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Joint Meeting of the RID Committee of Experts and the
Working Party on the Transport of Dangerous Goods

Report of the Joint Meeting of the RID Committee of Experts and the Working Party on the Transport of Dangerous Goods on its spring 2014 session¹

held in Bern from 17–21 March 2014

Addendum²

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Annex II

Draft amendments to RID/ADR/ADN for entry into force on 1 January 2015

A. Modifications to documents ECE/TRANS/WP.15/222 – OTIF/RID/CE/GTP/2013/17 and ECE/ADN/27:

Chapter 1.1 (RID and ADR only)

1.1.3.6.3 In the second indent, after "compressed gases", insert ", adsorbed gases".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/35)

Chapter 1.6 (RID and ADR only)

1.6.2.13 Amend to read as follows:

"1.6.2.13 Bundles of cylinders manufactured before 1 July 2013 which are not marked in accordance with 6.2.3.9.7.2 and 6.2.3.9.7.3 applicable from 1 January 2013 or 6.2.3.9.7.2 applicable from 1 January 2015 may be used until the next periodic inspection after 1 July 2015."

(Reference document: ECE/TRANS/WP.15/AC.1/2014/16 as amended by informal document INF.12)

Chapter 1.8 (RID and ADR only)

1.8.6.8 The amendment does not apply to the English text.

Chapter 3.2, Table A

(RID:) In the amendment to UN 1408, delete the square brackets.

(ADR:) In the amendment to UN 1408, replace "AP4 AP5" by "AP3 AP4 AP5".

(Reference document: informal document INF.26)

(RID:) In the amendments to UN 3170, PG II and UN 3170, PG III, replace "[AP3] AP4 AP5" by "AP2".

(ADR:) In the amendments to UN No. 3170 (packing group II) and UN No. 3170 (packing group III), replace "AP4 AP5" by "AP2".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/21 as amended by informal document INF.49)

Chapter 3.3

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

SP 594 Amend to read as follows:

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

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

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

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

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

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

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

"– Radioactive material; nor".

(Reference document: informal document INF.34)

(ADR only:)

SP 664 In the second indent after "Additive devices:", replace "emptying device" by "discharge device".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/5 as amended by informal document INF.53)

Chapter 4.1

4.1.4.1

P 200 (RID only:) In the amendment to paragraph (13), in sub-paragraph 1.3, delete the square brackets for standard "EN ISO 7866".

P 200 (ADR only:) In paragraph (13), sub-paragraph 1.3, insert the following new fourth indent:

"– EN ISO 7866; or".

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

Chapter 5.5

5.5.3.1.5 Delete the last sentence.

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

Chapter 6.2 (RID and ADR only)

6.2.2.10, 6.2.2.11, 6.2.3.6.1, 6.2.4.1 and 6.2.4.2 The amendment does not apply to the English text.

6.2.3 Replace the amendment to 6.2.3.9.7 by the following amendment:

6.2.3.9.7 Amend to read as follows:

"6.2.3.9.7 Marking of bundles of cylinders

6.2.3.9.7.1 Individual cylinders in a bundle of cylinders shall be marked in accordance with 6.2.3.9.1 to 6.2.3.9.6.

6.2.3.9.7.2 Marking of bundles of cylinders shall be in accordance with 6.2.2.10.2 and 6.2.2.10.3, except that the United Nations packaging symbol specified in 6.2.2.7.2 (a) shall not be applied.

6.2.3.9.7.3 In addition to the preceding marks, each bundle of cylinders that meets the periodic inspection and test requirements of 6.2.4.2 shall be marked indicating:

(a) The character(s) identifying the country authorizing the body performing the periodic inspection and test, as indicated by the distinguishing sign of motor vehicles in international traffic³. This marking is not required if this body is approved by the competent authority of the country approving manufacture;

(b) The registered mark of the body authorised by the competent authority for performing periodic inspection and test;

(c) The date of the periodic inspection and test, the year (two digits) followed by the month (two digits) separated by a slash (i.e. "/"). Four digits may be used to indicate the year.

The above marks shall appear consecutively in the sequence given either on the plate specified in 6.2.2.10.2 or on a separate plate permanently attached to the frame of the bundle of cylinders.

