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**Economic Commission for Europe****Inland Transport Committee****Working Party on the Transport of Dangerous Goods**

20 March 2013

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

Bern, 18–22 March 2013

Item 3 of the provisional agenda

**Standards****Report of the Standards Working Group  
(20<sup>th</sup> meeting)**

1. The Standards Working Group (STD's WG) met outside the plenary sessions of the Joint Meeting under the chairmanship of Mr. Karol Wieser. It was tasked by the Plenary Meeting to consider:
  - 1.1. **ECE/TRANS/WP.15/AC.1/2013/9** (CEN), **INF.15 rev.1** (CEN) and **INF.16** (CEN) - Corrections and consequential amendments of references to EN standards.
  - 1.2. **ECE/TRANS/WP.15/AC.1/2013/10** (CEN) - Information on work in progress in CEN -, Part II together with **INF. 32** with the consolidated comments submitted by Members of the Joint Meeting.
  - 1.3. **ECE/TRANS/WP.15/AC.1/2013/14** (CEN) and **INF.5** (CEN) - Update of references to general purpose standards
2. In addition the Working Group considered
  - 2.1. The status of reaction of CEN/TC's on **INF. 25** (Belgium) of September 2012 - Problems encountered in standards listed in ADR/RID/ADN.
  - 2.2. The form of compulsory references to standards, **INF.18** (Germany).
  - 2.3. Presentation and discussion of the concept of "protected over-moulded cylinders", related to **ECE/TRANS/WP.15/AC.1/2013/16** (AEGPL) and **INF.39** (AEGPL).

**3. Results:**

- 3.1. Corrections and consequential amendments of references to EN standards** as suggested in ECE/TRANS/WP.15/AC.1/2013/9 (CEN), INF.15 rev.1 (CEN) and INF.16 (CEN)

The Working Group considered the proposed corrections and amendments with the given reasoning and justification and agreed to submit the following proposals:

**Proposal 1**

Delete the restriction "except clause 9" in the first column of the entry to EN 13110:2012 in the table in subsection 6.2.4.1.

**Proposal 2**

Amend the entry "EN 13082:2008 + A1:2011" in RID/ADR 6.8.2.6.1, table, to read "EN 13082:2008 + A1:2012".

**Proposal 3**

Amend the entry "EN 14638-3:2010/AC" in RID/ADR 6.2.4.1, table, to read "EN 14638-3:2010 ± AC:2012".

#### **Proposal 4**

Amend the reference to “EN ISO 11372:2011 Gas cylinders – Acetylene cylinders – Filling conditions and filling inspection (ISO 11372:2010)” in RID/ADR 4.1.4.1, P200(11) to read “EN ISO 11372:2011 Gas cylinders – Acetylene cylinders – Filling conditions and filling inspection (ISO 11372:2011)”.

Proposals 2, 3 and 4 are considered to be corrections of an editorial nature which should be considered for a corrigendum or amendment to RID/ADR 2013.

#### **Proposal 5**

Amend the text of RID/ADR subsection 4.1.4.1, P200 (12), 3.4 as follows:

*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, EN ISO 14245:2010 or EN ISO 15995:2010. After a periodic inspection, ....*

#### **Proposal 6**

Amend the text of RID/ADR subsection 4.1.6.15 as follows:

4.1.6.15 In the Table, **add** after the entries EN 13152:2001 + A1:2003 and EN 13153:2001 + A1:2003 the following new references:

**“EN ISO 14245:2010 Gas cylinders – Specifications and testing of LPG cylinder valves – Self closing (ISO 14245:2006)”** and

**“EN ISO 15995:2010 Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated (ISO 15995:2006)”**.

#### **3.2. Update of references to general purpose standards as proposed in ECE/TRANS/WP.15/AC.1/ 2013/14 (CEN) and INF.5 (CEN)**

The Working Group considered comments received from D, NL and UK and reviewed the suggested amendments as in INF.5. As a result, the table in INF. 5 was amended and simplified. It is annexed to this report.

The Group realizes that the majority of the existing references quote the reference number of the standards, but not its title. It is recommended that a general rule is agreed that all references to general purpose standards shall be limited to the reference number.

The Group is also aware that the adequacy of the standards is based on the status quo and that replacements by better suited standards may be applied for at the level of WP.15, and the RID- and ADN Safety Committees.

