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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

Working Party on the Transport of Dangerous Goods

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 THE SESSION<sup>1</sup>**

held in Bern from 8 to 11 September 2009 and in Geneva from 14 to 18 September 2009

Addendum

Annex

Texts adopted by the Joint Meeting

(Draft amendments to RID, ADR and ADN for entry into force on 1 January 2011)

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<sup>1</sup> Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2009-B/Add.1.

## **PART 1**

### **Chapter 1.2**

1.2.1 Amend the definition of "loader" to read as follows:

*"Loader"* means any enterprise which:

- (a) Loads packaged dangerous goods, small containers or portable tanks into or onto a wagon/vehicle or a container; or
- (b) Loads a container, bulk-container, tank-container or portable tank onto a wagon/vehicle."

*(Reference document: informal document INF.40)*

(RID only:) In the definition of "wagon", add at the end "(see also battery-wagon, closed wagon, open wagon, sheeted wagon and tank-wagon)".

Add the following new definition:

*"Unloader"* means any enterprise which:

- (a) Removes a container, bulk-container, MEGC, tank-container or portable tank from a wagon/vehicle; or
- (b) Unloads packaged dangerous goods, small containers or portable tanks out of or from a wagon/vehicle or a container; or
- (c) Discharges dangerous goods from a tank (tank-wagon/tank-vehicle, demountable tank, portable tank or tank-container) or from a battery-wagon/battery-vehicle, MEMU or MEGC or from a wagon/vehicle, large container or small container for carriage in bulk or a bulk-container."

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/15 and informal document INF.39)*

### **Chapter 1.4**

1.4.2 After the heading, insert the following new Note:

***NOTE 1:*** *Several participants to which safety obligations are assigned in this section may be one and the same enterprise. Also, the activities and the corresponding safety obligations of a participant can be assumed by several enterprises."*

Re-number existing Note as Note 2.

*(Reference document: informal document INF.38)*

1.4.2.3 Amend to read as follows:

**"1.4.2.3 *Consignee***

1.4.2.3.1 The consignee has the obligation not to defer acceptance of the goods without compelling reasons and to verify, after unloading, that the requirements of RID/ADR concerning him have been complied with.

1.4.2.3.2 (RID:) A wagon or container may only be returned or reused once the requirements of RID concerning the unloading have been complied with.

(ADR:) If, in the case of a container, this verification brings to light an infringement of the requirements of ADR, the consignee shall return the container to the carrier only after the infringement has been remedied.

1.4.2.3.3 If the consignee makes use of the services of other participants (unloader, cleaner, decontamination facility, etc.) he shall take appropriate measures to ensure that the requirements of 1.4.2.3.1 and 1.4.2.3.2 of RID/ADR have been complied with."

(Reference documents: ECE/TRANS/WP.15/AC.1/2009/15 and informal document INF.39)

(ADR only:)

Add a new 1.4.3.6 to read as follows:

"1.4.3.6 (*Reserved*)".

Add a new sub-section 1.4.3.7 to read as follows:

**"1.4.3.7 *Unloader***

*NOTE: In this sub-section, unloading covers removal, unloading and discharging as indicated in the definition of unloader in 1.2.1.*

1.4.3.7.1 In the context of 1.4.1, the unloader shall in particular:

- (a) Ascertain that the correct goods are unloaded by comparing the relevant information on the transport document with the information on the package, container, tank, MEMU, MEGC or wagon/vehicle;
- (b) Before and during unloading, check whether the packagings, the tank, the wagon/vehicle or container have been damaged to an extent which would endanger the unloading operation. [If this is the case, unloading shall not be carried out until appropriate measures have been taken];
- (c) Comply with all relevant requirements concerning unloading;
- (d) Immediately following the unloading of the tank, wagon/vehicle or container:

- (i) Remove any dangerous residues which have adhered to the outside of the tank, wagon/vehicle or container during the process of unloading; and
- (ii) Ensure the closure of valves and inspection openings;
- (e) Ensure that the prescribed cleaning and decontamination of the wagons/vehicles or containers is carried out; and
- (f) (RID:) Ensure that the wagons and containers once completely unloaded, cleaned, degassed and decontaminated, no longer display placards and orange-coloured plate markings.

(ADR:) Ensure that the containers once completely unloaded, cleaned and decontaminated, no longer display danger markings conforming to Chapter 5.3.

1.4.3.7.2 If the unloader makes use of the services of other participants (cleaner, decontamination facility, etc.) he shall take appropriate measures to ensure that the requirements of RID/ADR have been complied with."

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/15)*

## **Chapter 1.6**

Insert a new 1.6.1.19 to read as follows:

"1.6.1.19 Provisions concerning the classification of environmentally hazardous substances applicable until 31 December 2010 may be applied until 31 December 2012."

*(Reference document: informal document INF.51)*

Insert a new 1.6.1.20 to read as follows:

"1.6.1.20 Notwithstanding the requirements of Chapter 3.4 applicable as from 1 January 2011, dangerous goods packed in limited quantities, other than those which are assigned figure "0" in column (7a) of table A of Chapter 3.2, may continue to be carried until 30 June 2015 in accordance with the requirements of Chapter 3.4 in force up to 31 December 2010."

1.6.2 Add the following new transitional measures:

"1.6.2.9 The provisions of packing instruction P200 (10), special packing provision v of 4.1.4.1 applicable until 31 December 2010 may be applied by OTIF Member States/Contracting Parties to ADR to cylinders constructed before 1 January 2015.

1.6.2.10 Refillable welded steel cylinders for the carriage of gases of UN Nos. 1011, 1075, 1965, 1969 or 1978, granted 15 year intervals for periodic inspection in accordance with packing instruction P200 (10), special packing provision v of

4.1.4.1 as applicable until 31 December 2010 by the competent authority of the country (countries) of carriage, may continue to be periodically inspected according to those provisions.

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/22 and informal document INF.43)*

1.6.2.11 Member States/Contracting Parties need not apply the requirements of 1.8.6, 1.8.7 or 1.8.8 for the conformity assessment of gas cartridges before 1 January 2013. In this case, gas cartridges constructed and prepared for carriage before 1 January 2013 may still be carried after this date, provided all the applicable provisions of RID/ADR are met."

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/39 and informal document INF.46)*

1.6.3 Add the following new transitional measures:

"1.6.3.38 Tank-wagons and battery wagons / Fixed tanks (tank-vehicles), demountable tanks and battery vehicles designed and constructed in accordance with standards applicable at the time of their construction (see 6.8.2.6 and 6.8.3.6) according to the provisions of RID/ADR which were applicable at that time may still be used unless restricted by a specific transitional measure.

