> | <i>Class</i> | <i>Classification code</i> | <i>Packing Group</i> | <i>Danger</i> | <i>Type of tank vessel</i> | <i>Cargo tank design</i> | <i>Cargo tank type</i> | <i>Cargo tank equipment</i> | <i>Opening pressure of the high-velocity vent valve in kPa</i> | <i>Maximum degree of filling in %</i> | <i>Relative density at 20° C</i> | <i>Type of sampling device</i> | <i>Pump-room below deck permitted</i> | <i>Temperature class</i> | <i>Explosion Group</i> | <i>Anti-explosion protection required</i> | <i>Equipment required</i> | <i>Number of blue cones/flights</i> | <i>Additional requirements/remarks</i> |
| 1011 | BUTANE (with 0.1% or more 1.3-butadiene) | 2 | 2F | | 2.1+ CMR | G | 1 | 13 | | | 91 | | 1 | no | T2 | II A | yes | PP, EP, EX, TOX, A | 1 | 31 |

After UN No. 1969, insert the following new entry:

| (1) | (2) | (3a) | (3b) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
|---|---|--------------|----------------------------|----------------------|---------------|----------------------------|--------------------------|------------------------|-----------------------------|--|---------------------------------------|----------------------------------|--------------------------------|---------------------------------------|--------------------------|------------------------|---|--------------------------------|-------------------------------------|--|
| <i>UN No. or substance identification No.</i> | <i>Name and description</i> | <i>Class</i> | <i>Classification code</i> | <i>Packing Group</i> | <i>Danger</i> | <i>Type of tank vessel</i> | <i>Cargo tank design</i> | <i>Cargo tank type</i> | <i>Cargo tank equipment</i> | <i>Opening pressure of the high-velocity vent valve in kPa</i> | <i>Maximum degree of filling in %</i> | <i>Relative density at 20° C</i> | <i>Type of sampling device</i> | <i>Pump-room below deck permitted</i> | <i>Temperature class</i> | <i>Explosion Group</i> | <i>Anti-explosion protection required</i> | <i>Equipment required</i> | <i>Number of blue cones/flights</i> | <i>Additional requirements/remarks</i> |
| 1969 | ISOBUTANE (with 0.1% or more 1.3-butadiene) | 2 | 2F | | 2.1+C MR | G | 1 | 13 | | | 91 | | 1 | no | T2 ¹⁾ | II A | yes | PP, EP, EX, TOX, A | 1 | 31 |

(Reference document: ECE/TRANS/WP.15/AC.2/2011/36)

Consequential amendments

Part 1

Chapter 1.6

1.6.7.4.2 Transitional periods applicable to substances

In Table 2, make the following amendments:

| UN No. (with description/comments if necessary) | Column | Amendment | |
|---|---|-----------|---|
| 1203 | MOTOR SPIRIT or GASOLINE or PETROL | (18) | Replace “PP, EX, A” with: “PP, EP, EX, TOX, A”. |
| 1268 | PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTHA) 110 kPa < vp50 ≤ 175 kPa | (18) | Replace “PP, EX, A” with: “PP, EP, EX, TOX, A”. |
| 1268 | PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTHA) 110 kPa < vp50 ≤ 150 kPa | (18) | Replace “PP, EX, A” with: “PP, EP, EX, TOX, A”. |
| 1268 | PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTHA) vp50 ≤ 110 kPa | (18) | Replace “PP, EX, A” with: “PP, EP, EX, TOX, A”. |
| 1268 | PETROLEUM DISTILLATES, N.O.S. with more than 10% BENZENE or PETROLEUM PRODUCTS, N.O.S. (BENZENE HEART CUT) vp50 ≤ 110 kPa | (18) | Replace “PP, EX, A” with: “PP, EP, EX, TOX, A”. |
| 3256 | ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60° C, at or above its flashpoint (Low QI Pitch) | (18) | Replace “PP, EX, A” with: “PP, EP, EX, TOX, A”. |
| 3257 | For the 2 entries | (18) | Replace “PP” with: “*”. |
| 3295 | HYDROCARBONS LIQUID, N.O.S. (POLYCYCLIC AROMATIC HYDROCARBONS MIXTURE) | (18) | Replace “PP, EX, A” with: “PP, EP, EX, TOX, A”. |
| 3295 | HYDROCARBONS, LIQUID, N.O.S. | (18) | Replace “PP, EX, A” with: “*”. |

