

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

Bern, 8-11 September 2009

Geneva, 14-18 September 2009

Item 2 of the provisional agenda

STANDARDS

**Report of the Standards Working Group
(13th 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.1/2009/16** and **-/Add.1**, paragraphs 17 and 19 to check the references to standards on the establishment of flash-point and boiling point;
 - 1.2 **ECE/TRANS/WP.15/AC.1/2009/43** and **INF.26** with the consolidated comments submitted by Members of the Joint Meeting on standards and standard revisions in various stages of evolution;
 - 1.3 **ECE/TRANS/WP.15/AC.1/2009/44** on the transition regulations for type approvals for pressure receptacles and tanks designed and constructed according to different issues of standards referenced in RID/ADR together with **ECE/TRANS/WP.15/AC.1/2009/33** and **ECE/TRANS/WP.15/AC.1/2009/34** addressing the further use of pressure receptacles and tanks built according to type approvals which have been withdrawn according to the transition regulations indicated in the tables to RID/ADR 6.2.4 and 6.8.2;
 - 1.4 **ECE/TRANS/WP.15/2009/2** together with **INF.17** to check the references to standards on agents for fire extinguishers.
 - 1.5 The discussion of **ECE/TRANS/WP.15/AC.1/2009/45** (report of the informal working group "EN 15504") was allocated to Plenary.
2. Results:
 - 2.1 Results on 1.1 (Determination of flash-point (section 2.3.3 of RID/ADR/ADN)

The working group, in view of the arguments put forward by plenary on this subject and which are

- to achieve coherence with the UN Model Regulations,
- to keep the principle adopted by the Joint Meeting to refer to dated standards (except that the reference is expressively of an informative character) and
- to cope with the agreed procedures on the adoption of standards for reference in RID/ADR (conformity –check by the Std's WG based of standard texts provided by CEN),

addressed the observations by the harmonization ad hoc group in paragraphs 17 and 19 of their report and came to the following conclusion:

Notwithstanding to the general agreement that any revision of a standard should be implemented in RID/ADR as long it is compliant its regulations, the group realizes that the questions and suggestions put forward by the harmonization ad hoc group have not been prepared properly¹ including the fact that

¹ Information on any intended involvement of the STD's WG, directed to its chairman, in addition to distributed reports would be preferable and could avoid such situations.

the revised standards in question have not been provided. At this point of time a final proposal on an amendment to section 2.3.3 was not be possible, therefore.

2.2 Results on 1.2 (Consideration of CEN standardization work in progress)

2.2.1 The results of the discussion on the compliance of the draft standards in various stages of evolution provided by CEN are summarized in **INF.26 rev2**.

2.2.2 As a consequence the following amendment of RID/ADR is proposed:

Replace the existing references to EN 13094:2008 in subsection 6.8.2.6 by: EN 13094:2008 + AC:2008 (Title of the standard unchanged);

This amendment is shown in the relevant tables below.

2.2.3 The WG takes note that the Joint Meeting has allocated the proposed reference to EN 12663-2 in RID to the RID TVTWG. The STD'S WG would support a reference to EN 15551 in combination with EN 12663-2 as it has been suggested in ECE/TRANS/ WP.15/ AC.1/2009/43, No. 3.

2.3 Results on 1.3 (transition regulations for type approvals for pressure receptacles and tanks)

2.3.1 With respect to the concerns of Belgium and UIP in ECE/TRANS/WP.15/AC.1/2009/33 and ECE/TRANS/WP.15/AC.1/2009/34 on the further use of pressure receptacles and tanks in case that the related type approval have been withdrawn, the WG supports the principle that

- the lifetime of pressure receptacles and tanks, built according to standards which have been withdrawn after its putting into service, shall be unlimited, provided that the periodic-inspections are performed in compliance with RID/ADR with positive results and provided that the legislator hasn't imposed specific provisions on the further use.
- A solution for tanks could follow the example in 1.6.2.5 for pressure receptacles which is considered adequate to cope with the above principle..

2.3.2 The WG, having discussed ECE/TRANS/WP.15/AC.1/2009/44 proposes the transition rules as indicated in the annexed tables.