The Working Group on standards emphasizes that similar efforts are required to update all other types of standards such as ISO/IEC standards, referenced in RID/ADR/ADN and also in the UN Model Regulations, which are outside the competence of CEN-CENELEC.

#### **Proposal 7**

It is suggested to amend references to general purpose CEN-CENELEC standards in RID/ADR/ADN as indicated in the table annexed to this report.

In addition, the footnotes No.2 of RID/ADR in 9.2.2.5.1 a) and 9.7.8.2 shall be deleted.

#### **Proposal 8**

As some of these standards are found in RID/ADR Chapter 6.9 it is asked that revised and replaced standards - once adopted for reference - shall be given the same option for an early application as for those in chapters 6.2 and 6.8.

After discussion it was proposed to add the following sentence to Section 1.1.5 to read:

**A standard which has been adopted for reference in a future edition of the RID/ADR/ADN may also be applied.**

Alternatively this sentence may be added in Chapter 6.9.

### 3.3. Discussion of comments on draft standards as per INF. 32

The agreed results of the discussion on the coherence of the standards at enquiry and formal vote stage with relevant provisions of RID/ADR are summarized in **INF.45** which will also be provided to the relevant standards bodies for consideration.

As a consequence of the discussion of standards at formal vote stage the following new or amended references to standards in the text of RID/ADR 2015 are proposed as follows:

#### Proposal 9

Add an additional entry in the table of ADR subsection 6.8.2.6.1 under “for all tanks” as indicated below in bold letters:

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)
<b>For all tanks</b>				
EN 14025:2003 + AC:2005	Tanks for the transport of dangerous goods – Metallic pressure tanks – Design and Construction	6.8.2.1	Between 1 January 2005 and 30 June 2009	
EN 14025:2008	Tanks for the transport of dangerous goods – Metallic pressure tanks – Design and Construction	6.2.8.1 and 6.8.3.1	<del>Until further notice</del> <b>Between 1 July 2009 and 31 December 2016</b>	
<b>EN 14025:[2013]</b>	<b>Tanks for the transport of dangerous goods – Metallic pressure tanks – Design and Construction</b>	<b>6.2.8.1 and 6.8.3.1</b>	<b>Until further notice</b>	

### 3.4. Results in informal document INF. 25 (Belgium) - Problems encountered in standards listed in ADR/RID/ADN

The Working Group on standards took note of the report of the CEN Consultant on the reactions of the CEN Technical Committees concerned with those standards. This issue has already been addressed by plenary meetings of CEN/TC 296 and CEN/TC 268. Actions have been agreed to address the Belgium findings in detail. As far as considered valid it will lead to corrigenda or future revisions of the standards.

The Working Group on Standards cannot assist in the amendment of published standards. The most efficient way to resolve this type of issue is to approach the Technical Committee by the national standardizing Organization.

The STD’s WG confirms that its duty is restricted of the check of the conformity with the RID/ADR/ADN requirements. Any technical comments not related to the conformity with the regulations will be transmitted to the TC for its consideration.

### 3.5. The form of compulsory references to standards, INF.18 (Germany).

It was the unanimous opinion of the Group that the primary objective on this issue is the alignment of essential terms and definitions used in the title and scope of standards with those of RID/ADR/ADN.

However, it is not considered acceptable to disregard the dedicated language of sectors of industry as long as related expressions are properly “translated” in notes to the scope and definitions of standards.

There was also no doubt that the scope and not only the title of standards inform about the limits and applicability of a standard (always framed by the RID/ADR/ADN regulations). It was emphasized that the scope of any EN standard is publicly available, such as under <http://eSearch.cen.eu/eSearch/>. This is known and usually checked by those using and purchasing standards

Following these conclusions the Group submits the following proposal:

#### **Proposal 10**

Add the following sentence on top of the tables in RID/ADR 6.2.4.2, 6.8.2.6.2, 6.8.3.6 to read as follows:

**The scope of application of each standard is defined in the scope clause of the standard unless a specific restriction is specified in the table.**

#### **3.6. Presentation and discussion of the concept of “protected over-moulded cylinders”, related to ECE/TRANS/WP.15/AC.1/2013/16 (AEGPL) and INF.39 (AEGPL).**

The Group was given the opportunity to attend a presentation by AEGPL on the safety concept, design, manufacture, type testing, inspection, application and distribution in European countries. Technical issues as well as matters of concordance with existing regulations were discussed to the satisfaction of the participants.

The Group is supportive to the efforts amending RID/ADR to include this type of cylinders into the regulations.

