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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

15 March 2016

Bern, 14-18 March 2016

Item 3 of the provisional agenda

##### Standards

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### Report of the Standards Working Group (24<sup>th</sup> meeting)

1. Reference is made to document ECE/TRANS/WP.15/AC.1/2016/5, which informs about the progress made in the establishment of new and the revision of published EN and EN ISO standards referenced or intended to be referenced in the RID/ADR/ADN.
2. A series of teleconferences took place on the 8<sup>th</sup> and 10<sup>th</sup> of February to review the comments made by Member States and by the CEN Consultant. Comments from MS were compiled by CCMC (see INF.30). Unresolved issues were discussed within the Joint Meeting Working Group Standard (14 – 18 March 2016).
3. Other papers assigned to the standard working group were:
  - a) ECE/TRANS/WP.15/AC.1/2016/ 1 (Germany).
  - b) ECE/TRANS/WP.15/AC.1/2016/INF. 47 (Austria).

#### 4. Results

4.1 The agreed comments of the discussion on the coherence of the standards at enquiry and formal vote stage and one published standard with relevant provisions of RID/ADR/ADN are summarized in **INF.58** which will also be provided to the relevant Technical Committees of CEN for consideration.

4.2 a) ECE/TRANS/WP.15/AC.1/2016/1 (Germany)

ISO standard 9001:2008 is referred to in RID/ADR , 1.1.3.10 (b) (i), Note and 3.3.1, special provision 373 (a) (iii), Note. Both of these texts originate from the UN SCE-TDG so if the date is changed in RID/ADR, there will be conflict with the UN Model Regulation. However, the Standards WG recommend that RID/ADR should delete the date 2008 without inserting 2015. Organizations who use ISO 9001 are required by their inspection body to use the latest version. There is therefore no need to specify the date in RID/ADR. Also, the use of the standard is optional and other routes may be used.

b) EN 60079 series – General purpose standard

As the references to all parts of the general purpose standards of the EN 60079 series are not dated, the recent publication of EN 60079-7:2015 ‘Explosive atmospheres - Part 7: Equipment protection by increased safety "e"’ is not affecting the RID/ADR.

c) ECE/TRANS/WP.15/AC.1/2016/[INF 47](#) (Austria)

The Standard WG identified that the standards referred to by Austria in their document had not been encoded as general purpose standards in the CEN-CENELEC database and CEN will correct this for the future.

OTIF and UN secretariat are encouraged to contact CEN when referring to new standards in the regulations in order to ensure obtaining the correct references and also to update the CEN database. The correct standards references are listed in proposal 9. The Standards WG cannot comment on the suitability of these standards for use in the RID and experts from the Member States of RID should make that technical decision.

In the following proposals, new text is shown in **Bold**.

**Proposal 1** For ADR/RID in 6.8.2.6.1:

Reference	Title of document	Applicable sub-sections and paragraphs	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
(1)	(2)	(3)	(4)	(5)
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	<b>Between 1 January 2015 and 31 December 2018</b>	
<b>EN 14025:2013+ A1 [2016] (except Annex B)</b>	<b>Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction</b>	<b>6.8.2.1 and 6.8.3.1</b>	<b>Until further notice</b>	

In 6.8.4 TT11, replace EN 14025:2013 with **EN 14025:2013 + A1 [2016]**

## **Part 6, Chapter 6.2**

### **Proposal 2**

In RID/ADR, 6.2.4.1 add, in the Table, under “Pressure Receptacles” the following new references:

Reference	Title of document	Applicable sub-sections and paragraphs	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
(1)	(2)	(3)	(4)	(5)
EN 12205:2001	Transportable gas cylinders - Non-refillable metallic gas cylinders	6.2.3.1 and 6.2.3.4	<b>Between 1 January 2005 and 31 December 2017</b>	<b>31 December 2018</b>
<b>EN ISO 11118:2015</b>	<b>Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods</b>	<b>6.2.3.1, 6.2.3.3 and 6.2.3.4</b>	<b>Until further notice</b>	
<i>for closures</i>				
EN ISO 13340:2001	Transportable gas cylinders - Cylinder valves for non-refillable cylinders - Specification and prototype testing	6.2.3.1 and 6.2.3.3	<b>Between 1 January 2011 and 31 December 2017</b>	<b>31 December 2018</b>

### Proposal 3

In RID/ADR, 6.2.4.2, add the new text shown in bold in the Table:

Reference	Title of document	Applicable
EN 1440:2008 + A1:2012 (except Annex G and H)	LPG equipment and accessories - Periodic inspection of transportable refillable LPG cylinders	<b>Until 31 December 2018</b>
<b>EN 1440:2016 (except Annex C)</b>	<b>LPG equipment and accessories - Transportable refillable traditional welded and brazed steel Liquefied Petroleum Gas (LPG) cylinders - Periodic inspection</b>	<b>Mandatorily from 1 January 2019</b>
<b>EN 16728:2016 (except clause 3.5, Annex F and Annex G)</b>	<b>LPG equipment and accessories - Transportable refillable LPG cylinders other than traditional welded and brazed steel cylinders - Periodic inspection</b>	<b>Mandatorily from 1 January 2019</b>
EN ISO 11623:2002 except clause 4	Transportable gas cylinders - Periodic inspection and testing of composite gas cylinders	<b>Until 31 December 2018</b>
<b>EN ISO 11623:2015</b>	<b>Gas cylinders - Composite construction - Periodic inspection and testing</b>	<b>Mandatorily from 1 January 2019</b>

Editorial remark: the entire row containing EN 12863:2002 + A1:2005 should be deleted and column 3 of the entry for EN ISO 10462:2013 should be changed to 'Until further notice'.