2.4 Results on 1.4 (references to standards on agents for fire extinguishers)

The working group addressed the amended references to standards in ADR on fire extinguishers and filling agents, as proposed by Sweden and supports – in principle - any such adaptation. It took note that the Joint Meeting was not prepared to distinguish between standards directly related to RID/ADR/ADN provisions and those which are referred to as supportive documents and which could be referenced undated.

The WG recalls the agreed procedure according to which a recommendation on new or amended references to standards shall be based on the text of these standards provided by CEN in due time. Unfortunately, this was not the case here. At this point of time a final proposal on an amendment to ADR, subsection 8.1.4.3 was not be possible, therefore.

The second element proposed in INF.17 (procedures for the adoption of standards referenced in one of the regulations RID, ADR or ADN only) has been dealt with in Plenary.

Proposed amendments in the table in 6.2.4

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
for design and construction				
EN 1442:1998 + AC:1999	Transportable refillable welded steel cylinders for liquefied petroleum gas (LPG) - Design and construction.	6.2.3.1 and 6.2.3.4	Between 1 July 2001 and 30 June 2007	31 December 2012
EN 1442:1998 + A2:2005	Transportable refillable welded steel cylinders for liquefied petroleum gas (LPG) - Design and construction	6.2.3.1 and 6.2.3.4	Between 1 January 2007 and 31 December 2010	

Decision of STD's WG:

- Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: 1999 edition did not fully comply with RID/ADR 2005.

EN 1442:2006 + A1:2008	Transportable refillable welded steel cylinders for liquefied petroleum gas (LPG) - Design and construction	6.2.3.1 and 6.2.3.4	Until further notice	
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Decision of STD's WG:

- Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization: Revision led to full compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: 2008 edition removed non-compliances with RID/ADR 2007.

EN 1800:1998/AC:1999	Transportable gas cylinders - Acetylene cylinders - Basic requirements and definitions	6.2.1.1.9	Between 1 July 2001 and 31 December 2010	
EN 1800:2006	Transportable gas cylinders - Acetylene cylinders - Basic requirements, definitions and type testing	6.2.1.1.9	Until further notice	

Decision of STD's WG:

- Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: The 2006 edition added new options and is still in compliance with RID/ADR.

EN 1975:1999 (except Annex G)	Transportable gas cylinders – Specifications for the design and construction of refillable transportable seamless aluminium and aluminium alloy gas cylinders of capacity from 0.5 litres up to 150 litres	6.2.3.1 and 6.2.3.4	Before 1 July 2005	
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EN 1975:1999 + A1:2003	Transportable gas cylinders – Specifications for the design and construction of refillable transportable seamless aluminium and aluminium alloy gas cylinders of capacity from 0.5 litres up to 150 litres.	6.2.3.1 and 6.2.3.4	Until further notice	
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Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: The 2003 edition removed Annex G and made the standard compliant with RID/ADR without the exception. Existing type approvals are untouched by this amendments.

EN 13322-1:2003	Transportable gas cylinders – Refillable welded steel gas cylinders – Design and construction – Part 1: Welded steel	6.2.3.1 and 6.2.3.4	Before 1 July 2007	
EN 13322-1:2003 + A1:2006	Transportable gas cylinders – Refillable welded steel gas cylinders – Design and construction – Part 1: Welded steel	6.2.3.1 and 6.2.3.4	Until further notice	

Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: New material lists were added and the radiographic test procedures amended with no effect on the compliance with RID/ADR.

EN 13322-2:2003	Transportable gas cylinders – Refillable welded stainless steel gas cylinders – Design and construction – Part 2: Welded stainless steel	6.2.3.1 and 6.2.3.4	Before 1 July 2007	
EN 13322-2:2003 + A1:2006	Transportable gas cylinders – Refillable welded stainless steel gas cylinders – Design and construction – Part 2: Welded stainless steel	6.2.3.1 and 6.2.3.4	Until further notice	

Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: Reasoning: New material lists were added and the radiographic test procedures amended with no effect on the compliance with RID/ADR.