In Table 3, make the following amendments:

| UN No. (with description/comments if necessary) | Column | Amendment | |
|---|---|-----------|--------------------------------|
| 1202 | GAS OIL or DIESEL FUEL or HEATING OIL (LIGHT) (flashpoint not more than 60° C) | (18) | Replace “PP” with: “*”. |
| 1202 | GAS OIL or DIESEL FUEL or HEATING OIL (LIGHT) (flashpoint more than 60° C but not more than 100° C) | (18) | Replace “PP” with: “*”. |
| 1223 | | (16) | Replace “II A” with: “II A7”. |
| 1863 | FUEL, AVIATION, TURBINE ENGINE | (18) | Replace “PP, EX, A” with: “*”. |

(Reference document: ECE/TRANS/WP.15/AC.2/2011/36)

Part 3**Chapter 3.2**

3.2.3 Table C

Insert 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) |
|--|--|-------|---------------------|---------------|-------------|---------------------|-------------------|-----------------|----------------------|---|-------------------------------|----------------------------|-------------------------|--------------------------------|-------------------|-----------------|------------------------------------|--------------------|-----------------------------|---------------------------------|
| UN No. or substance identification No. | Name and description | Class | Classification code | Packing Group | Danger | Type of tank vessel | Cargo tank design | Cargo tank type | Cargo tank equipment | Opening pressure of the high-velocity vent valve in kPa | Maximum degree of filling (%) | Relative density | Type of sampling device | Pump-room below deck permitted | Temperature class | Explosion Group | Anti-explosion protection required | Equipment required | Number of blue cones/lights | Additional requirements/Remarks |
| 3475 | ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE, with more than 10% but not more than 90% ethanol | 3 | F1 | II | 3+N2+CM R+F | N | 2 | 3 | 3 | 10 | 97 | 0.69 – 0.78 ¹⁰⁾ | 3 | Yes | T3 | II A | Yes | PP, EP, EX, TOX, A | 1 | |
| 3475 | ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE, with more than 90% ethanol | 3 | F1 | II | 3+N2+CM R+F | N | 2 | 3 | 3 | 10 | 97 | 0.78 – 0.79 ¹⁰⁾ | 3 | Yes | T2 | II B | Yes | PP, EP, EX, TOX, A | 1 | |

(Reference document: ECE/TRANS/WP.15/AC.2/2011/37)

Chapter 3.3

3.3.1

SP 636 (b) Amend the introductory sentence to read as follows:

"Up to the intermediate processing facility, used lithium cells and batteries with a gross mass of not more than 500 g each, whether or not contained in equipment, collected and handed over for carriage for disposal, together or without other non-lithium cells or batteries, are not subject to the other provisions of ADN if they meet the following conditions:".

(Reference document: ECE/TRANS/WP.15/AC.1/122)

Add the following new special provision:

657 This entry shall be used for the technically pure substance only; for mixtures of LPG components, see UN 1965 or see UN 1075 in conjunction with NOTE 2 in 2.2.2.3.".

(Reference document: ECE/TRANS/WP.15/AC.1/120)

Add a new special provision 658 to read as follows:

658 UN No. 1057 LIGHTERS complying with standard EN ISO 9994:2006 + A1:2008 "Lighters – Safety Specification" and UN No. 1057 LIGHTER REFILLS, may be carried subject only to the provisions of 3.4.1 (a) to (f), 3.4.2 (except for the total gross mass of 30 kg), 3.4.3 (except for the total gross mass of 20 kg), 3.4.11 and 3.4.12, provided the following conditions are met:

- (a) The total gross mass of each package is not more than 10 kg;
- (b) Not more than 100 kg gross mass of such packages is carried in a wagon/vehicle; and
- (c) Each outer packaging is clearly and durably marked with "UN 1057 LIGHTERS" or "UN 1057 LIGHTER REFILLS", as appropriate."