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/34 and informal document INF.55/Add.1)*

1.6.3.39 Tank-wagons / Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 January 2011 in accordance with the requirements of 6.8.2.2.3 in force up to 31 December 2010 but which do not, however, conform to the requirements of 6.8.2.2.3, second paragraph, concerning the position of the flame trap or flame arrester may still be used."

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/10 and informal document INF.55)*

1.6.4 Add the following new transitional measures:

"1.6.4.36 Tank-containers and MEGCs designed and constructed in accordance with standards applicable at the time of their construction (see 6.8.2.6 and 6.8.3.6) according to the provisions of RID/ADR which were applicable at that time may still be used unless restricted by a specific transitional measure.

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/34 and informal document INF.55/Add.1)*

1.6.4.37 Tank-containers constructed before 1 January 2011 in accordance with the requirements of 6.8.2.2.3 in force up to 31 December 2010 but which do not, however, conform to the requirements of 6.8.2.2.3, second paragraph, concerning the position of the flame trap or flame arrester may still be used."

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/10 and informal document INF.55)*

## Chapter 1.8

(RID/ADR only:)

Amend section 1.8.6 to read as follows:

### **"1.8.6 Administrative controls for application of the conformity assessments, periodic inspections, and exceptional checks described in 1.8.7**

#### **1.8.6.1 *Approval of inspection bodies***

The competent authority may approve inspection bodies for conformity assessments, periodic inspections, exceptional checks and surveillance of the in-house inspection service as specified in 1.8.7.

#### **1.8.6.2 *Operational obligations for the competent authority, its delegate or inspection body***

1.8.6.2.1 The competent authority, its delegate or inspection body shall carry out conformity assessments, periodic inspections and exceptional checks in a proportionate manner, avoiding unnecessary burdens. The competent authority, its delegate or inspection body shall perform its activities taking into consideration the size, the sector and the structure of the undertakings involved, the relative complexity of the technology and the serial character of production.

1.8.6.2.2 Nevertheless the competent authority, its delegate or inspection body shall respect the degree of rigour and the level of protection required for the compliance of the transportable pressure equipment by the provisions of parts 4 and 6 as applicable.

1.8.6.2.3 Where a competent authority, its delegate or inspection body finds out that requirements laid down in parts 4 or 6 have not been met by the manufacturer, it shall require the manufacturer to take appropriate corrective measures and it shall not issue any type approval certificate or certificate of conformity.

#### **1.8.6.3 *Information obligation***

OTIF Member States/Contracting Parties to ADR shall publish their national procedures for the assessment, appointment and monitoring of inspection bodies and of any changes to that information.

#### **1.8.6.4 *Delegation of inspection tasks***

*NOTE: In-house inspection services according to 1.8.7.6 are not covered by 1.8.6.4.*

1.8.6.4.1 Where an inspection body uses the services of any other entity (e.g. subcontractor, subsidiary), to carry out specific tasks connected with the conformity assessment, periodic inspection or exceptional checks, this entity shall be included in the

accreditation of the inspection body, or it shall be accredited separately. The inspection body shall ensure that this entity meets the requirements set out for the tasks given to it with the same level of competence and safety as laid down for inspection bodies (see 1.8.6.8) and the inspection body shall monitor it. The inspection body shall inform the competent authority about the above mentioned arrangements.

- 1.8.6.4.2 The inspection body shall take full responsibility for the tasks performed by such entities wherever the tasks are performed by them.
- 1.8.6.4.3 The inspection body shall not delegate the whole task of conformity assessment, periodic inspection or exceptional checks. In any case, the assessment and the issue of certificates shall be carried out by the inspection body itself.
- 1.8.6.4.4 Activities shall not be delegated without the agreement of the applicant.
- 1.8.6.4.5 The inspection body shall keep at the disposal of the competent authority the relevant documents concerning the assessment of the qualifications and the work carried out by the above mentioned entities.

**1.8.6.5 *Information obligations for inspection bodies***

Any inspection body shall inform the competent authority, which had approved it, of the following:

- (a) except when the provisions of 1.8.7.2.4 apply - any refusal, restriction, suspension or withdrawal of type approval certificates;
- (b) any circumstance(s) affecting the scope of and conditions for the approval as granted by the competent authority;
- (c) any request for information on conformity assessment activities performed which they have received from competent authorities monitoring compliance according to 1.8.1 or 1.8.6.6;
- (d) on request, conformity assessment activities performed within the scope of their approval and any other activity performed, including delegation of tasks.

1.8.6.6 *Text of existing 1.8.6.2 with the following modification: replace "1.8.6.4" with "1.8.6.8".*

1.8.6.7 *Text of existing 1.8.6.3 with the following modifications: insert "of the inspection body" after "If the approval" and replace "when the inspection body has ceased" with "if the inspection body ceased activity".*

1.8.6.8 *Text of existing 1.8.6.4 with the following modifications: in (h), insert "and 1.8.8" after "1.8.7". In the paragraph after sub-paragraph (h), insert "6.2.2.9," before "6.2.3.6".*

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/39 and informal document INF.18)*

1.8.7.1.1 In the first sentence, delete "the table in".

Add the following new paragraphs 1.8.7.1.5 and 1.8.7.1.6:

"1.8.7.1.5 Design type approval certificates and certificates of conformity - including the technical documentation - shall be retained by the manufacturer or by the applicant for the type approval, if he is not the manufacturer, and by the inspection body, who issued the certificate, for a period of at least 20 years starting from the last date of production of products of the same type.

1.8.7.1.6 When a manufacturer or owner intends to cease operation, he shall send the documentation to the competent authority. The competent authority shall then retain the documentation for the rest of the period specified in 1.8.7.1.5."

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/39)*

1.8.7.2.4 (as amended in ECE/TRANS/WP.15/AC.1/114/Add.1)

Insert the following new paragraph after "before the expiry or the withdrawal if they may continue to be used.":

"They may continue to be used as long as they remain in conformity with the requirements of RID/ADR. If they are no longer in conformity with the requirements of RID/ADR they may continue to be used only if such use is permitted by relevant transitional measures in Chapter 1.6."

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/33 and informal document INF.55/Add.1)*

1.8.7.5 Number the existing text under the heading as 1.8.7.5.1 and add the following new paragraph 1.8.7.5.2:

"1.8.7.5.2 Reports of periodic inspections and tests of pressure receptacles shall be retained by the applicant at least until the next periodic inspection.

*NOTE: For tanks see provisions for tank records in 4.3.2.1.7."*

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/39 as amended)*

Add the following new section 1.8.8:

## **1.8.8 Procedures for conformity assessment of gas cartridges**

When assessing the conformity of gas cartridges, one of the following procedures shall be applied:

- (a) the procedure in section 1.8.7 for non-UN pressure receptacles, with the exception of 1.8.7.5; or
- (b) the procedure in sub-sections 1.8.8.1 to 1.8.8.7.