³ Distinguishing signs for motor vehicles in international traffic prescribed in the Vienna Convention on Road Traffic (1968)."

(Reference document: ECE/TRANS/WP.15/AC.1/2014/16 as amended by informal document INF.12)

6.2.4.1 Under the title of the new standard "EN ISO 3807:2013", add the following Note:

"NOTE: *Fusible plugs shall not be fitted.*"

(RID only:) Amend the first amendment to standard "EN ISO 11120:1999" to read as follows:

"– For standard "EN ISO 11120:1999", in column (4), replace "Until further notice" by "Between 1 July 2001 and 30 June 2015"."

(RID only:) In the second amendment to standard "EN ISO 11120:1999", replace "[31 December 2016]" by "31 December 2015".

(ADR only:) Before the amendment concerning the insertion of standard "EN ISO 11120:1999 + A1:2013", insert the following amendments:

– For standard "EN ISO 11120:1999", in column (4), replace "Until further notice" by "Between 1 July 2001 and 30 June 2015".

– For standard "EN ISO 11120:1999", in column (5), add the following new text: "31 December 2015 for tubes marked with the letter "H" in accordance with 6.2.2.7.4 (p)".

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

Chapter 6.8 (RID and ADR only)

6.8.2.2.3 The amendment does not apply to the English text.

6.8.2.6.1 (RID only:) For standard "EN 14025:[2013]", delete the square brackets.

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

6.8.2.6.1, 6.8.2.6.2, 6.8.3.6, 6.8.4 TA4 and TT9 The amendment does not apply to the English text.

Chapter 7.3 (RID and ADR only)

7.3.3.2.1 and 7.3.3.2.7 Amend additional provision AP2 to read as follows:

"AP2 Wagons/vehicles and containers shall have adequate ventilation."

(Reference document: ECE/TRANS/WP.15/AC.1/2014/21 as amended by informal document INF.49)

7.3.3.2.3 Before the additional provision AP3, insert:

"AP2 Wagons/vehicles and containers shall have adequate ventilation."

(Reference document: ECE/TRANS/WP.15/AC.1/2014/21 as amended by informal document INF.49)

B. New amendments

Chapter 1.1

(RID:)

1.1.3.3 After "to the carriage of", insert a colon.

The subsequent text becomes paragraph (a).

Add the following paragraphs (b) and (c):

"(b) (Reserved)

(c) fuel contained in the tanks of non-road mobile machinery as defined in Article 2 of Directive 97/68/EC* which is carried as a load, when it is destined for its propulsion or the operation of any of its equipment. The fuel may be carried in fixed fuel tanks connected directly to the vehicle engine and/or equipment and which meet the legal requirements. Where appropriate, this machinery shall be loaded upright and secured against falling.

* Directive 97/68/EC of the European Parliament and of the Council of 16 December 1997 on the approximation of the laws of the Member States relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be

installed in non-road mobile machinery (Official Journal of the European Communities No. L 059 of 27 February 1998."

(ADR:)

1.1.3.3 Add a new paragraph (c) to read as follows:

"(c) fuel contained in the tanks of non-road mobile machinery as defined in Article 2 of Directive 97/68/EC¹ which is carried as a load, when it is destined for its propulsion or the operation of any of its equipment. The fuel may be carried in fixed fuel tanks connected directly to the vehicle engine and/or equipment and which meet the legal requirements. Where appropriate, this machinery shall be loaded upright and secured against falling.

¹ Directive 97/68/EC of the European Parliament and of the Council of 16 December 1997 on the approximation of the laws of the Member States relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be installed in non-road mobile machinery (Official Journal of the European Communities No. L 059 of 27 February 1998."

(ADN:)

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

¹ Directive 97/68/EC of the European Parliament and of the Council of 16 December 1997 on the approximation of the laws of the Member States relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be installed in non-road mobile machinery (Official Journal of the European Communities No. L 059 of 27 February 1998.

(ADR and ADN)

Renumber footnote of 1.1.4.3 as footnote 2.

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

(RID and ADR only)

1.1.3.6.3 In the Table, amend the entry for "Class 9" under transport category 4 to read as follows:

"Class 9: UN Nos. 3268, 3499 and 3509".