### Proposal 4

At the end of 6.2.2 it is proposed, to number the existing NOTE to become NOTE 1, and to add a new NOTE as follows:

*'NOTE 2: When EN ISO versions of the following ISO standards are available, they may be used to fulfil the requirements of sub-sections 6.2.2.1, 6.2.2.2, 6.2.2.3 and 6.2.2.4.'*

In 6.2.2.3, the NOTE in the entry for ISO 10297:2006 concerning the EN version of this standard shall be deleted.

### Proposal 5

In ADR only in 6.8.2.6.1 add, in the Table the following new references:

Reference	Title of document	Applicable sub-sections and paragraphs	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
(1)	(2)	(3)	(4)	(5)
EN 14595:2005	Tanks for transport of dangerous goods - Service equipment for tanks - Pressure and Vacuum Breather Vent	6.8.2.2. and 6.8.2.4.1	<b>Between 1 January 2007 and 31 December 2018</b>	
<b>EN 14595:[2016]</b>	<b>Tanks for transport of dangerous goods - Service equipment - Breather device</b>	<b>6.8.2.2. and 6.8.2.4.1</b>	<b>Until further notice</b>	

**Proposal 6 – Corrigendum for EN 12493**

For ADR only in 6.8.2.6.1:

EN 12493:2013+A1:2014/AC:2015 ‘LPG equipment and accessories - Welded steel pressure vessels for LPG road tankers - Design and manufacture’ has been adopted already, but without AC: 2015.

Therefore in the table in 6.8.2.6.1 and in 6.8.4 TT 11 replace ‘EN 12493:2013 + A1:2014’ with ‘EN 12493:2013 + A1:2014 + AC 2015’

Reference	Title of document	Applicable sub-sections and paragraphs	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
(1)	(2)	(3)	(4)	(5)
EN 12493:2013 (except Annex C)	LPG equipment and accessories – Welded steel tanks for liquefied petroleum gas (LPG) – Road tankers – Design and manufacture  <i>Note: Road tanker is to be understood in the meaning of ‘fixed tanks’ and ‘demountable tanks’ as per ADR.</i>	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	Between 1 January 2015 and 31 December 2017	31 December 2018
EN 12493:2013 + A1:2014+ <b>AC 2015</b> (except Annex C)	LPG equipment and accessories – Welded steel tanks for liquefied petroleum gas (LPG) – Road tankers – Design and manufacture  <i>Note: Road tanker is to be understood in the meaning of ‘fixed tanks’ and ‘demountable tanks’ as per ADR.</i>	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	

**Proposal 7 Corrigendum and exception for EN 14140**

For EN 14140:2014 (adopted in March 2014) a corrigendum has been published in 2015 so that the reference in 6.2.4.1 should be changed to “EN 14140:2014/AC:2015”. This standard was proposed on the basis that on going work on the recognition of over-moulded cylinders in RID/ADR would be completed this biennium. This has not happened so an exception is needed in Column 1. The Standards Working Group therefore proposes that Column 1 should be amended to “EN 14140:2014/AC:2015 (except over-moulded cylinders)”.

**Proposal 8**

In 6.2.3.5.1 number the existing NOTE to be NOTE 1.

Insert a new NOTE as follows:

*‘NOTE 2: For seamless steel cylinders and tubes the check of 6.2.1.6.1 (b) and hydraulic pressure test of 6.2.1.6.1 (d) may be replaced by a procedure conforming to EN ISO 16148: [2016] ‘Gas cylinders - Refillable seamless steel gas cylinders and tubes - Acoustic emission examination (AT) and follow-up ultrasonic examination (UT) for periodic inspection and testing’.*

*‘NOTE 3: The check of 6.2.1.6.1 (b) and the hydraulic pressure test of 6.2.1.6.1 (d) may be replaced by ultrasonic examination carried out in accordance with EN 1802:2002 for seamless aluminium alloy gas cylinders and in accordance with EN 1968:2002 + A1:2005 for seamless steel gas cylinders.’*

## **Proposal 9 – References in RID**

In 6.8.2.1.29, footnote 6 the standard EN 15273-2:2009 Railway applications – gauges-Part 2: Rolling stock gauge is cited. This standard may be replaced by:

### **EN 15273-2:2013 Railway applications — Gauges — Part 2: Rolling stock gauge**

In 6.8.4, TE 22 and TE 25 standard EN 15551 Railway applications – Railway rolling stock is cited. This standard may be replaced by:

### **EN 15551:2009 + A1:2010 Railway applications – Railway rolling stock - Buffers**

## **5. General remarks**

### **5.1 Standards for which a reference was refused or deferred:**

It was decided not to refer to the standard

FprEN ISO 21029-2:2015 ‘Cryogenic vessels - Transportable vacuum insulated vessels of not more than 1 000 litres volume - Part 2: Operational requirements’

as it was considered that the requirements given in the standard for periodic inspection and testing simply repeated the regulation and included a contradiction of RID/ADR. This standard supersedes EN 1251-3:2000 which should remain as a reference pending future evaluation by the WG.

The following standards are not recommended for reference as they are support standards, i.e. they are not directly supporting requirements of RID/ADR:

FprEN ISO 10286 ‘Gas cylinders – Terminology’

FprEN ISO 21013-3 rev ‘Cryogenic vessels - Pressure-relief accessories for cryogenic service - Part 3: Sizing and capacity determination’

The following standards were not recommended since there are no relevant requirements in RID/ADR:

FprEN ISO/FDIS 24490 ‘Cryogenic vessels - Pumps for cryogenic service’

FprEN ISO 13341 ‘Gas cylinders - Fitting of valves to gas cylinders’

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