### **1.8.8.1**      *General provisions*

- 1.8.8.1.1      The supervision of manufacture shall be carried out by an Xa body and the tests as required in 6.2.6 shall be carried out either by that Xa body or by an IS-body approved by that Xa body; for definition of Xa and IS body see definitions in 6.2.3.6.1. Conformity assessment shall be carried out by the competent authority, its delegate or its approved inspection body of an OTIF Member State/Contracting Party to ADR.
- 1.8.8.1.2      By the application of 1.8.8, the applicant shall demonstrate, ensure and declare on his sole responsibility the conformity of gas cartridges with the provisions of 6.2.6 and all further applicable provisions of RID/ADR.
- 1.8.8.1.3      The applicant shall
  - (a) carry out a design type examination of each type of gas cartridges (including materials to be used and variations of that type, e.g. volumes, pressures, drawings and closing and release devices) according to 1.8.8.2;
  - (b) operate an approved quality system for design, manufacture, inspection and testing according to 1.8.8.3 ;
  - (c) operate an approved testing regime according to 1.8.8.4 for the tests required in 6.2.6;
  - (d) apply for the approval of his quality system for supervision of manufacture and for testing to one Xa body of his choice of the Member State/Contracting Party; if the applicant is not established in a Member State/Contracting Party he shall apply to one Xa body of a Member State/Contracting Party prior to first transport into a Member State/ a Contracting Party;
  - (e) if the gas cartridge is finally assembled from parts manufactured by the applicant by one or more other enterprise(s), he shall provide written instructions how to assemble and fill the gas cartridges to meet the provisions of his type examination certificate.
- 1.8.8.1.4      Where the applicant and enterprises assembling and/or filling gas cartridges according to the instructions of the applicant, can demonstrate to the satisfaction of the Xa body conformity with the provisions of 1.8.7.6 excluding 1.8.7.6.1 (d) and 1.8.7.6.2 (b), they may establish an in-house inspection service which may perform part or all of the inspections and tests specified in 6.2.6.

**1.8.8.2**      *Design type examination*

- 1.8.8.2.1      The applicant shall establish the technical documentation [as specified in 1.8.8.1.3 (a)] for each type of gas cartridges including the technical standard(s) applied. If he chooses to apply a standard not referenced in 6.2.6, he shall add the standard applied to the documentation.
- 1.8.8.2.2      The applicant shall retain the technical documentation together with samples of that type at the disposal of the Xa body during production and afterwards for a period of minimum five years starting from the last date of production of gas cartridges according to that type examination certificate.
- 1.8.8.2.3      The applicant shall after careful examination issue a design type certificate which shall be valid for a maximum period of ten years; he shall add this certificate to the documentation. This certificate authorises him to produce gas cartridges of that type for that period.
- 1.8.8.2.4      If within that period the relevant technical requirements of RID/ADR (including referenced standards) have changed so that the design type is no longer in conformity with them, the applicant shall withdraw his type examination certificate and inform the Xa body.
- 1.8.8.2.5      The applicant may after careful and complete review reissue the certificate for another period of maximum ten years.

**1.8.8.3**      *Supervision of manufacture*

- 1.8.8.3.1      The procedure of design type examination as well as the manufacturing process shall be subject to a survey by the Xa body to ensure the type certified by the applicant and the product as produced are in conformity with the provisions of the design type certificate and the applicable provisions of RID/ADR. If 1.8.8.1.3 (e) applies, the assembling and filling enterprises shall be included in that procedure.
- 1.8.8.3.2      The applicant shall take all the necessary measures to ensure that the manufacturing process complies with the applicable provisions of RID/ADR and of his design type certificate and its annexes. If 1.8.8.1.3 (e) applies, the assembling and filling enterprises shall be included in that procedure.
- 1.8.8.3.3      The Xa body shall:
- (a)    verify the conformity of the design type examination of the applicant and conformity of the type of gas cartridges with the technical documentation specified in 1.8.8.2;
  - (b)    verify that the manufacturing process produces products in conformity with the requirements and the documentation which apply to it; if the gas cartridge is finally assembled from parts manufactured by the applicant by

one or more enterprise(s), the Xa body shall also verify that the gas cartridges are in full conformity with all applicable provisions after final assembly and filling and that the instructions of the applicant are correctly applied;

- (c) verify that the personnel undertaking the permanent joining of parts and the tests are qualified or approved;
- (d) record the results of its surveys.

1.8.8.3.4 If the findings of the Xa body show non-conformity of the design type certificate of the applicant or the manufacturing process, he shall require appropriate corrective measures or withdrawal of the certificate from the applicant.

#### **1.8.8.4**      *Leakproofness test*

1.8.8.4.1 The applicant and enterprises finally assembling and filling gas cartridges according to the instructions of the applicant shall:

- (a) carry out the tests required in 6.2.6;
- (b) record the test results;
- (c) issue a certificate of conformity only for gas cartridges, which are in full compliance with the provisions of his design type examination and the applicable provisions of RID/ADR and have successfully passed the tests as required in 6.2.6;
- (d) retain the documentation as specified in 1.8.8.7 during production and afterwards for a period of minimum five years from the last date of production of gas cartridges belonging to one type approval for inspection by the Xa body at random intervals;
- (e) affix a durable and legible mark identifying the type of gas cartridge, the applicant and the date of production or batch number; where due to limited available space the mark cannot be fully applied to the body of the gas cartridge, he shall affix a durable tag with this information to the gas cartridge or place it together with a gas cartridge in an inner packaging.

1.8.8.4.2 The Xa body shall:

- (a) perform the necessary examinations and tests at random intervals, but at least shortly after starting of manufacture of a type of gas cartridges and thereafter at least once every three years, in order to verify that the procedure for design type examination of the applicant as well as that the manufacture and testing of the product are carried out in accordance with the design type certificate and the relevant provisions;

- (b) check the certificates supplied by the applicant;
- (c) carry out the tests as required in 6.2.6 or approve the program of testing and the in-house inspection service to carry out the tests;

1.8.8.4.3 The certificate shall contain as a minimum:

- (a) the name and address of the applicant and – when these are different – the enterprise(s) carrying out the final assembly in accordance with the written instructions of the applicant;
- (b) a reference to the version of RID/ADR and the standard(s) used for manufacture and tests;
- (c) the result of inspections and tests;
- (d) the data for the marking as required in 1.8.8.4.1 (e).

1.8.8.5 *(Reserved)*

#### **1.8.8.6 *Surveillance of the in-house inspection service***

When the applicant or enterprise assembling and/or filling gas cartridges has established an in-house inspection service, the provisions of 1.8.7.6 excluding 1.8.7.6.1 (d) and 1.8.7.6.2 (b) shall be applied. The enterprise assembling and/or filling gas cartridges shall comply with the provisions relevant to the applicant.