(Reference document: informal document INF.39)

Chapter 1.2

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

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

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

1.2.1 Insert in alphabetical order:

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

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

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

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

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

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

1.2.1 In the definition of "Service equipment", in paragraphs (a) and (b), replace "emptying" by "discharge".

In the definition of "Service equipment", in paragraph (a), replace "venting" by "breather".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/5 as amended by informal document INF.53)

Chapter 1.6 (RID and ADR only)

1.6.2 Add the following new transitional measure:

"1.6.2.15 Bundles of cylinders periodically inspected before 1 July 2015 which are not marked in accordance with 6.2.3.9.7.3 applicable from 1 January 2015 may be used until the next periodic inspection after 1 July 2015."

(Reference document: informal document INF.12)

1.6.4.31 Delete the transitional measure and insert:

"1.6.4.31 (Deleted)".

(Reference document: informal document INF.28)

Chapter 1.8

1.8.6.4.1 After the first sentence, insert: "In the case of separate accreditation, this entity shall be duly accredited according to standard EN ISO/IEC 17025:2005 and shall be recognised by the inspection body as an independent and impartial testing laboratory in order to perform testing tasks in accordance with its accreditation, or it shall be accredited according to standard EN ISO/IEC 17020:2012 (except clause 8.1.3)."

(Reference document: ECE/TRANS/WP.15/AC.1/2014/7 as amended by informal document INF.47)

Chapter 2.2

2.2.3.1.4 Amend to read as follows:

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

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

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

- (b) Less than 3% of the clear solvent layer separates in the solvent separation test;
- (c) The mixture or any separated solvent does not meet the criteria for Class 6.1 or Class 8;
- (d) The substances are packed in receptacles of not more than 450 litre capacity.

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

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

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

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

Footnote 2 unchanged.

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

Chapter 3.2, Table A (RID and ADR only)

(ADR only:)

For UN Nos. 1011, 1075, 1965, 1969 and 1978, in column (13), insert "TT11".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/30 as amended by informal document INF.53)

For UN 1131, in column (13), insert "TU2".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/9 as amended by informal document INF.53)

For the entries of UN Nos. 1133, 1139, 1169, 1197, 1210, 1263, 1266, 1286, 1287, 1306, 1866, 1993 and 1999 to which special provision "640F", "640G" or "640H" is assigned in column (6), delete the tank provisions in columns (10), (11), and (12) and the packing instruction "LP01" in column (8).

For the entries of UN Nos. 1133, 1139, 1169, 1197, 1210, 1263, 1266, 1286, 1287, 1306, 1866, 1993 and 1999 to which special provision "640H" is assigned in column (6), insert "BB4" in column (9a) against "IBC02" in column (8).

(Reference document: informal document INF.29)

For UN 3170, PG II and III, in column (18), insert "CW37/CV37".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/21 as amended by informal document INF.49)

Chapter 3.3 (RID and ADR only)

SP 363 In the first sentence, delete "paragraphs (a) or (b) of".

Chapter 4.1 (RID and ADR only)

4.1.1.19 At the end, add "and large salvage packagings".

4.1.1.19.1 At the end of the first sentence, add "and in large salvage packagings mentioned in 6.6.5.1.9".

4.1.1.19.1 In the second sentence, after "packaging", insert ", including intermediate bulk container (IBC) and large packaging,".

4.1.1.19.2 In the first and second sentence, after "salvage packaging", insert "or large salvage packaging".

(Reference document: informal document INF.18 as amended)

4.1.4.2

IBC 02 Add the following new special packing provision specific to RID and ADR:

"BB 4 For UN Nos. 1133, 1139, 1169, 1197, 1210, 1263, 1266, 1286, 1287, 1306, 1866, 1993 and 1999, assigned to packing group III in accordance with 2.2.3.1.4, IBCs with a capacity greater than 450 litres are not permitted.".

