

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**

21 February 2020

Bern, 16-20 March 2020

Item 3 of the provisional agenda

Standards

Information on work of the Working Group on Standards

Transmitted by the European Committee for Standardisation (CEN)

Introduction

1. Following the cooperation agreement between CEN/CENELEC and the Joint Meeting (see ECE/TRANS/WP.15/AC.1/122/Add.2, as amended by ECE/TRANS/WP.15/AC.1/130/Annex III), CEN-CENELEC Management Centre proposed standards for referencing in the RID/ADR. As mentioned during the last Joint Meeting, the European Commission decided to close the Mandate M/086. Consequently, there is no HAS Consultant for TDG anymore. The industries are seeking funding for an independent advisor.

Activities during the last semester

2. CEN had prepared 4 dispatches on 7 October 2019, 29 November 2019, 9 December 2019 and 21 January 2020 for consideration by the Working Group. No independent assessment was provided.

3. The NGOs, European Cylinder Makers Association (ECMA), European Industrial Gases Association (EIGA) and Liquid Gas Europe (LGE) have reached agreement on sharing the costs of a Joint Meeting Standards Advisor. They have also identified a suitable and competent candidate and work is in hand to draw up formal contracts between these parties. Negotiations on the Advisor's contract are well advanced, but were not completed in time to provide input to this session of the Joint Meeting.

4. Following the modifications to the standards listed in 4.1.6.15 agreed at the March session the Chair of the Working Group on Standards has reviewed the list of standards in P200 (11) and proposed amendments to align the presentation of EN ISO standards with the principle agreed for 4.1.6.15. The Chair suggested amendments are given at the end of the annex to this paper and were considered by the Working Group on Standards.

New work items

5. With respect to CEN's work programme the Joint Meeting is invited to take note that the following new work items related to the transport of dangerous goods have been added to the programme of CEN/TC's 23, 268, 286 and 296.

6. The members of the Joint Meeting are invited to advise their experts to take part in the drafting and revision process of these work items via their national standardization bodies.

Table of new CEN work items related to provisions of RID/ADR/ADN

Responsible standardizing body	Work item No.	Reference	Title
CEN/TC 23	00023212	prEN ISO 11623 rev	Gas cylinders - Composite construction - Periodic inspection and testing
CEN/TC 268	00268069	prEN ISO 21011	Cryogenic vessels - Valves for cryogenic service
CEN/TC 286	00286192	prEN 13799 rev	LPG equipment and accessories - Contents gauges for Liquefied Petroleum Gas (LPG) pressure vessels
CEN/TC 286	00286198	prEN 14427 rev	LPG equipment and accessories - Transportable refillable fully wrapped composite cylinders for LPG - Design and construction
CEN/TC 286	00286204	prEN 14894 rev	LPG equipment and accessories – Cylinder and drum marking
CEN/TC 286	00286205	prEN1439 rev	LPG equipment and accessories - Procedure for checking transportable refillable LPG cylinders before, during and after filling
CEN/TC 296	00296C04	prEN 14025:2018/prAC	Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction

New and amended references to standards

7. Since the session of September 2019, draft standards have reached the enquiry, formal vote or publication stages. They were made available for consultation by members of the Joint Meeting on the dedicated CEN webpage (Dispatch 1, 2, 3 and 4). In addition the corrigendum of EN 14025:2018 was added to the Working Group's agenda.

8. A teleconference of the Working Group on Standards was convened on 10 February and the comments made and decisions taken are recorded in the following Annex.

Annex

A. Standards at Stage 2: Submitted for Public Enquiry

Dispatch 2

EN ISO 16148:2016/prA1		Gas cylinders - Refillable seamless steel gas cylinders and tubes - Acoustic emission examination (AT) and follow-up ultrasonic examination (UT) for periodic inspection and testing - Amendment 1		Where to refer in RID/ADR: 6.2.3.5.1 <i>NOTE 2</i>	Applicable sub-sections and paragraphs: Not applicable	
00023216						
Assessment by Advisor awaited						
Comments from members of the Joint Meeting:						
Country	Clause No.	Comment (justification for change)		Proposed change	Comment from CEN Consultant	Comment from WG Standards
UK1	General	These amendments do no affect compliance with the RID/ADR		prA1 can be referenced		
UK2	A.1.5 c) <i>Editorial</i>	The amendment text of A.1.5 c) referrers to ISO 6406 which is no longer a normative reference in this standard		Replace ISO 6409 with ISO 18119		
Decision of the STD's WG:		Accepted	Comments			
			Likely publication date to be discussed			