#### **1.8.8.7 *Documents***

The provisions of 1.8.7.7.1, 1.8.7.7.2, 1.8.7.7.3 and 1.8.7.7.5 shall be applied."

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/39 and informal documents INF.18, INF.27 and INF.46)*

## **PART 2**

### **Chapter 2.2**

2.2.9.1.10.5.2 Add the following text at the end: "unless they are classified as not environmentally hazardous according to Regulation 1272/2008/EC\*".

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\* *Regulation 1272/2008/EC of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (Official Journal of the European Communities No. L 353 of 30.12.2008).*

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/41)*

### **PART 3**

#### **Chapter 3.2**

3.2.1 Amend the explanatory notes for column (7a) to read as follows:

"Column (7a) "Limited Quantities"

Provides the maximum quantity per inner packaging or article for carrying dangerous goods as limited quantities in accordance with Chapter 3.4.".

*(Reference document: informal document INF.56A)*

#### **Table A**

In column (7a), add the maximum quantity per inner packaging or article for carrying dangerous goods as limited quantities, as given in Chapter 3.2 of the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, sixteenth revised edition (document ST/SG/AC.10/1/Rev.16).

*(Reference document: informal document INF.56A)*

In column (7a), delete alphanumeric codes LQ wherever they appear.

*(Reference document: informal document INF.56A)*

UN 1748 Delete "589" in column (6) (twice).

UN 2447 In the French text, amend the designation in column (2) to read as follows:  
"PHOSPHORE BLANC FONDU".

*(Reference document: informal document INF.10)*

For UN Nos. 3381, 3383, 3385, 3387 and 3389, replace "L10CH" with "L15CH" in column (12).

*(Reference document: informal document INF.55)*

Add the following new entry:

(1)	(2)	(3a)	(3b)	(4) to (20)
3496	Batteries, nickel-metal hydride	9	M11	NOT SUBJECT TO RID/ADR/ADN

*(Reference document: informal document INF.33 as amended)*

#### **Table B**

In the French text, under the entry "PHOSPHORE JAUNE FONDU", replace "PHOSPHORE JAUNE FONDU" with "phosphore jaune fondu, voir".

*(Reference document: informal document INF.10)*

### Chapter 3.3

#### 3.3.1 SP304 Amend to read as follows:

**"304** This entry may only be used for the transport of non-activated batteries which contain dry potassium hydroxide and which are intended to be activated prior to use by addition of an appropriate amount of water to the individual cells."

*(Reference document: informal document INF.33)*

**SP503** Delete "or yellow".

*(Reference document: informal document INF.10)*

**SP589** Amend to read as follows:

**"589** *(Deleted)*".

**SP593** Replace "P203 (12) with "P203, paragraph (6) for open cryogenic receptacles".

**SP645** Insert a new second sentence to read as follows: "The approval shall be given in writing as a classification approval certificate (see 5.4.1.2.1 (g)) and shall be provided with a unique reference."

*(Reference document: informal document INF.57)*

Add the following new special provision:

**"656** The requirement of the first sentence of special provision 188 (e) does not apply to devices which are intentionally active in transport (radio frequency identification (RFID) transmitters, watches, sensors, etc.) and which are not capable of generating a dangerous evolution of heat.

Notwithstanding special provision 188 (b), batteries manufactured before 1 January 2009 may continue to be carried without the Watt-hour rating on the outside case after 31 December 2010."

*(Reference document: informal document INF.54)*

### Chapter 3.4

Amend Chapter 3.4 to read as follows:

#### **"CHAPTER 3.4**

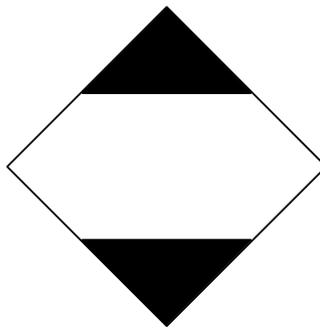
#### **DANGEROUS GOODS PACKED IN LIMITED QUANTITIES**

3.4.1 This Chapter provides the provisions applicable to the transport of dangerous goods of certain classes packed in limited quantities. The applicable quantity limit for the inner packaging or article is specified for each substance in Column (7a) of Table A of Chapter 3.2. In addition, the quantity "0" has been indicated in this column for each entry not permitted to be transported in accordance with this

Chapter. Limited quantities of dangerous goods packed in such limited quantities, meeting the provisions of this Chapter are not subject to any other provisions of RID/ADR/ADN except the relevant provisions of:

- (a) Part 1, Chapters 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 1.9;
- (b) Part 2;
- (c) Part 3, Chapters 3.1, 3.2, 3.3 (except special provisions 61, 178, 181, 220, 274, 313, 625, 633 and 650 (e));
- (d) Part 4, paragraphs 4.1.1.1, 4.1.1.2, 4.1.1.4 to 4.1.1.8;
- (e) Part 5, 5.1.2.1(a) (i) and (b), 5.1.2.2, 5.1.2.3, 5.2.1.9, 5.4.2;
- (f) Part 6, construction requirements of 6.1.4 and paragraphs 6.2.5.1 and 6.2.6.1 to 6.2.6.3;
- (g) Part 7, Chapter 7.1 and 7.2.1, 7.2.2, 7.5.1 (except 7.5.1.4), 7.5.7, 7.5.8, 7.5.9;
- (h) 8.6.3.3;
- [(i) 9.1.1, 9.2.1, 9.4.1].

- 3.4.2 Dangerous goods shall be packed only in inner packagings placed in suitable outer packagings. Intermediate packagings may be used. However, the use of inner packagings is not necessary for the transport of articles such as aerosols or "receptacles, small, containing gas". The total gross mass of the package shall not exceed 30 kg.
- 3.4.3 Shrink-wrapped or stretch-wrapped trays meeting the conditions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 are acceptable as outer packagings for articles or inner packagings containing dangerous goods carried in accordance with this Chapter. Inner packagings that are liable to break or be easily punctured, such as those made of glass, porcelain, stoneware or certain plastics, shall be placed in suitable intermediate packagings meeting the provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8, and be so designed that they meet the construction requirements of 6.1.4. The total gross mass of the package shall not exceed 20 kg.
- 3.4.4 Liquid goods of Class 8, packing group II in glass, porcelain or stoneware inner packagings shall be enclosed in a compatible and rigid intermediate packaging.
- 3.4.5 and 3.4.6 *(Reserved)*
- 3.4.7 Except for air transport, packages containing dangerous goods in limited quantities shall bear the marking shown below.

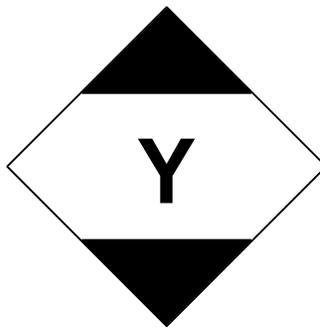


The marking shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness.