(Reference document: ECE/TRANS/WP.15/AC.1/122)

Part 5

Chapter 5.2

5.2.2.2.1.2 In the first paragraph, add "and the environmentally hazardous substance mark when appropriate" after "specified in this section". In the second paragraph, add "and the environmentally hazardous substance mark (see 5.2.1.8.3)" before "may overlap to the extent".

(Reference document: ECE/TRANS/WP.15/AC.1/120)

Chapter 5.3

5.3.1.7.2 In the description under the placard in accordance with Model No. 7D, delete ", when required," and "(see 5.3.2.1.2)".

(Reference document: ECE/TRANS/WP.15/AC.1/120)

Chapter 5.4

5.4.1.1.2 (c) Add the following text at the end:

"For substances not mentioned by name in Table C (assigned to a generic entry or a N.O.S. entry and for which the flowchart in 3.2.3 is applicable) only the actual dangerous properties of the substance shall be mentioned."

(Reference document: ECE/TRANS/WP.15/AC.2/2011/21 as amended)

Part 7

Chapter 7.1

7.1.6.11 Add the following text to the end of RA02:

"Surface contaminated objects group (SCO-II) shall not be carried in bulk."

Amend RA03 to read as follows:

"RA03: *Merged with RA02*"

7.1.6.14 Add the following text to the end of HA03:

"Stacking of non-dangerous goods on top of packages containing these substances or articles is prohibited.

Where these substances or articles are loaded together with other goods in the same hold, these substances or articles shall be loaded after, and unloaded before, all the other goods.

There is no need for these substances or articles to be loaded after, and unloaded before, all others if these substances or articles are contained in containers.

While these substances or articles are being loaded or unloaded, no loading or unloading operations shall take place in the other holds and no filling or emptying of fuel tanks shall be allowed. The local competent authority may, however, permit exceptions to this provision."

Amend HA04, HA05 and HA06 to read as follows:

"HA04: *Merged with HA03*

HA05: *Merged with HA03*

HA06: *Merged with HA03*"

Consequential amendments:

Part 3

Chapter 3.2

3.2.1 Table A

In column (11), middle, delete "HA04, HA05, HA06" in entries with UN Nos. 0004, 0005, 0006, 0007, 0009, 0010, 0012, 0014, 0015 (twice), 0016 (twice), 0018, 0019, 0027, 0028, 0029, 0030, 0033, 0034, 0035, 0037, 0038, 0039, 0042, 0043, 0044, 0048, 0049, 0050, 0054, 0055, 0056, 0059, 0060, 0065, 0066, 0070, 0072, 0073, 0074, 0075, 0076, 0077, 0078, 0079, 0081, 0082, 0083, 0084, 0092, 0093, 0094, 0099, 0101, 0102, 0103, 0104, 0105, 0106, 0107, 0110, 0113, 0114, 0118, 0121, 0124, 0129, 0130, 0131, 0132, 0133, 0135, 0136, 0137, 0138, 0143, 0144, 0146, 0147, 0150, 0151, 0153, 0154, 0155, 0159,

