

**ECONOMIC COMMISSION FOR EUROPE**  
**INLAND TRANSPORT COMMITTEE**

Joint Meeting of the RID Committee of Experts and the  
Working Party on the Transport of Dangerous Goods  
(Bern, 26-30 March, 2007 )  
Item 3 of the provisional agenda

**Working Document for the WG Standards**

Transmitted by the European Committee for Standardisation (CEN)

1. With reference to the Document **ECE/TRANS/WP.15/AC.1/2007/19** where CEN listed all CEN documents proposed for comments on the CEN dedicated website, the CEN consultant has received comments from Germany, Switzerland and UK, in addition to the one from Belgium, which had been the only one in the original version of this document.  
The assessments by the CEN consultant, as distributed by dispatch 1 and 2 is further input.  
**Appendix 1** will be used by the members of Standards WG during their “off-sessions” meeting to elaborate proposals to the Joint Meeting.
  2. It is noted that the Standards WG may be charged by the Joint Meeting with the preparation of proposals on how to proceed further with the standards on compatibility testing of packagings and IBCs, as requested by CEN in **ECE/TRANS/WP.15/AC.1/2007/12**.
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**Appendix 1**  
**Standards Working Group of the Joint Meeting ADR/RID**  
**8th meeting, Bern, 26-30 March, 2007**

**Comments on standards submitted by CEN before the meeting**

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

Dispatch from CEN dated 22 November 2006

Reference	Title of document	Where to refer in ADR/RID	Applicable sub-sections and paragraphs		
<b>prEN13082rev</b>	<b>Tanks for transport of dangerous goods - Service equipment - Vapour transfer valve</b>	<b>6.8.3</b>			
<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	1. Note 1	The note provides the possibility of using this standard for the construction of tubes of up to 500 litres water capacity. Will such use be permitted by RID/ADR? The phrase "may be used as a guide" suggests that full compliance with the standard is not expected above 150 l.	Clarify in the reference for which pressure receptacles the standard can be used.		
UK	6.1.1	The first sentence limits the application of its requirements to cylinders in international service, when, in fact service in national service is also possible. Recommend adding "national" as shown	. . . gas cylinders intended for <b>national and</b> international service. .		
UK	Forward; 9.2 Note; Bibliography	Update the reference to the 15 <sup>th</sup> Revision	Replace document designation by ST/SG/AC.10/1/Rev.15		
UK	Annex NA; Annex A	Annex A in the standard is already normative, so this requirement is unnecessary	Delete "Annex A shall be taken as normative."		
UK	Annex NA; B.2 Note	The meaning of "certification of the personnel should be reciprocated" is unclear.	Replace by "certification according to either standard should be accepted"		
UK	General	While the long term intention is to withdraw EN 1964-1 some overlap time will be required by cylinder manufacturers to get their type approvals converted to EN ISO 9809-1.	Retain the reference to EN 1964-1 when the reference to EN ISO 9809-1 is introduced.		
Germany	6.3.2.3	There is no clause A.2.4 in EN 12266-1:2003 (in the German version).	proposed change: change A.2.4 in A.2.3		

Reference	Title of document		Where to refer in ADR/RID	Applicable sub-sections and paragraphs	
<b>prEN ISO 9809-1</b>	<b>Gas cylinders — Refillable seamless steel gas cylinders - Design, construction and testing — Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 MPa (ISO/DIS 9809-1: 2006)</b>		<b>6.2.2 and 6.2.5</b>		
<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	1. Note 1	The note provides the possibility of using this standard for the construction of tubes of up to 500 litres water capacity. Will such use be permitted by RID/ADR? The phrase “may be used as a guide” suggests that full compliance with the standard is not expected above 150 l.	Clarify in the reference for which pressure receptacles the standard can be used.		
UK	6.1.1	The first sentence limits the application of its requirements to cylinders in international service, when, in fact service in national service is also possible. Recommend adding “national” as shown	. . . gas cylinders intended for national and international service.		
UK	Forward; 9.2 Note; Bibliography	Update the reference to the 15th Revision of the UN Model Regulations	Replace document designation by ST/SG/AC.10/1/Rev.15		
UK	Annex NA; Annex A	Annex A in the standard is already normative, so this requirement is unnecessary	Delete “Annex A shall be taken as normative.”		
UK	Annex NA; B.2 Note	The meaning of “certification of the personnel should be reciprocated” is unclear.	Replace by “certification according to either standard should be accepted”		
UK	General	While the long term intention is to withdraw EN 1964-2 some overlap time will be required by cylinder manufacturers to get their type approvals converted to EN ISO 9809-2.	Retain the reference to EN 1964-2 when the reference to EN ISO 9809-2 is introduced.		