The top and bottom portions and the surrounding line shall be black. The centre area shall be white or a suitable contrasting background. The minimum dimensions shall be 100 mm × 100 mm and the minimum width of line forming the diamond shall be 2 mm. If the size of the package so requires, the dimension may be reduced, to be not less than 50 mm × 50 mm provided the marking remains clearly visible.

3.4.8

Packages containing dangerous goods consigned for air transport in conformity with the provisions of Part 3, Chapter 4 of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air shall bear the marking shown below.



The marking shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness. The top and bottom portions and the surrounding line shall be black. The centre area shall be white or a suitable contrasting background. The minimum dimensions shall be 100 mm × 100 mm. The minimum width of line forming diamond shall be 2 mm. The symbol "Y" shall be placed in the centre of the mark and shall be clearly visible. If the size of the package so requires, the dimension may be reduced, to be not less than 50 mm × 50 mm provided the marking remains clearly visible.

3.4.9 Packages containing dangerous goods bearing the marking shown in 3.4.8 shall be deemed to meet the provisions of sections 3.4.1 to 3.4.4 of this Chapter and need not bear the marking shown in 3.4.7.

3.4.10 *(Reserved)*

3.4.11 When packages containing dangerous goods packed in limited quantities are placed in an overpack, the provisions of 5.1.2 shall apply. In addition the overpack shall be marked with the markings required by this chapter unless the markings representative of all dangerous goods in the overpack are visible. The provisions of 5.1.2.1 (a) (ii) and 5.2.1.4 apply only if other dangerous goods which are not packed in limited quantities are contained, and only in relation to these other dangerous goods.

3.4.12 In advance of carriage, consignors of dangerous goods packed in limited quantities shall inform the carrier in a traceable form of the total gross mass of such goods to be consigned.

[(RID:)

*NOTE: If markings according to 3.4.15 are displayed on the wagon or large container, information regarding the total gross mass is not required.*

(ADR:)

*NOTE: If markings according to 3.4.15 are displayed on the transport unit or container, information regarding the total gross mass is not required.*

(ADN:)

*NOTE: If markings according to 3.4.15 are displayed on the transport unit, wagon or container, information regarding the total gross mass is not required.]*

3.4.13 (RID:) (a) Wagons carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 on both sides except when placards are already affixed in accordance with 5.3.1.

(b) Large containers carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 on all four sides except when placards are already affixed in accordance with 5.3.1.

If the marking affixed to the large containers is not visible from outside the carrying wagon, the same marking shall also be affixed to both sides of the wagon.

3.4.13 (ADR:)(a) Transport units with a maximum mass exceeding 12 tonnes carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 at the front and at the rear except when orange-coloured plate marking is displayed in accordance with 5.3.2.

(b) Containers carrying packages with dangerous goods in limited quantities, on transport units with a maximum mass exceeding 12 tonnes, shall be marked

in accordance with 3.4.15 on all four sides except when placards are already affixed in accordance with 5.3.1.

The carrying transport unit need not be marked, except when the marking affixed to the containers is not visible from outside this carrying transport unit. In this latter case, the same marking shall be affixed at the front and at the rear of the transport unit.

- 3.4.13 (ADN:)(a) Transport units with a maximum mass exceeding 12 tonnes carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 at the front and at the rear except when orange-coloured plate marking is displayed in accordance with 5.3.2.
- (b) Wagons carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.15 on both sides except when placards in accordance with section 5.3.1 are already affixed.
- (c) Containers carrying packages with dangerous goods in limited quantities shall be marked in accordance with 3.4.12 on all four sides except
- when placards in accordance with section 5.3.1 are already affixed;
  - for small containers loaded on a wagon;
  - for containers loaded on a transport unit with a maximum mass less than or equal to 12 tonnes.

If the containers are loaded on a transport unit or wagon, the carrying transport unit or wagon need not be marked, except when the marking affixed to the containers is not visible from the outside of this carrying transport unit or wagon. In this latter case, the same marking shall also be affixed at the front and the rear of the carrying transport unit, or on both sides of the carrying wagon.

3.4.14 Markings specified in 3.4.13 may be dispensed with, if the total gross mass of the packages containing dangerous goods packed in limited quantities carried does not exceed 8 tonnes per transport unit.

3.4.15 The marking shall be that required in 3.4.7, except that the minimum dimensions shall be 250 mm × 250 mm.

## **PART 4**

### **Chapter 4.1**

4.1.4.1 **P200** Amend special packing provision v of paragraph (10) to read as follows:

"v: (1) The interval between inspections for steel cylinders, other than refillable welded steel cylinders for UN Nos. 1011, 1075, 1965,

1969 or 1978, may be extended to 15 years:

(a) with the agreement of the competent authority (authorities) of the country (countries) where the periodic inspection and the carriage take place; and

(b) in accordance with the requirements of a technical code or a standard recognised by the competent authority.

(2) For refillable welded steel cylinders for UN Nos. 1011, 1075, 1965, 1969 or 1978, the interval may be extended to 15 years, if the provisions of paragraph (12) of this packing instruction are applied."

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/22 and informal document INF.43)*

Insert a new paragraph (12) to read as follows:

"(12) An interval of 15 years for the periodic inspection of refillable welded steel cylinders may be granted in accordance with special packing provision v (2) of paragraph (10), if the following provisions are applied.

### **1. General provisions**

1.1 For the application of this section, the competent authority shall not delegate its tasks and duties to Xb bodies (inspection bodies of type B) or IS bodies (in-house inspection services).

1.2 The owner of the cylinders shall apply to the competent authority for granting the 15 year interval, and shall demonstrate that the requirements of sub paragraphs 2, 3 and 4 are met.

1.3 Cylinders manufactured since 1 January 1999 shall have been manufactured in conformity with the following standards:

- EN 1442; or

- EN 13322-1; or

- Annex I, parts 1 to 3 to Council Directive 84/527/EEC\*  
as applicable according to the table in 6.2.4 of RID/ADR.

Other cylinders manufactured before 1 January 2009 in conformity with RID/ADR in accordance with a technical code accepted by the national competent authority may be accepted for a 15 year interval, if they are of equivalent safety to the provisions of RID/ADR as

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\* *Council directive on the approximation of the laws of the Member States relating to welded unalloyed steel gas cylinders, published in the Official Journal of the European Communities No. L 300 from 19.11.1984.*

applicable at the time of application.

- 1.4 The owner shall submit documentary evidence to the competent authority demonstrating that the cylinders comply with the provisions of sub paragraph 1.3. The competent authority shall verify that these conditions are met.
- 1.5 The competent authority shall check whether the provisions of sub paragraphs 2 and 3 are fulfilled and correctly applied. If all provisions are fulfilled, it shall authorise the 15-year interval for the cylinders. In this authorisation, the type of cylinder (as specified in the type approval) or a group of cylinders (see Note) covered shall be clearly identified. The authorisation shall be delivered to the owner; the competent authority shall keep a copy. The owner shall keep the documents for as long as the cylinders are authorised for a 15 year interval.