0160, 0161, 0167, 0168, 0169, 0171, 0173, 0174, 0180, 0181, 0182, 0183, 0186, 0190, 0191, 0192, 0193, 0194, 0195, 0196, 0197, 0204, 0207, 0208, 0209, 0212, 0213, 0214, 0215, 0216, 0217, 0218, 0219, 0220, 0221, 0222, 0224, 0225, 0226, 0234, 0235, 0236, 0237, 0238, 0240, 0241, 0242, 0243, 0244, 0245, 0246, 0247, 0248, 0249, 0250, 0254, 0255, 0257, 0266, 0267, 0268, 0271, 0272, 0275, 0276, 0277, 0278, 0279, 0280, 0281, 0282, 0283, 0284, 0285, 0286, 0287, 0288, 0289, 0290, 0291, 0292, 0293, 0294, 0295, 0296, 0297, 0299, 0300, 0301, 0303 (twice), 0305, 0306, 0312, 0313, 0314, 0315, 0316, 0317, 0318, 0319, 0320, 0321, 0322, 0323, 0324, 0325, 0326, 0327, 0328, 0329, 0330, 0331, 0332, 0333, 0334, 0335, 0336, 0337, 0338, 0339, 0340, 0341, 0342, 0343, 0344, 0345, 0346, 0347, 0348, 0349, 0350, 0351, 0352, 0353, 0354, 0355, 0356, 0357, 0358, 0359, 0360, 0361, 0362, 0363, 0364, 0365, 0366, 0367, 0368, 0369, 0370, 0371, 0372, 0373, 0374, 0375, 0376, 0377, 0378, 0379, 0380, 0381, 0382, 0383, 0384, 0385, 0386, 0387, 0388, 0389, 0390, 0391, 0392, 0393, 0394, 0395, 0396, 0397, 0398, 0399, 0400, 0401, 0402, 0403, 0404, 0405, 0406, 0407, 0408, 0409, 0410, 0411, 0412, 0413, 0414, 0415, 0417, 0418, 0419, 0420, 0421, 0424, 0425, 0426, 0427, 0428, 0429, 0430, 0431, 0432, 0433, 0434, 0435, 0436, 0437, 0438, 0439, 0440, 0441, 0442, 0443, 0444, 0445, 0446, 0447, 0448, 0449, 0450, 0451, 0452, 0453, 0454, 0455, 0456, 0457, 0458, 0459, 0460, 0461, 0462, 0463, 0464, 0465, 0466, 0467, 0468, 0469, 0470, 0471, 0472, 0473, 0474, 0475, 0476, 0477, 0478, 0479, 0480, 0481, 0482, 0483, 0484, 0485, 0486, 0487, 0488, 0489, 0490, 0491, 0492, 0493, 0494, 0495, 0496, 0497, 0498, 0499, 0500, 0501, 0502, 0503, 0504, 0505, 0506, 0507, 508 and 0509.

For the entry for UN 2913 column (11), delete "RA03" on the right.

(Reference document: ECE/TRANS/WP.15/AC.2/2011/33)

Part 7

Chapter 7.2

7.2.4.40 Modify the text to read as follows:

"During loading and unloading, the fire extinguishing systems, the fire main with hydrants complete with couplings and jet/spray nozzles or with couplings and hoses with couplings and jet/spray nozzles shall be kept ready for operation in the cargo area on deck. The water supply system shall be capable of being put into operation from the wheelhouse and from the deck.

The freezing of fire-mains and hydrants shall be prevented."

(Reference document: ECE/TRANS/WP.15/AC.2/2011/28 as amended)

Part 8

Chapter 8.1

8.1.2.4 At the end of the second sentence, insert "and before the journey commences".

(Reference document: INF.18)

8.1.6.1 Amend to read as follows:

"8.1.6.1 Hand fire-extinguishers and fire-extinguishing hoses shall be inspected at least once every two years by persons authorized for this purpose by the competent authority. Proof of inspection shall be affixed to the hand fire-extinguishers. A certificate concerning this inspection shall be carried on board."

8.1.2.2 Add the following text:

"(d) The inspection certificates concerning the fixed fire extinguishing systems prescribed in 9.1.0.40.2.9."

8.1.2.3 Add the following text:

"(p) The inspection certificates concerning the fixed fire extinguishing systems prescribed in 9.3.1.40.2.9, 9.3.2.40.2.9 or 9.3.3.40.2.9."