Dispatch 2

EN 13175:2019/prA1		LPG Equipment and accessories - Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings		Where to refer in RID/ADR: 6.2.4.1 <i>closures</i> , 6.8.2.6.1 <i>equipment</i>	Applicable sub-sections and paragraphs: 6.2.3.1 and 6.2.3.3 6.8.2.1.1, 6.8.2.2, 6.8.2.4.1 and 6.8.3.2.3	
00286202						
Assessment by Advisor awaited						
Comments from members of the Joint Meeting:						
UK1	6.1.6	This amendment corrects the only two errors found by the Standard WG in its review of FprEN 13175		Suitable for referencing		Comment from WG Standards

UK2		This amendment standard can be referenced but the enquiry will not end until 2020-05-07. Since the amendment is unlikely to be published in time for the 2021 edition of RID/ADR a suggested transition is shown below	Suggest to reference the standard with the exclusion of clause 6.1.6		
Decision of the STD's WG:	Accepted	Comments	Proposed transition regulation	Applicable for new type approvals or renewals	Latest date for withdrawal of existing type approvals
			EN 13175:2014	Until 31 December 2022	
			EN 13175:2019 (except clause 6.1.6)	Until further notice	
			[EN 13175:2019 + A1:2020]	Until further notice	

Dispatch 2

prEN 12493	LPG equipment and accessories - Welded steel pressure vessels for LPG road tankers - Design and manufacture		Where to refer in RID/ADR: 6.8.2.6.1	Applicable sub-sections and paragraphs: 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	
00286194	Assessment by Advisor awaited				
Comments from members of the Joint Meeting:					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
UK 1		Annex C to be excluded from the reference – no other comment			
GER 1		The calculation according to the standard does not always guarantee minimum wall thicknesses to fulfill 6.8.2.1.17 ADR. The permissible design stress of the tank shell was increased from the former version (EN 12493:2013:+A1:2014) to the level of the standard EN 12943:2001 (see D1.1). An example calculation according to the standard provides a smaller wall thickness than required to 6.8.2.1.17 ADR (material			WG and the Advisor will have to agree with CEN on a workable solution

		grade P235GH from Annex A, Do = 2000 mm, P = 2,7 MPa).			
Decision of the STD's WG:	Postponed	Comments			

Dispatch 2

EN 16728:2016+A1:2018/ FprA2:2019	LPG equipment and accessories - Transportable refillable LPG cylinders other than traditional welded and brazed steel cylinders - Periodic inspection		Where to refer in RID/ADR: 6.2.4.2	Applicable sub-sections and paragraphs: Not applicable	
00286191					
Assessment by Advisor awaited					
Comments from members of the Joint Meeting:					
UK1		Adoption in RID/ADR 2021 of A1:2018 confirmed in report of Joint Meeting Sept 2018 ECE/TRANS/WP.15/AC.1/152 Annex II. FV ends 2022-02-06	Acceptance requires A2:2020 to be added to the agreed entry for EN 16728:2016 + A1:2018		Comment from WG Standards
UK2	General	No comment on content of FprA2:2019			
UK3	Transition	The RID/ADR 2019 states that EN 16728:2016 ceases to be applicable 31 December 2020	Correct to 31 December 2021		
Decision of the STD's WG:	Accepted	Comments	Proposed transition regulation	Applicable	
			EN 16728:2016 +A1:2018 + A2:2020	Mandatorily from 1 January 2022	