***NOTE:** A group of cylinders is defined by the production dates of identical cylinders for a period, during which the applicable provisions of RID/ADR and of the technical code accepted by the competent authority have not changed in their technical content. Example: Cylinders of identical design and volume having been manufactured according to the provisions of RID/ADR as applicable between 1 January 1985 and 31 December 1988 in combination with a technical code accepted by the competent authority applicable for the same period, form one group in terms of the provisions of this paragraph.*

- 1.6 The competent authority shall monitor the owner of the cylinders for compliance with the provisions of RID/ADR and the authorisation given as appropriate, but at least every three years or when changes to the procedures are introduced.

## **2. Operational provisions**

- 2.1 Cylinders having been granted a 15 year interval for periodic inspection shall only be filled in filling centres applying a documented quality system to ensure that all the provisions of paragraph (7) of this packing instruction and the requirements and responsibilities of EN 1439:2008 are fulfilled and correctly applied.
- 2.2 The competent authority shall verify that these requirements are fulfilled and check this as appropriate, but at least every three years or when changes to the procedures are introduced.
- 2.3 The owner shall provide documentary evidence to the competent authority that the filling centre complies with the provisions of sub

paragraph 2.1.

- 2.4 If a filling centre is situated in a different OTIF Member State/Contracting Party to ADR, the owner shall provide additional documentary evidence that the filling centre is monitored accordingly by the competent authority of that OTIF Member State/Contracting Party to ADR.
- 2.5 To prevent internal corrosion, only gases of high quality with very low potential contamination shall be filled into the cylinders. This is deemed to be fulfilled, if the gases conform to the corrosion contaminates level of EN 1440:2008, annex E.1, letter b.

### **3. Provisions for qualification and periodic inspection**

- 3.1 Cylinders of a type or group already in use, for which a 15 year interval has been granted and to which the 15 year interval has been applied, shall be subject to a periodic inspection according to 6.2.3.5.

*NOTE: For the definition of a group of cylinders, see Note to sub-paragraph 1.5.*

- 3.2 If a cylinder with a 15-year interval fails the hydraulic pressure test during a periodic inspection e.g. by bursting or leakage, the owner shall investigate and produce a report on the cause of the failure and if other cylinders (e.g. of the same type or group) are affected. In the latter case, the owner shall inform the competent authority. The competent authority shall then decide on appropriate measures and inform the competent authorities of all other OTIF Member States/Contracting Parties to ADR accordingly.
- 3.3 If internal corrosion as defined in the standard applied (see sub paragraph 1.3) has been detected, the cylinder shall be withdrawn from use and shall not be granted any further period for filling and carriage.
- 3.4 Cylinders having been granted a 15 year interval shall only be fitted with valves designed and manufactured for a minimum 15 year period of use according to EN 13152:2001 + A1:2003 or EN 13153:2001 + A1:2003. After a periodic inspection, a new valve shall be fitted to the cylinder, except that manually operated valves, which have been refurbished or inspected according to EN 14912:2005 may be re-fitted, if they are suitable for another 15 year period of use. Refurbishment or inspection shall only be carried out by the manufacturer of the valves or according to his technical instruction by an enterprise qualified for such work and operating under a documented quality system.

#### 4. Marking

Cylinders having been granted a 15 year interval for periodic inspection in accordance with this paragraph shall additionally be marked clearly and legibly with "P15Y". This marking shall be removed if the cylinder is no longer authorised for a 15 year interval.

*NOTE: This marking shall not apply to cylinders subject to the transitional provision in 1.6.2.9, 1.6.2.10 or the provisions of special packing provision v (1) of paragraph (10) of this packing instruction."*

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/22 and informal document INF.43)*

Insert the following new paragraph 4.1.6.14:

"4.1.6.14 Owners shall, on the basis of a reasoned request from the competent authority, provide it with all the information necessary to demonstrate the conformity of the pressure receptacle in a language easily understood by the competent authority. They shall cooperate with that authority, at its request, on any action taken to eliminate non-conformity of the pressure receptacles which they own."

Renumber existing 4.1.6.14 as 4.1.6.15.

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/39 as amended)*

#### Chapter 4.3

4.3.4.1.3 (b) In the designation for UN 2447, delete "or yellow".

*(Reference document: informal document INF.10)*

#### PART 5

#### Chapter 5.3

5.3.2.3.2 Insert the following new line after the line for code 668:

"X668 highly toxic substance, corrosive, which reacts dangerously with water<sup>1</sup>".

#### Chapter 5.4

5.4.1.1.3 In the first paragraph, delete "the UN number and".

(RID:) In the first paragraph, amend the four examples to read as follows:

- "UN 1230 WASTE METHANOL, 3 (6.1), II" or
- "UN 1230 WASTE METHANOL, 3 (6.1), PG II" or
- "UN 1993 WASTE FLAMMABLE LIQUID, N.O.S. (toluene and ethyl alcohol), 3, II" or

- "UN 1993 WASTE FLAMMABLE LIQUID, N.O.S. (toluene and ethyl alcohol), 3, PG II".

Delete the second paragraph including the two examples.

(ADR:) In the first paragraph, amend the four examples to read as follows:

""UN 1230 WASTE METHANOL, 3 (6.1), II, (D/E)", or

"UN 1230 WASTE METHANOL, 3 (6.1), PG II, (D/E)", or

"UN 1993 WASTE FLAMMABLE LIQUID, N.O.S. (toluene and ethyl alcohol), 3, II, (D/E)", or

"UN 1993 WASTE FLAMMABLE LIQUID, N.O.S. (toluene and ethyl alcohol), 3, PG II, (D/E)".

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/19)*

5.4.1.1.18 Add a new paragraph to read as follows:

"5.4.1.1.18 *Special provisions for carriage of environmentally hazardous substances (aquatic environment)*

When a substance belonging to one of classes 1 to 9 meets the classification criteria of 2.2.9.1.10, the transport document shall bear the additional inscription "ENVIRONMENTALLY HAZARDOUS". This additional requirement does not apply to UN Nos. 3077 and 3082 or for the exceptions listed in 5.2.1.8.1.

The inscription "MARINE POLLUTANT" (according to chapter 5.4.1.4.3 of the IMDG Code) instead of "ENVIRONMENTALLY HAZARDOUS" is acceptable for carriage in a transport chain including maritime carriage."

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/21 as amended)*

5.4.1.2.1 Amend sup-paragraph (g) to read as follows:

"(g) When fireworks of UN Nos. 0333, 0334, 0335, 0336 and 0337 are carried, the transport document shall bear the inscription:

"Classification of fireworks by the competent authority of XX with the firework reference XX/YYZZZZ".

