



# Economic and Social Council

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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

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), the CEN-CENELEC Management Center (CCMC) 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 Harmonized Standards (HAS) consultant for the transport of dangerous goods anymore. The industries are seeking funding for an independent advisor.

### Activities during the last semester

2. CEN had prepared 3 dispatches on 7 October 2019, 29 November 2019 and 9 December 2019 for consideration by the Working Group. No independent assessment was provided.

3. The non-governmental organizations 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. It is anticipated that the standards advisor will be formally appointed in time to review the standards which CEN has put forward for consideration for the March session of the Joint Meeting. Further information will be submitted when these formalities have been concluded.

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\* In accordance with the programme of work of the Inland Transport Committee for 2018-2019, (ECE/TRANS/WP.15/237, annex V, (9.2)).

\*\* Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2020/11.

4. Following the modifications to the standards listed in 4.1.6.15 agreed at the March session the Chairman of the Working Group on Standards has reviewed the list of standards in P200 (11) and is proposing amendments to align the presentation of EN ISO standards with the principle agreed for 4.1.6.15. The Chair's suggested amendments are given at the end of the annex of this paper for consideration 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 - Procedure for checking transportable refillable LPG cylinders before, during and after filling
CEN/TC 286	00286205	prEN 1439 rev	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 and formal vote stages. They have been made available for consultation by members of the Joint Meeting on the dedicated CEN webpage (Dispatch 1, 2 and 3).

8. Members of the Joint Meeting have already been invited to provide their comments on the documents listed in Dispatch 1, 2 and 3. They still have the time to provide their comments to CCMC ([macarreira@cencenelec.eu](mailto:macarreira@cencenelec.eu)) – **till 15 December 2019**. It is foreseen to organize ad hoc web-conferences in order to review those comments beginning February 2020 (calendar of dates still to be defined with Joint Meeting Working Group on Standards). All comments will be consolidated in a separate document and be provided to the Joint Meeting.

**Annex**

**[English only]**

**A. Standards at Stage 2: Submitted for Public Enquiry**

Dispatch 2

<b>EN ISO 16148:2016/prA1</b> 00023216		<b>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</b>	<b>Where to refer in RID/ADR: 6.2.3.5 NOTE 2</b>	<b>Applicable sub-sections and paragraphs: Not applicable</b>	
Assessment by Advisor awaited					
<b>Comments from members of the Joint Meeting:</b>					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
<b>Decision of the STD's WG:</b>		Accepted Refused Postponed	Comments		

Dispatch 2

<b>EN 13175:2019/prA1</b> 00286202		<b>LPG Equipment and accessories - Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings</b>	<b>Where to refer in RID/ADR: 6.2.4.1 closures, 6.8.2.6.1 equipment</b>	<b>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</b>	
Assessment by Advisor awaited					
<b>Comments from members of the Joint Meeting:</b>					

					Comment from WG Standards
<b>Decision of the STD's WG:</b>	Accepted Refused Postponed	Comments			

## Dispatch 2

<b>prEN 12493</b>	<b>LPG equipment and accessories - Welded steel pressure vessels for LPG road tankers - Design and manufacture</b>			<b>Where to refer in RID/ADR:</b> <b>6.8.2.6.1</b>	<b>Applicable sub-sections and paragraphs:</b> <b>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</b>
00286194					
Assessment by Advisor awaited					
<b>Comments from members of the Joint Meeting:</b>					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
<b>Decision of the STD's WG:</b>	Accepted Refused 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					
<b>Comments from members of the Joint Meeting:</b>					
					Comment from WG Standards
<b>Decision of the STD's WG:</b>	Accepted Refused Postponed	Comments			

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					
<b>Comments from members of the Joint Meeting:</b>					
					Comment from WG Standards

<b>Decision of the STD's WG:</b>	Accepted Refused Postponed	Comments	
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## Dispatch 3

<b>prEN ISO 17871</b>	<b>Gas cylinders - Quick-release cylinder valves - Specification and type testing (ISO/DIS 17871:2019)</b>	<b>Where to refer in RID/ADR: 6.2.4.1 closures</b>	<b>Applicable sub-sections and paragraphs: 6.2.3.1, 6.2.3.3 and 6.2.3.4</b>		
00023217			Assessment by Advisor awaited		
<b>Comments from members of the Joint Meeting:</b>					
					Comment from WG Standards
<b>Decision of the STD's WG:</b>	Accepted Refused Postponed	Comments			

**B. Standards at Stage 3 or 4: Submitted for Formal vote or Published**

Dispatch 1

<b>FprEN ISO 10961</b>		<b>Gas cylinders - Cylinder bundles - Design, manufacture, testing and inspection (ISO/FDIS 10961:2019)</b>		<b>Where to refer in RID/ADR 6.2.4.1</b>	<b>Applicable sub-sections and paragraphs: 6.2.3.1, 6.2.3.4</b>	
00023202						
Assessment by Advisor awaited						
Enquiry draft discussed by STD's WG in						
<b>Comments from members of the Joint Meeting:</b>						
Country	Clause No.	Comment (justification for change)		Proposed change	Comment from CEN Consultant	Comment from WG Standards
<b>Decision of the STD's WG:</b>		Accepted Refused Postponed	Comments	Proposed transition regulation	Applicable for new type approvals or renewals	Latest date for withdrawal of existing type approvals
				EN ISO 10961:2012	31 December 2022	
				EN ISO 10961:2019	Until further notice	

<b>FprEN 13922</b>		<b>Tanks for transport of dangerous goods - Service equipment for tanks - Overfill prevention systems for liquid fuels</b>		<b>Where to refer in RID/ADR</b> XXXX	<b>Applicable sub-sections and paragraphs:</b> XXXX	
00296100						
Assessment by Advisor awaited						
Enquiry draft discussed by STD's WG in						
<b>Comments from members of the Joint Meeting:</b>						
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.				
<b>Decision of the STD's WG:</b>		Accepted Refused Postponed		Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals

### **WIs of General purpose standards reaching soon publication (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. Replace “ISO 24431:2006” by “EN ISO 24431:2006”.
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 to EN 14025:2018 - 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.