**Annex: Update of EN General Purpose Standards referenced in RID/ ADR/ ADN 2013**

ADR subsec./ para	RID subsec./ para	ADN subsec./ para	Existing Reference number	Revision/ Replacement	Title
8.1.4.1, Footnote 1			EN 2:1992	<b>EN 2:1992+ A1:2004</b>	Classification of fires
6.9.2.5	6.9.2.5		EN 61:1977	<b>EN ISO 527-4:1997 and EN ISO 527-5: 2009</b>	Glass reinforced plastics - Determination of tensile properties Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites Part 5: Test conditions for unidirectional fibre-reinforced plastic composites
		1.2.1 B	EN 137:1993	<b>EN 137:2006</b>	Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus with full face mask - Requirements, testing, marking
5.4.3.4 Instruction in writing - Footnote b)			EN 141	<b>EN 14387:2004 +A1:2008</b>	Respiratory protective devices - Gas filter(s) and combined filter(s) - Requirements, testing, marking
8.1.5.3 Footnote 3)					
		1.2.1 P	EN 340:1993	<b>EN 340:2003</b>	Protective clothing - General requirements
		1.2.1 P	EN 346:1997	<b>EN ISO 20346:2004</b>	Personal protective equipment - Protective footwear (ISO 22346:2004)
		1.2.1 B	EN 371:1992	<b>EN 14387:2004 +A1 2008</b>	Respiratory protective devices - Gas filter(s) and combined filter(s) - Requirements, testing, marking
		1.2.1 B	EN 372:1992		
		1.2.1 P	EN 374-1:1994	<b>EN 374-1:2003</b>	Protective gloves against chemicals and micro-organisms - Part 1: Terminology and performance requirements
		1.2.1 P	EN 374-2:1994	<b>EN 374-2:2003</b>	Protective gloves against chemicals and micro-organisms - Part 2: Determination of resistance to penetration
		1.2.1 P	EN 374-3:1994	<b>EN 374-3:2003+ AC:2006</b>	Protective gloves against chemicals and micro-organisms - Part 3: Determination of resistance to permeation by chemicals
		1.2.1 E	EN 400:1993	<b>EN 13794:2002</b>	Respiratory protective devices - Self-contained closed-circuit breathing apparatus for escape - Requirements, testing, marking
		1.2.1 E	EN 401:1993		

		1.2.1 E	EN 402:1993	<b>EN 402:2003</b>	Respiratory protective devices - Governed demand self-contained open-circuit compressed air breathing apparatus with full face mask or mouthpiece assembly for escape - Requirements, testing, marking
		1.2.1 E	EN 403:1993	<b>EN 403:2004</b>	Respiratory protective devices for self-rescue - Filtering devices with hood for escape from fire - Requirements, testing, marking
5.4.3.4 Instruction in writing	5.4.3.4 Instruction in writing		EN 471	<b>EN 471:2003+ A1:2007</b>	High-visibility warning clothing for professional use - Test methods and requirements
8.1.5.2					
6.8.4.(d), TT8	6.8.4.(d), TT8		EN 473	<b>EN ISO 9712:2012</b>	Non-destructive testing. Qualification and certification of NDT personnel
		1.6.7.4.2 Table C 8 UN No. 1202	EN 590:2004	<b>EN 590:2009+ A1:2010</b>	Automotive fuels - Diesel - Requirements and test methods
3.2.1 Table A UN No. 1202	3.2.1 Table A UN No. 1202	3.2.1 Table A UN No. 1202			
4.1.1.19.6 Table (Assimilation list), UN No. 1202 Diesel fuel	4.1.1.19.6 Table (Assimilation list), UN No. 1202 Diesel fuel				
4.1.1.19.6 Table (Assimilation list), UN No. 1202 heating oil, light	4.1.1.19.6 Table (Assimilation list), UN No. 1202 heating oil, light				
9.1.1.2 a)					
		1.2.1 A	EN 1127-1:1997	<b>EN 13237:2011</b>	Potentially explosive atmospheres. Terms and definitions for equipment and protective systems intended for use in potentially explosive atmospheres
		1.2.1 D			
		1.2.1 D			
		1.2.1 E			
		1.2.1 E			
		1.2.1 E	EN 1146:1997	<b>EN 1146:2005</b>	Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus incorporating a hood for escape - Requirements, testing, marking
		3.2.4.2, No. 3.3	EN 1839:2004	<b>EN 1839:2012</b>	Determination of explosion limits and vapours