The classification approval certificate need not be carried with the consignment, but shall be made available by the consignor to the carrier or the competent authorities for control purposes. The classification approval certificate or a copy of it shall be in an official language of the forwarding country, and also, if that language is not German, English, French or Italian/ German, English or French, in German, English, French or Italian/in German, English or French."

Renumber the existing Note as Note 1.

Add a new Note 2 to read as follows:

*"NOTE 2: The classification reference(s) shall consist of the OTIF Member State/ADR/ADN Contracting Party in which the classification code according to special provision 645 of 3.3.1 was approved, indicated by the distinguishing sign for motor vehicles in international traffic (XX)\*, the competent authority identification (YY) and a unique serial reference (ZZZZ). Examples of such classification references are:*

*GB/HSE123456  
D/BAM1234".*

*(Reference document: informal document INF.57 as amended)*

5.4.2 Amend the heading to read as follows:

**"5.4.2 Large container or vehicle/wagon packing certificate".**

*(Reference document: informal document INF.53)*

## **PART 6**

### **Chapter 6.2**

6.2.2.9 and 6.2.3.6.1 Replace "1.8.6.4" with "1.8.6.2, 1.8.6.4, 1.8.6.5 and 1.8.6.8" (thrice).

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/39)*

6.2.3.5.2 Amend to read as follows:

"6.2.3.5.2 *(Deleted)*".

### **Chapter 6.4**

6.4.22.6 (a) In the first sentence, insert "design" after "package".

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/12)*

### **Chapter 6.8**

(ADR only:)

6.8.2.1.20 (b) 4. In the last sentence of the first paragraph, replace "the outside of the shell" with "the shell".

6.8.2.2.3 Amend the second paragraph to read as follows:

"Vacuum valves (RID: and self-operating ventilation valves) and venting systems (see 6.8.2.2.6) used on tanks intended for the carriage of substances meeting the

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\* *Distinguishing sign for motor vehicles in international traffic prescribed in Vienna Convention on Road Traffic (1968).*

flash-point criteria of Class 3, shall prevent the immediate passage of flame into the tank by means of a suitable device to prevent the propagation of a flame, or the shell of the tank shall be capable of withstanding, without leakage, an explosion resulting from the passage of the flame."

Insert the following new last paragraph:

"If the protection consists of a suitable flame trap or flame arrester, it shall be positioned as close as possible to the shell or the shell compartment. For multi-compartment tanks, each compartment shall be protected separately."

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/10 and informal document INF.55)*

6.8.2.3.3 (as amended in ECE/TRANS/WP.15/AC.1/114/Add.1)

Insert the following new paragraph after "before the expiry or the withdrawal if they may continue to be used.":

"They may continue to be used as long as they remain in conformity with the requirements of RID/ADR. If they are no longer in conformity with the requirements of RID/ADR they may continue to be used only if such use is permitted by relevant transitional measures in Chapter 1.6."

*(Reference documents: ECE/TRANS/WP.15/AC.1/2009/33 and informal document INF.55/Add.1)*

6.8.2.5.1 In the seventh indent, insert "of more than 7 500 litres" after "when the shells or the compartments".

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/50)*

6.8.4 (c) **TA4** Replace "1.8.6.4" with "1.8.6.2, 1.8.6.4, 1.8.6.5 and 1.8.6.8".

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/39)*

6.8.4 (d) **TT8** In the first paragraph, replace "approved for the carriage of UN 1005 AMMONIA, ANHYDROUS" with "on which the proper shipping name required for the entry UN 1005 AMMONIA, ANHYDROUS is marked in accordance with 6.8.3.5.1 to 6.8.3.5.3".

Add the following new third paragraph:

"If the marking of the substance on the tank and/or tank plate is removed, a magnetic particle inspection shall be carried out and these actions recorded in the inspection certificate attached to the tank record."

*(Reference document: informal document INF.55 as amended)*

**TT9** Replace "1.8.6.4" with "1.8.6.2, 1.8.6.4, 1.8.6.5 and 1.8.6.8".

*(Reference document: ECE/TRANS/WP.15/AC.1/2009/39)*

## **PART 7**

## Chapter 7.2

7.2.4 In "V12"/"W12", insert "(31HA2, 31HB2, 31HN2, 31HD2 and 31HH2)" after "31HZ2".

(Reference document: informal document INF.11)

## Modifications to document ECE/TRANS/WP.15/AC.1/114/Add.1

### PART 6

#### Chapter 6.2

6.2.4.1 In the Table, under "*for design and construction*", amend column (5) as follows:  
For EN 1442:1998 + AC:1999, delete the square brackets.  
For EN 1442:1998 + A2:2005, EN 1800:1998 + AC:1999, EN 1975:1999 (except Annex 6), EN 13322-1:2003, EN 13322-2:2003, EN 14427:2004, EN 14140:2003 and EN 13769:2003, delete the text between square brackets.

For EN 1975:1999 (except Annex 6), replace "Annex 6" with "Annex G".

In the Table, under "*for closures*", amend column (5) as follows:

For EN 849:1996 (except Annex A), EN 849:1996 + A2:2001, EN 13152:2001 and EN 13153:2001, delete the text between square brackets.

(Reference document: informal document INF.41)

#### Chapter 6.8

6.8.2.6.1 In the Table, under "*for all tanks*", for EN 14025:2003 + AC:2005, delete the text between square brackets in column (5). Under "*For tanks with a maximum working pressure not exceeding 50 kPa and intended for the carriage of substances for which a tank code with the letter "G" is given in column (12) of Table A of Chapter 3.2*", for EN 13094:2004, delete the text between square brackets in column (5). Replace "EN 13094:2008" with "EN 13094:2008 + AC:2008".

(ADR only:)

In the Table, under "For tanks for gases of Class 2", amend column (5) as follows:  
For EN 12493:2001 (except Annex C) and EN 12252:2000, delete the square brackets. For EN 13530-2:2002, delete the text between square brackets.

In the Table, under "*For tanks intended for the carriage of liquid petroleum products and other dangerous substances of Class 3 which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no toxic or corrosive subsidiary hazard*", for EN 13094:2004, delete the text between square brackets in column (5). Replace "EN 13094:2008" with "EN 13094:2008 + AC:2008".

(ADR only:) Delete the row for "EN 13317:2002" (first entry).

(ADR only:) For EN 13317:2002 (except for the figure and table B.2 in Annex B) (The material shall meet the requirements of standard EN 13094:2004, Clause 5.2), replace "2007" with "2005" in column (4), and delete the square brackets in column (5).