(Reference document: informal document INF.29)

Chapter 4.5

4.5.2.1 Replace "4.5.2.2 to 4.5.2.5/4.5.2.4" by "4.5.2.2 to 4.5.2.6".

4.5.2 (RID:) Insert a new 4.5.2.6 to read as follows:

"4.5.2.6 When a vacuum pump/exhauster unit which may provide a source of ignition is used to fill or discharge flammable liquids, precautions shall be taken to avoid ignition of the substance or to avoid the propagation of the effects of the ignition outside the tank itself.".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/6 as amended by informal document INF.53)

(ADR:) Insert the new sub-sections 4.5.2.5 and 4.5.2.6 to read as follows:

"4.5.2.5 (Reserved)

4.5.2.6 When a vacuum pump/exhauster unit which may provide a source of ignition is used to fill or discharge flammable liquids, precautions shall be taken to avoid ignition of the substance or to avoid the propagation of the effects of the ignition outside the tank itself."

(Reference document: ECE/TRANS/WP.15/AC.1/2014/6 as amended by informal document INF.53)

Chapter 5.3

(ADR and ADN only:)

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

(ADR and ADN only:)

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

Chapter 6.2 (RID and ADR only)

6.2.3.1 Add the following new paragraph:

"6.2.3.1.5 Acetylene cylinders shall not be fitted with fusible plugs."

(Reference documents: informal documents INF.21/Rev.1 + INF.42)

6.2.4.1 Amend the Table, under "for design and construction", as follows:

– For standard "EN 1975:1999 + A1:2003", in column (4), replace "Until further notice" by "Between 1 January 2009 and 31 December 2016".

– After standard "EN 1975:1999 + A1:2003", insert the following new row:

EN ISO 7866:2012 [+ AC:2014]	Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing (ISO 7866:2012)	6.2.3.1 and 6.2.3.4	Until further notice	
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Amend the Table, under "for closures", as follows:

– For standard "EN ISO 10297:2006", in column (4), replace "Until further notice" by "Between 1 January 2009 and 31 December [2016] [2018]".

– After standard "EN ISO 10297:2006", insert the following new row:

EN ISO 10297:[2014]	Gas cylinders – Cylinder valves – Specification and type testing (ISO/DIS 10297:2012)	6.2.3.1 and 6.2.3.3	Until further notice	
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– Add the following new rows:

EN ISO 14246:[2014]	Gas cylinders – Cylinder valves – Manufacturing tests and examinations (ISO 14246:2014)	6.2.3.1 and 6.2.3.4	Until further notice	
EN 13648-1:2008	Cryogenic vessels – Safety devices for protection against excessive pressure – Part 1: Safety valves for cryogenic service	6.2.3.1 and 6.2.3.4	Until further notice	
EN 1626:2008	Cryogenic vessels – Valves for cryogenic service	6.2.3.1 and 6.2.3.4	Until further notice	

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

6.2.4.2 Amend the Table as follows:

- For standard "EN 12863:2002 + A1:2005", in the last column, replace "Until further notice" by "Until 31 December 2016".
- After standard "EN 12863:2002 + A1:2005", insert the following new row:

EN ISO 10462:2013	Gas cylinders – Acetylene cylinders – Periodic inspection and maintenance (ISO 10462:2013)	Mandatorily from 1 January 2017
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- Delete the entry for standard "EN 14189:2003".
- For standard "EN ISO 22434:2012", in column "Reference", replace "EN ISO 22434:2012" by "EN ISO 22434:2011".
- For standard "EN ISO 22434:2012", in column "Applicable", replace "Mandatorily from 1 January 2015" by "Until further notice".
- For standard "EN 1440:2008 + A1:2012 (except annexes G and H)", in column "Applicable", replace "Mandatorily from 1 January 2015" by "Until further notice".

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

Chapter 6.8

(ADR only:)

6.8.2.6.1 Amend the Table under "for all tanks" as follows:

- For standard "EN 14025:2008", in column (4), replace "Until further notice" by "Between 1 July 2009 and 31 December 2016".
- After standard "EN 14025:2008", insert the following new row:

EN 14025:2013	Tanks for the transport of dangerous goods – Metallic pressure tanks – Design and construction	6.8.2.1 and 6.8.3.1	Until further notice	
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Amend the Table under "for tanks for gases of Class 2" as follows:

- After the standard "EN 12493:2008 + A1:2012 (except Annex C)", insert the following new row:

EN 12493:2013 [+ A1:2014] (except Annex C)	LPG equipment and accessories – Welded steel tanks for liquefied petroleum gas (LPG) – Road tankers – Design and manufacture	6.8.2.1, 6.8.2.5, 6.8.3.1, 6.8.3.5, 6.8.5.1 to 6.8.5.3	Until further notice	
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- For standard "EN 14398-2:2003 (except Table 1)", in column (2), after the title of the standard, add the following Note:

NOTE: *This standard shall not be used for those gases which are carried at temperatures below -100 °C.*

- For standard "EN 14398-2:2003 (except Table 1)", in column (4), replace "Until further notice" by "Between 1 January 2005 and 31 December 2016".
- After standard "EN 14398-2:2003 (except Table 1)", insert the following new row:

EN 14398-2:2003 + A2:2008	Cryogenic vessels – Large transportable non-vacuum insulated vessels – Part 2: Design, fabrication, inspection and testing <i>NOTE: This standard shall not be used for those gases which are carried at temperatures below -100 °C.</i>	6.8.2.1 (with the exception of 6.8.2.1.17, 6.8.2.1.19 and 6.8.2.1.20), 6.8.2.4, 6.8.3.1 and 6.8.3.4	Until further notice	
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– At the end, add the following row:

EN 1626:2008	Cryogenic vessels – Valves for cryogenic service	6.8.2.4 and 6.8.3.4	Until further notice	
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(Reference document: informal document INF.21/Rev.1)

(RID only:)

6.8.3.2.13 Replace "demountable elements" by "demountable tanks".

(Reference document: informal document INF.15)

(ADR only:)

6.8.4 (d) Add the following new special provision TT11 (left hand side only):

"TT11 For fixed tanks (tank-vehicles) and demountable tanks used exclusively for the carriage of LPG, with carbon steel shells and service equipment, the hydraulic pressure test, at the time of the periodic inspection, may be replaced by the non-destructive testing (NDT) techniques listed below, either singularly or in combination as deemed suitable by the competent authority, its delegate or inspection body (see special provision TT9):

- EN ISO 17640:2010 – Non-destructive testing of welds – Ultrasonic testing – Techniques, testing levels and assessment,
- EN ISO 17638:2009 – Non-destructive testing of welds – Magnetic particle testing, with indications acceptance in accordance with EN ISO 23278:2009 – Magnetic particle testing of welds. Acceptance levels,
- EN 1711:2000 – Non-destructive testing of welds – Eddy current examination of welds by complex plane analysis,
- EN 14127:2011 – Non-destructive testing – Ultrasonic thickness measurement,

Personnel involved in NDT shall be qualified, certified and have the appropriate theoretical and practical knowledge of the non-destructive tests they perform, specify, supervise, monitor or evaluate in accordance with:

- EN ISO 9712:2012 – Non-destructive testing – Qualification and certification of NDT personnel.

After direct application of heat such as welding or cutting to the pressure containing elements of the tank a hydraulic test shall be carried out in addition to any prescribed NDT.

NDT shall be performed on the areas of the shell and equipment listed in the table below:

Area of shell and equipment	NDT
Shell longitudinal butt welds	100% NDT, using one or more of the following techniques: ultrasonic, magnetic
Shell circumferential butt welds	

Attachments, manway, nozzles and opening welds (internal) direct to the shell	particle or eddy current testing
High stress areas of fastening doubling plates (over the end of the saddle horn, plus 400 mm down each side)	
Piping and other equipment welds	
Shell, areas that cannot be visually inspected from the outside	Ultrasonic thickness survey, from inside, on a 150 mm (maximum) spaced grid

Irrespective of the original design and construction standard or technical code used for the tank, the defect acceptance levels shall be in accordance with the requirements of the relevant parts of EN 14025:2013 (Tanks for the transport of dangerous goods – metallic pressure tanks – design and construction), EN 12493:2013 (LPG equipment and accessories – welded steel tanks for liquefied petroleum gas (LPG) – road tankers – design and manufacture), EN ISO 23278:2009 (Non-destructive testing of welds – magnetic particle testing of welds – Acceptance levels) or the acceptance standard referenced in the applicable NDT standard.

If an unacceptable defect is found in the tank by NDT methods it shall be repaired and retested. It is not permitted to hydraulic test the tank without undertaking the required repairs.

The results of the NDT shall be recorded and retained for the lifetime of the tank."