		8.1.6.2	EN 12115:1999	<b>EN 12115:2011</b>	Rubber and thermoplastics hoses and hose assemblies for liquid or gaseous chemicals - Specification
		8.1.6.2	EN 12115:1999		
		9.3.2.21.5 c)	EN 12827:1996	<b>EN 12827:1999</b>	Inland navigation vessels - Connections for the transfer of diesel oil.
		1.2.1 F	EN 12874:1999	<b>EN ISO 16852:2010</b>	Flame arresters —Performance requirements, test methods and limits for use
		1.2.1 S			
		1.6.7.2.2.2 Table			
		1.6.7.2.2.2 Table			
6.12.5 Note			EN 13501-1:2002	<b>EN 13501-1:2007 +A1:2009</b>	Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests
9.3.4.2					
		8.1.6.2	EN 13765:2003	<b>EN 13765:2010</b>	Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of hydrocarbons, solvents and chemicals - Specification
		8.1.6.2			
		1.15.3.8	EN 29001:1997	<b>EN ISO 9001:2008 +AC:2009</b>	Quality management systems - Requirements (ISO 9001:2008)
		3.2.3 Footnotes related to the list of substances, Nr. 8)	EN 50014	<b>EN IEC 60079-0: 2012</b>	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
		1.2.1 E			
		1.2.1 T			
		1.2.1 T			
		3.2.4.2 No. 3.1			
		1.2.1 T	EN 50016	<b>EN 60079-2:2007</b>	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p" (IEC 60079-2:2007)
		1.2.1 T	EN 50017	<b>EN 60079-5:2007</b>	Explosive atmospheres - Part 5: Equipment protection by powder filling "q" (IEC 60079-5:2007)
9.2.2.5.1 a) Note 2)					
9.7.8.2 Note 2)					
		1.2.1 T	EN 50018	<b>EN 60079-1:2007</b>	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" (IEC 60079-1:2007)
		1.2.1 T	EN 50019	<b>EN 60079-7:2007</b>	Explosive atmospheres - Part 7: Equipment protection by increased safety "e" (IEC 60079-7:2006)

		1.2.1 T	EN 50020	<b>EN 60079-11:2012</b>	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" (IEC 60079-11:2006)
		1.2.1 T	EN 50028	<b>EN 60079-18:2009</b>	Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation "m" electrical apparatus (IEC 60079-18:2004)
		9.3.1.21.5 a)	EN 60309-2:1999	<b>EN IEC 60309-2:1999 +A1:2007 +A2:2012</b>	Plugs, socket-outlets and couplers for industrial purposes - Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories
		9.3.1.21.5 b)			
		9.3.2.21.5 a)			
		9.3.2.21.5 b)			
		9.3.3.21.5 a)			
		9.3.3.21.5 d)			
6.9.4.2.1	6.9.4.2.1			<b>Additional reference to be added: EN ISO 527-4:2009</b>	Plastics - Determination of tensile properties - Part 5: Test conditions for isotropic fibre-reinforced plastic composites (ISO 527-5:2009)
6.9.4.2.2	6.9.4.2.2				
6.9.4.2.1	6.9.4.2.1		EN ISO 527-5:1997	<b>EN ISO 527-5:2009</b>	Plastics - Determination of tensile properties - Part 5: Test conditions for unidirectional fibre-reinforced plastic composites (ISO 527-5:2009)
6.9.4.2.2	6.9.4.2.2				
6.9.2.10	6.9.2.10		EN ISO 14125:1998	<b>EN ISO 14125:1998 +AC:2002 +A1:2011</b>	Fibre-reinforced plastic composites - Determination of flexural properties (ISO 14125:1998)
1.8.6.1	1.8.6.1		EN ISO/IEC 17020:2004	<b>EN ISO/IEC 17020:2012</b>	General criteria for the operation of various types of bodies performing inspection (ISO/IEC 17020:2012)
		1.15.3.8			
		1.16.4.1			
6.2.2.10	6.2.2.10				
6.2.3.6.1	6.2.3.6.1				
	6.8.2.4.6				
6.8.4, TA4 and TT9	6.8.4, TA4 and TT9				
6.9.2.3.2	6.9.2.3.2		ISO 75-1:1993	<b>EN ISO 75-1:[2013]</b>	Plastics - Determination of temperature of deflection under load - Part 1: General test method (ISO/DIS 75-1:2013)