Dispatch 2

EN 1440:2016+A1:2018 /FprA2:2019		LPG equipment and accessories - Transportable refillable traditional welded and brazed steel Liquefied Petroleum Gas (LPG) cylinders - Periodic inspection		Where to refer in RID/ADR: 6.2.4.2	Applicable sub-sections and paragraphs: Not applicable
00286196					
Assessment by Advisor awaited					
Comments from members of the Joint Meeting:					
UK1	General	Adoption in RID/ADR 2021 of A1:2018 confirmed in report of Joint Meeting Sept 2018 ECE/TRANS/WP.15/AC.1/152 Annex II. FV ends 2022-02-06		Acceptance requires A2:2020 to be added to the agreed entry for EN 1440:2016 + A1:2018	Comment from WG Standards
UK2	General	No comment on content of FprA2:2019			
UK3	Transition	The RID/ADR 2019 states that EN 1440:2016 ceases to be applicable 31 December 2020		Correct to 31 December 2021	
Decision of the STD's WG:		Accepted	Comments	Proposed transition regulation	Applicable
				EN 1440:2016 + A1:2018 + A2:2020	Mandatorily from 1 January 2022

Dispatch 3

prEN ISO 17871		Gas cylinders - Quick-release cylinder valves - Specification and type testing (ISO/DIS 17871:2019)		Where to refer in RID/ADR: 6.2.4.1 <i>closures</i>	Applicable sub-sections and paragraphs: 6.2.3.1, 6.2.3.3 and 6.2.3.4
00023217					
Assessment by Advisor awaited					
Comments from members of the Joint Meeting:					
UK1		Enquiry ends 2020-02-20 but publication before June 2020 is unlikely.			Comment from WG Standards
UK2		No comment on content			

Decision of the STD's WG:	Accepted	Comments	
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B. Standards at Stage 3 or 4: Submitted for Formal vote or Published

Dispatch 1

FprEN ISO 10961		Gas cylinders - Cylinder bundles - Design, manufacture, testing and inspection (ISO/FDIS 10961:2019)	Where to refer in RID/ADR 6.2.4.1	Applicable sub-sections and paragraphs: 6.2.3.1, 6.2.3.4		
00023202						
Assessment by Advisor awaited						
Enquiry draft discussed by STD's WG in						
Comments from members of the Joint Meeting:						
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards	
UK1	1	Scope restricted to cylinders as requested at enquiry				
UK2	7.2.4	German comments at enquiry on leak detection and measuring the 5 ° angle addressed to the UK's satisfaction.				
UK3	General	This standard can be referenced.				
Decision of the STD's WG:		Accepted	Comments	Proposed transition regulation	Applicable for new type approvals or renewals	Latest date for withdrawal of existing type approvals
				EN ISO 10961:2012	Between 1 January 2013 and 31 December 2022	
				EN ISO 10961:2019	Until further notice	

FprEN 13922		Tanks for transport of dangerous goods - Service equipment for tanks - Overfill prevention systems for liquid fuels		Where to refer in RID/ADR XXXX	Applicable sub-sections and paragraphs: XXXX	
00296100						
Assessment by Advisor awaited						
Enquiry draft discussed by STD's WG in						
Comments from members of the Joint Meeting:						
Country	Clause No.	Comment (justification for change)		Proposed change	Comment from CEN Consultant	Comment from WG Standards
UK	General	This standard is not a candidate for referencing in the RID/ADR since there are no relevant provisions. Previous editions have been refused by the Standards WG.				See ADR 4.3.2.2
GER	General	There are no requirements about overfill prevention systems in the ADR. Insofar this standard should not be referenced in the ADR				
Decision of the STD's WG:		Postponed	This standard maybe of interest for the ADR in the future as a non-mandatory reference to support the requirement of ADR 4.3.2.2	Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals

EN ISO 11117:2019		Gas cylinders - Valve protection caps and guards - Design, construction and tests		Where to refer in RID/ADR 4.1.6.15	Applicable sub-sections and paragraphs: 4.1.6.8 (b) and (c)	
00023194						
Assessment by Advisor awaited						
Enquiry draft discussed by STD's WG in						
Comments from members of the Joint Meeting:						

Country	Clause No.	Comment (justification for change)		Proposed change	Comment from CEN Consultant	Comment from WG Standards
UK	General	prEN accepted without comment from the Standards WG at the March 2019 meeting. The standard as published can be referenced				
Decision of the STD's WG:		Accepted		Insert in the table in 4.1.6.15 with earlier references of ISO 11117 as shown with new text underlined: ISO 11117:1998 or EN ISO 11117:2008 + Cor1:2009 or <u>ISO 11117:2019</u> NB: If the Joint Meeting paper 2020/4 from Germany is adopted the entry for EN ISO 11117:2008 + Cor1:2009 will need to show "Until 31 December 2022" in the third column and the new row for EN ISO 11117:2019 will need to show "Until further notice"		