(Reference document: informal document INF.41)

**Document ECE/TRANS/WP.15/AC.1/2009/16/Add.1** adopted with the following modifications:

The amendment to 1.4.2.2.1 (b) for ADR also applies to ADN with the following modification: replace "on board the transport unit" with "on board the vessel".

In the amendments to Chapter 1.4, both for RID and for ADR/ADN, delete the square brackets, insert "prescribed in RID/ADR/ADN" after "Ascertain that all information" and replace "may be made available" with "is available".

(Reference document: informal document INF.53)

- 1.7.1.1 Delete the sentence into brackets at the end.
- 1.10.2.3 At the end, replace "retraining" with "refresher training".
- 2.1.1.1 Delete the amendment into brackets.
- 2.1.2.3 Delete the brackets.
- 2.2.9 Delete the amendment to 2.2.9 into brackets and its consequential amendments.
- 2.3.3.1 Delete the square brackets and modify the amendment for 2.3.3.1.2 to 2.3.3.1.5 to read as follows:
  - "2.3.3.1.2 *Existing text of 2.3.3.1.2 with the following modification:* amend sub-paragraph (d) to read as follows:  
"(d) International Standards EN ISO 13736 and EN ISO 2719, Method B."
  - 2.3.3.1.3 *Existing text of 2.3.3.1.6 with the following modifications:* amend the first sentence to read "The standards listed in 2.3.3.1.1 shall only be used for flash-point ranges which are specified therein.". In the second sentence, replace "the method" with "the standard".
  - 2.3.3.1.4 *Existing text of 2.3.3.1.7 with the following modification:* delete "in accordance with 2.3.3.1.5" and "in accordance with 2.3.3.1.4".
  - 2.3.3.1.5 *Existing text of 2.3.3.1.8.*
- 2.3.3.2 Under international standards, put the standard ISO 3924 into square brackets.

In the consequential amendment, delete the square brackets and insert "or ISO 3405" after "'ASTM D86-07a". After the consequential amendment, add "[or delete SP649]".

### **Chapter 3.2, Table A**

UN 1510 In the amendment for column (20), delete the square brackets.

UN 1810, UN 1834 and UN 1838 In the amendment for column (20), delete the square brackets and replace "668" with "X668".

UN 1810, UN 1838, UN 2474 and UN 2668 In the amendment for column (7a), replace "LQ0" with "0".

Delete the amendment in square brackets for UN 2208.

In the amendment for UN Nos. 1251 and 1580, delete the square brackets.  
(*Reference document: informal document INF.55*)

Modify the amendment related to "V12"/"W12" to read as follows:  
"In column (16), delete "V12"/"W12" wherever it appears and insert it for all entries for which the code IBC100 is allocated in column (8) and for all entries of Packing Group III for which the code IBC03 is allocated in column (8)."  
(*Reference document: informal document INF.11*)

In the new entries, for UN Nos. 0509, 3482, 3483, 3484, 3488, 3489, 3490, 3491, 3492, 3493 and 3494 PGI, replace "LQ0" with "0" in column (7a).

In the new entries, for UN 1471, delete "or SGAN" in column (12).  
(*Reference document: informal document INF.55*)

In the new entries, for UN Nos. 1471, 3486 and 3487 PGIII, replace "LQ12" with "5 kg" in column (7a).

In the new entries, for UN Nos. 3485 and 3486, delete "[589]" in column (6).

In the new entries, for UN Nos. 3485 and 3487 PGII, replace "LQ11" with "1 kg" in column (7a).

In the new entries, for UN Nos. 3485 and 3487, delete "V12"/"W12" in column (16).  
(*Reference document: informal document INF.11*)

In the new entries, for UN 3487, Packing Group III, replace "SGAV" with "SGAN" in column (12).  
(*Reference document: informal document INF.55*)

In the new entries, for UN Nos. 3488, 3490 and 3492, replace "L10CH" with "L15CH" in column (12).

(Reference document: informal document INF.55)

In the new entries, for UN No. 3494 PGII, replace "LQ4" with "1 l" in column (7a).

In the new entries, for UN No. 3494 PGIII, replace "LQ7" with "5 l" in column (7a).

In the new entries, for UN No. 3495, replace "LQ24" with "5 kg" in column (7a).

3.3.1 **SP356** Replace "[competent authority]" with "competent authority of the country of manufacture\*" (three times).

4.1.4.1 **P200** (10) In the first sentence, delete the square brackets.

**P203** Under requirements for closed cryogenic receptacles, delete paragraph (8) in square brackets.

4.1.6.10 Delete all amendments in square brackets including the consequential amendment.

5.1.5.4.2 Insert "and the name and address of the consignor and the consignee" before "shall be shown".

5.2.2.2.2 Delete the amendment into square brackets.

Modify the amendments to 5.4.0 and following Note(s) to read as follows:

"5.4.0 Amend to read as follows:

**"5.4.0 General**

5.4.0.1 Unless otherwise specified, any carriage of goods governed by RID/ADR/ADN shall be accompanied by the documentation prescribed in this Chapter, as appropriate.

5.4.0.2 The use of electronic data processing (EDP) or electronic data interchange (EDI) techniques as an aid to or instead of paper documentation is permitted, provided that the procedures used for the capture, storage and processing of electronics data meet the legal requirements as regards the evidential value and availability of data during transport in a manner at least equivalent to that of paper documentation.

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\* *If the country of manufacture is not a COTIF Member State/Contracting Party to ADR, the approval shall be recognized by the competent authority of a COTIF Member State/Contracting Party to ADR.*

5.4.0.3 When the dangerous goods transport information is given to the carrier by EDP or EDI techniques, the consignor shall be able to give the information to the carrier as a paper document, with the information in the sequence required by this Chapter."

(ADR/ADN:) Existing Note 1 after 5.4.0 remains and should be placed after 5.4.0.1."  
(*Reference document: informal document INF.53*)

(RID:)

5.4.1.1.6.1 Modify the amendment to read as follows:

"5.4.1.1.6.1 At the end, replace "proper shipping name required in 5.4.1.1.1 (b)" with "dangerous goods description specified in 5.4.1.1.1 (j) and (a) to (d)"."

(ADR:)

5.4.1.1.6.1 Modify the amendment to read as follows:

"5.4.1.1.6.1 At the end, replace "proper shipping name required in 5.4.1.1.1 (b)" with "dangerous goods description specified in 5.4.1.1.1 (a) to (d) and (k)"."

(ADN:)

5.4.1.1.6.1 Modify the amendment to read as follows:

"5.4.1.1.6.1 At the end, replace "proper shipping name required in 5.4.1.1.1 (b)" with "dangerous goods description specified in 5.4.1.1.1 (a) to (d)"."

5.4.1.4.3 Delete the amendment.

## **Chapter 7.2**

Delete the amendment to Chapter 7.2, Section 7.2.4.  
(*Reference document: informal document INF.11*)

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