EN 14427:2004	Transportable refillable fully wrapped composite cylinders for liquefied petroleum gases - Design and construction NOTE: This standard applies only to cylinders equipped with pressure relief valves.	6.2.3.1 and 6.2.3.4 and 6.2.3.9	Before 1 July 2007	
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EN 14427:2004 + A1:2005	Transportable refillable fully wrapped composite cylinders for liquefied petroleum gases - Design and construction NOTE 1: This standard applies only to cylinders equipped with pressure relief valves. NOTE 2: In 5.2.9.2.1 and 5.2.9.3.1, both cylinders shall be subject to a burst test when they show damage equal to or worse than the rejection criteria.	6.2.3.1 <u>and</u> 6.2.3.4 and 6.2.3.9	Until further notice	
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Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Reasoning: Both issue were considered as compliant with RID/ADR. The amendments in the new edition (adition of the reference to EN 14763 and the alignment of clauses with it) don't touch this compliance.
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

EN 14140:2003	Transportable refillable welded steel cylinders for Liquefied Petroleum Gas (LPG) – Alternative design and construction	6.2.3.1 <u>and</u> 6.2.3.4 and 6.2.3.9	Between 1 January 2005 and 31 December 2010	
EN 14140:2003 + A1:2006	LPG equipment and accessories – Transportable refillable welded steel cylinders for LPG – Alternative design and construction	6.2.3.1 <u>and</u> 6.2.3.4 and 6.2.3.9	Until further notice	

Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Reasoning: Both issue were considered as compliant with RID/ADR with the indicated applicapable subsections and paragraphs. The amendments in the new edition (adition of the reference to EN 14894 and others) don't touch this compliance..
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

EN 13769:2003	Transportable gas cylinders – Cylinder bundles – Design, manufacture, identification and testing	6.2.3.1 <u>and</u> 6.2.3.4 and 6.2.3.9	Before 1 July 2007	
EN 13769:2003/ A1:2005	Transportable gas cylinders – Cylinder bundles – Design, manufacture, identification and testing	6.2.3.1 <u>and</u> 6.2.3.4 and 6.2.3.9	Until further notice	

Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Reasoning: The wording of the 2005 edition has been improved and an additional figure added with no impact on the existing compliance with RID/ADR.
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

for closures				
EN 849:1996 (except Annex A)	Transportable gas cylinders – Cylinder valves: Specification and type testing	6.2.3.1	Before 1 July 2003	
EN 849:1996 + A2:2001	Transportable gas cylinders – Cylinder valves: Specification and type testing	6.2.3.1	Before 1 July 2007	

Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR

Reasoning: The revision of EN 849 allowed for the removal of the exception in RID/ADR. Type approvals based on the 1996 edition are untouched by this revision, therefore.

EN ISO 10297:2006	Transportable gas cylinders - Cylinder valves: Specification and type testing	6.2.3.1	Until further notice	
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Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: EN ISO 10297:2006 equals EN 849:1996 + A2:2001 with respect to the compliance with RID/ADR.

EN 13152:2001	Specifications and testing of LPG – cylinder valves – Self closing	6.2.3.3	Between 1 January 2005 and 31 December 2010	
EN 13152:2001 + A1:2003	Specifications and testing of LPG – cylinder valves – Self closing	6.2.3.3	Until further notice	

Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: The amendments (Corrections and addition of test at lower temperatures don't touch the existing compliance with RID/ADR.

EN 13153:2001	Specifications and testing of LPG – cylinder valves – Manually operated	6.2.3.3	Between 1 January 2005 and 31 December 2010	
EN 13153:2001 + A1:2003	Specifications and testing of LPG – cylinder valves – Manually operated	6.2.3.3	Until further notice	

Decision of STD's WG:

X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR

□ Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: The amendments (Corrections and addition of test at lower temperatures don't touch the existing compliance with RID/ADR.

Proposed amendments in the tables in 6.8.2.6

Reference	title of document	Applicable sub-sections and paragraphs		Latest date for withdrawal of existing type approvals
(1)	(2)	(3)	(4)	(5)
For all tanks				
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	6.8.2.1	Until further notice	

Decision of STD's WG:

X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR

□ Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: The amendments made don't touch the existing compliance with RID/ADR.