Dispatch 4

EN ISO 14245:2019	Gas cylinders - Specifications and testing of LPG cylinder valves - Self-closing		Where to refer in RID/ADR	Applicable sub-sections and paragraphs:		
00286168			6.2.4.1 for closures, P200 (12) 3.4	6.2.3.1 and 6.2.3.3		
Assessment by Advisor awaited						
Enquiry draft discussed by STD's WG in						
Comments from members of the Joint Meeting:						
Country	Clause No.	Comment (justification for change)		Proposed change	Comment from CEN Consultant	Comment from WG Standards
UK	General	prEN accepted by the Standards WG without comment at September 2018 meeting. The standard as published can be referenced.				
Decision of the STD's WG:		Accepted		Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
				EN ISO 14245:2010	Between 1 January 2013 and 31 December 2022	
				EN ISO 14245:2019	Until further notice	

Dispatch 4

EN ISO 15995:2019		Gas cylinders - Specifications and testing of LPG cylinder valves - Manually operated		Where to refer in RID/ADR	Applicable sub-sections and paragraphs:	
00286169				6.2.4.1 for closures, P200 (12) 3.4	6.2.3.1 and 6.2.3.3	
Assessment by Advisor awaited						
Enquiry draft discussed by STD's WG in						
Comments from members of the Joint Meeting:						
Country	Clause No.	Comment (justification for change)		Proposed change	Comment from CEN Consultant	Comment from WG Standards
UK	General	prEN accepted by the Standards WG without comment at September 2018 meeting. The standard as published can be referenced.				
Decision of the STD's WG:		Accepted		Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
				EN ISO 15995:2010	Between 1 January 2013 and 31 December 2022	
				EN ISO 15995:2019	Until further notice	

WIs of General purpose standards reaching publication soon (reference of standards in RIDADR)

- prEN ISO 16106 - Transport packages for dangerous goods - Dangerous goods packagings, intermediate bulk containers (IBCs) and large packagings - Guidelines for the application of ISO 9001 (ISO/DIS 16106:2018)

Comment: The previous version of the above standard (ISO 16106:2006) is referenced in the UN Model Regulations/RID/ADR in a Note appearing in 6.1.1.4, 6.3.2.2, 6.5.4.1 and 6.6.1.2.

- EN ISO 9994:2019 - Lighters - Safety specification (ISO 9994:2018)

Comment: The previous version of this standard (EN ISO 9994:2006 + A1:2008) appears in Special Provision 658 of RID/ADR.

Amendments to P200 (11) proposed by the Chair of the Working Group on Standards

1. Delete the amendment for second row beginning “(7) EN ISO 24431:2016”
2. Replace “ISO 11372:2011” by “EN ISO 11372:2011” and delete “NOTE: The EN ISO version of this ISO standard fulfils the requirements and may also be used”.
3. Replace “ISO 13088:2011” by “EN ISO 13088:2011” and delete “NOTE: The EN ISO version of this ISO standard fulfils the requirements and may also be used”.

Corrigendum EN 14025:2018/AC:2020 - Tanks for the transport of dangerous goods — Metallic pressure tanks — Design and construction

A corrigendum has been submitted to CEN on the EN 14025:2018 - Tanks for the transport of dangerous goods — Metallic pressure tanks — Design and construction.

Content of the corrigendum:

Modification to 1, Scope

In the 2nd paragraph, replace the 5th sentence with the following (change highlighted in red):

For portable tanks see also RID/ADR, Chapter 4.2 and Sections 6.7.2 and 6.7.3.

Modification to 6.3.5.2.6

Replace Formula (37) with the following (changes highlighted in red):

$$p \times [A_p + 0,5(A_{fm} + A_{fb} + A_{fp})] \leq (f_d \times A_{fm} + f_{d,b} \times A_{fb} + f_{d,p} \times A_{fp})$$

Modification to A.6.4.2

Replace the last part of the last sentence with the following (change highlighted in red):

[...] which corresponds to the actual pressure $p = 0,04$ MPa.

The Working Group agreed to add this corrigendum to the reference adopted in 6.8.2.6.1