(Reference document: ECE/TRANS/WP.15/AC.2/2011/23 as amended)

Chapter 8.2

8.2.1.4 Amend to read as follows:

"8.2.1.4 After five years the expert shall furnish proof, in the form of relevant particulars entered in the certificate by the competent authority or by a body recognized by it, of successful completion of a refresher course taken in the last year prior to the expiry of the certificate, covering at least the objectives referred to in 8.2.2.3.1.1 and in 8.2.2.3.1.2 or 8.2.2.3.1.3 and comprising current new developments in particular. A refresher course shall be considered to have been successfully completed if a final written test conducted by the course organizer under 8.2.2.2 has been passed. The test can be retaken as often as desired during the validity of the certificate. The new period of validity shall begin on the expiry date of the certificate; if the test is passed more than one year before the date of expiry of the certificate, it shall begin on the date of the certificate of participation in the course."

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

"(e) Detailed plan for final tests"

8.2.2.6.5 Amend the second sentence to read as follows:

"Approval shall be granted in writing for a limited period."

8.2.2.7 Amend the title to read as follows:

"Examinations and final tests"

8.2.2.7.3 Add a new paragraph to read as follows:

"8.2.2.7.3 Refresher training course

8.2.2.7.3.1 At the end of the refresher course, the course organizer shall conduct a test in accordance with paragraph 8.2.1.4.

8.2.2.7.3.2 The test shall be in writing. Candidates shall be asked 20 multiple-choice questions. At the end of every refresher course, a fresh question paper shall be prepared. The test shall last 40 minutes. It shall be deemed to have been passed if at least 16 of the 20 questions have been answered correctly. During the test, the texts of ADN and CEVNI or related police regulations may be consulted.

8.2.2.7.3.3 The provisions of paragraphs 8.2.2.7.1.2 and 8.2.2.7.1.3 shall apply to the administration of the tests.

8.2.2.7.3.4 The course organizer shall deliver to successful candidates a written certificate for presentation to the competent authority under paragraph 8.2.2.8.

8.2.2.7.3.5 The course organizer shall keep test papers of candidates for five years from the date of the test."

Consequential amendment:

8.2.2.7.1.5 Amend the last sentence to read as follows:

"8.2.2.7.3.6 During the test, the texts of ADN and CEVNI or related police regulations may be consulted.

(Reference document: ECE/TRANS/WP.15/AC.2/2011/29 as amended)

Chapter 8.6

8.6.1.3 and 8.6.1.4 Amend the seventh point under entry 8 to read as follows and delete the reference to footnote 2:

"Ventilation system ensuring an overpressure"

(Reference document: ECE/TRANS/WP.15/AC.2/2011/26)

8.6.3 Amend page 1 of the ADN Checklist to read as follows:

| ADN Checklist | | | | |
|---|---|------------------------------------|---------------|---------------|
| concerning the observance of safety provisions and the implementation of the necessary measures for loading/unloading | | | | |
| - Particulars of vessel | | | | |
| | No. | | | |
| (name of vessel) | (official number) | | | |
| | | | | |
| (vessel type) | | | | |
| - Particulars of loading or unloading operations | | | | |
| | | | | |
| (shore loading or unloading installation) | (place) | | | |
| | | | | |
| (date) | (time) | | | |
| - Particulars of the cargo as indicated in the transport document | | | | |
| Quantity m ³ | Proper shipping name supplemented, when applicable, by the technical name | UN Number or Identification number | Dangers* | Packing Group |
| | | | | |
| | | | | |
| | | | | |
| - Particulars of last cargo** | | | | |
| Proper shipping name supplemented, when applicable, by the technical name | UN Number or Identification number | Dangers* | Packing Group | |
| | | | | |
| | | | | |
| | | | | |

* Dangers indicated in column (5) of Table C, as relevant (as mentioned in the transport document in accordance with 5.4.1.1.2 (c).

**To be filled in only if vessel is to be loaded.

(Reference document: ECE/TRANS/WP.15/AC.2/2011/25 as amended)

Part 9

Chapter 9.3

9.3.x.40.1 In the first paragraph of the second indent:

[- In the second sentence, replace "spray nozzles" by "jet/spray nozzles".]

- Insert a new third sentence to read as follows:

"Alternatively one or more of the hoses may be substituted by directable jet/spray nozzles having a diameter of not less than 12 mm."

(Reference document: ECE/TRANS/WP.15/AC.2/2011/28 as amended)