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				
EN 13094: 2004	Tanks for the transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0.5 bar – Design and construction	6.8.2.1	Between 1 January 2005 and 31 December 2009	
EN 13094: 2008 +AC:2008	Tanks for the transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0.5 bar – Design and construction	6.8.2.1	Until further notice	

Decision of STD's WG:

X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR

□ Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: The comprehensive improvements in the new edition don't touch the existing compliance with RID/ADR:

for tanks for gases of Class 2				
EN 12493: 2001 (except Annex C)	Welded steel tanks for liquefied petroleum gas (LPG) – Road tankers – Design and manufacture Note: Road tankers is to be understood in the meaning of "fixed tanks" and "demountable tanks" as per ADR.	6.8.2.1 (with the exception of 6.8.2.1.17); 6.8.2.4.1 (with the exclusion of the leakproofness test); 6.8.2.5.1, 6.8.3.1 and 6.8.3.5.1	Between 1 January 2005 and 31 December 2010	31 December 2012
EN 12493: 2008 (except Annex C)	LPG equipment and accessories - Welded steel tanks for liquefied petroleum gas (LPG) – Road tankers – Design and manufacture Note: Road tankers is to be understood in the meaning of "fixed tanks" and "demountable tanks" as per ADR.	1.2.1, 6.8.1 6.8.2.1 (with the exception of 6.8.2.1.17), 6.8.2.5, 6.8.3.1, 6.8.3.5, 6.8.5.1 to 6.8.5.3	Until further notice	

Decision of STD's WG:

- Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits, Reasoning: Only part of the non-compliances with RID/ADR have been removed in the new edition.

EN 12252: 2000	Equipping of LPG road tankers Note: Road tankers is to be understood in the meaning of "fixed tanks" and "demountable tanks" as per ADR.	6.8.3.2 (with the exception of 6.8.3.2.3)	Between 1 January 2005 and 31 December 2010	31 December 2012
EN 12252:2005 + A1:2008	LPG equipment and accessories – Equipping of LPG road tankers Note: Road tankers is to be understood in the meaning of "fixed tanks" and "demountable tanks" as per ADR.	6.8.3.2 (with the exception of 6.8.3.2.3) and 6.8.3.4.9	Until further notice	

Decision of STD's WG:

- Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits, Reasoning: New edition still not in full compliance with RID/ADR.

EN 13530-2: 2002	Cryogenic vessels – Large transportable vacuum insulated vessels – Part 2: Design, fabrication, inspection and testing	6.8.2.1 (with the exception of 6.8.2.1.17), 6.8.2.4, 6.8.3.1 and 6.8.3.4	Between 1 January 2005 and 30 June 2007	
EN 13530-2: 2002 + A1:2004	Cryogenic vessels – Large transportable vacuum insulated vessels – Part 2: Design, fabrication, inspection and testing	6.8.2.1 (with the exception of 6.8.2.1.17), 6.8.2.4, 6.8.3.1 and 6.8.3.4	Until further notice	

Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: The partial non-compliance with RID/ADR has not been removed by the revision. Existing type approvals are untouched by the revision under consideration of the maintained exceptions in RID/ADR.

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				
EN 13094: 2004	Tanks for the transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0.5 bar – Design and construction	6.8.2.1	Between 1 January 2005 and 31 December 2009	
EN 13094: 2008 +AC:2008	Tanks for the transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0.5 bar – Design and construction	6.8.2.1	Until further notice	

Decision of STD's WG:

- X Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: The comprehensive improvements in the new edition don't touch the existing compliance with RID/ADR:

EN 13317:2002²	Tanks for transport of dangerous goods – Service equipment for tanks – Manhole cover assembly	6.8.2.2 and 6.8.2.4.1	Between 1 January 2005 and 30 June 2007	{31 December 2012}
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)	Tanks for transport of dangerous goods – Service equipment for tanks – Manhole cover assembly	6.8.2.2 and 6.8.2.4.1	Between 1 January 2005 and 31 December 2010	31 December 2012
EN 13317:2002 + A1:2006	Tanks for transport of dangerous goods – Service equipment for tanks – Manhole cover assembly	6.8.2.2 and 6.8.2.4.1	Until further notice	

Decision of STD's WG:

- Characterization as incremental changes not affecting conformity of the type with the latest applicable version of RID/ADR
- X Characterization: Revision led to improved compliance with the latest applicable version of RID/ADR and/or to important safety benefits,

Reasoning: The revision removed partial non-compliance with RID/ADR and led to the deletion of the exception.

² Proposed to be deleted because of the regulation in 1.6.3.32