(Reference document: ECE/TRANS/WP.15/AC.1/2014/30 as amended by informal document INF.53)

6.8.4 (e) TM 3 Amend the first sentence to read:

"Tanks shall also bear, on the plate prescribed in 6.8.2.5.1, the proper shipping name and the maximum permissible load mass in kg for this substance."

(Reference document: informal document INF.15 as amended by informal document INF.53)

Chapter 6.10 (RID and ADR only)

6.10.3.8 (b) Replace "to both the inlet and outlet" by "to all openings".

6.10.3.8 (b) The second amendment does not apply to the English text.

(Reference document: ECE/TRANS/WP.15/AC.1/2014/6 as amended by informal document INF.53)

Chapter 6.11 (RID and ADR only)

6.11.1 Amend to read as follows:

"6.11.1 (Reserved)".

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

6.11.4.1 In the Note, after "591", insert ", 592".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/4 as amended)

Chapter 7.1 (RID and ADR only)

7.1.3 After "591 (status at 01.10.2007, 3rd edition)", insert "592 (status at 01.10.2013, 2nd edition)".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/4 as amended)

7.1.3 At the end, after "591", insert ", 592".

(Reference document: informal document INF.13 as amended)

Chapter 7.3 (RID and ADR only)

7.3.2.4 Delete "(code BK2)".

(Reference document: ECE/TRANS/WP.15/AC.1/2014/21 as amended by informal document INF.49)

Chapter 7.5 (RID and ADR only)

7.5.1 Add the following new sub-section:

"7.5.1.6 All means of containment shall be loaded and unloaded in conformity with a handling method for which they have been designed and, where required, tested."

(Reference document: informal document INF.51)

7.5.11 At the end add the following additional provision:

"CW37/CV37 Before carriage, aluminium smelting by-products or aluminium remelting by-products shall be cooled to ambient temperature prior to loading. Sheeted wagons/vehicles and sheeted containers shall be waterproof. The cargo doors of the closed wagons/vehicles and closed containers shall be marked with the following in letters not less than 25 mm high:

"WARNING
CLOSED MEANS OF CONTAINMENT
OPEN WITH CAUTION"

This shall be in a language considered appropriate by the consignor."

(Reference document: ECE/TRANS/WP.15/AC.1/2014/21 as amended by informal document INF.49)

Annex III

Draft amendments for entry into force on 1 January 2017

Chapter 6.2 (RID and ADR only)

6.2.4.1 Amend the Table, under "for design and construction", as follows:

- For standard "EN 14140:2003 + A1:2006", in column (4), replace "Until further notice" by "Between 1 January 2009 and 31 December 2018".
- After standard "EN 14140:2003 + A1:2006", insert the following new row:

EN 14140: [2014]	LPG Equipment and accessories – Transportable refillable welded steel cylinders for LPG – Alternative design and construction	6.2.3.1 and 6.2.3.4	Until further notice	
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In the Table, under "for closures", add the following row:

EN 13175: [2014]	LPG Equipment and accessories – Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings	6.2.3.1 and 6.2.3.3	Until further notice	
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(Reference document: informal document INF.21/Rev.1)

Chapter 6.8 (RID and ADR only)

6.8.2.6.1 Amend the Table under "for tanks for gases of Class 2" as follows:

- (ADR only:) At the end, add the following row:

EN 13175: [2014]	LPG Equipment and accessories – Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings	6.8.2.1.1, 6.8.2.2, 6.8.2.4.1 and 6.8.3.2.3	Until further notice	
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(Reference document: informal document INF.21/Rev.1)

6.8.2.6.2 (ADR only:) At the end, add the following row:

EN 14334:[2014]	LPG equipment and accessories – Inspection and testing of LPG road tankers	6.8.2.4 (except 6.8.2.4.1), 6.8.3.4.2 and 6.8.3.4.9	Until further notice	
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(Reference document: informal document INF.21/Rev.1)

1.2.1, 1.6.3 (RID), 1.6.4, 4.3.3.5, 5.4.1.2.2 (c) and (d), 6.8.3.2.15, 6.8.3.4 and 6.8.3.5.4:

Texts proposed in paragraphs 32 to 42 of ECE/TRANS/WP.15/AC.1/134/Add.1 adopted.