Reference		Title of document		Where to refer in ADR/RID	Applicable sub-sections and paragraphs
prEN ISO 9809-2		<b>Gas cylinders - Refillable seamless steel gas cylinders - Design, construction and testing - Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1100 MPa (ISO/DIS 9809-2)</b>		6.2.2 and 6.2.5	
<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	1. Note 1	The note provides the possibility of using this standard for the construction of tubes of up to 500 litres water capacity. Will such use be permitted by RID/ADR? The phrase “may be used as a guide” suggests that full compliance with the standard is not expected above 150 l.	Clarify in the reference for which pressure receptacles the standard can be used.		
UK	6.1.1	The first sentence limits the application of its requirements to cylinders in international service, when, in fact service in national service is also possible. Recommend adding “national” as shown	. . . gas cylinders intended for <b>national and</b> international service. .		
UK	Forward; 9.2 Note; Bibliography	Update the reference to the 15 <sup>th</sup> Revision of the UN Model Regulations	Replace document designation by ST/SG/AC.10/1/Rev.15		
UK	Annex NA; Annex A	Annex A in the standard is already normative, so this requirement is unnecessary	Delete “Annex A shall be taken as normative.”		
UK	Annex NA; B.2 Note	The meaning of “certification of the personnel should be reciprocated” is unclear.	Replace by “certification according to either standard should be accepted”		
UK	General	While the long term intention is to withdraw EN 1964-1 some overlap time will be required by cylinder manufacturers to get their type approvals converted to EN ISO 9809-3.	Retain the reference to EN 1964-1 when the reference to EN ISO 9809-3 is introduced.		
Switzerland	11.2.2	Volumetric expansion test with permanent deformation is not allowed (ADR 6.2.1.5.1 (g))	Exclude this point in the standard table 6.2.2 of ADR		
Switzerland		This standard should only be mentioned in the ADR if the EN 1964-2 is retracted			

Reference	Title of document			Where to refer in ADR/RID	Applicable subsections and paragraphs
<b>prEN ISO 9809-3</b>	<b>Gas cylinders - Refillable seamless steel gas cylinders - Design, construction and testing - Part 3: Normalized steel cylinders</b>			<b>6.2.2 and 6.2.5</b>	
<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	1. Note 1	The note provides the possibility of using this standard for the construction of tubes of up to 500 litres water capacity. Will such use be permitted by RID/ADR? The phrase “may be used as a guide” suggests that full compliance with the standard is not expected above 150 l.	Clarify in the reference for which pressure receptacles the standard can be used.		
UK	6.1.1	The first sentence limits the application of its requirements to cylinders in international service, when, in fact service in national service is also possible. Recommend adding “national” as shown	. . . gas cylinders intended for national and international service. .		
UK	Forward; 9.2 Note; Bibliography	Update the reference to the 15th Revision of the UN Model Regulations	Replace document designation by ST/SG/AC.10/1/Rev.15		
UK	Annex NA; Annex A	Annex A in the standard is already normative, so this requirement is unnecessary	Delete “Annex A shall be taken as normative.”		
UK	Annex NA; B.2 Note	The meaning of “certification of the personnel should be reciprocated” is unclear.	Replace by “certification according to either standard should be accepted”		
UK	General	While the long term intention is to withdraw EN 1964-1 some overlap time will be required by cylinder manufacturers to get their type approvals converted to EN ISO 9809-3.	Retain the reference to EN 1964-1 when the reference to EN ISO 9809-3 is introduced.		

Switzerland	7.2	As stated by the consultant the F factor is extended to 0.85 instead of 0.77. The explanation is not traceable. What is a global safety Factor of 0.65?  The burst ratio pb/ph is not as mentioned by the consultant 1.6. With the formula in 7.2 it could be even less than 1.5 as recommended in ADR 4.1.3.6.1	A minimum burst ratio of 1.6 has to be added in the standard table 6.2 .2 of ADR		
Switzerland	11.2.2	Volumetric expansion test with permanent deformation is not allowed (ADR 6.2.1.5.1 (g))	Exclude this point in the standard table 6.2.2 of ADR		
Switzerland	13	The second clause is not in accordance with ADR, there is no temperature indication foreseen and either the standard or the type approval may be mentioned.	Exclude this point in the standard table 6.2.2 of ADR		
Switzerland		This standard should only be mentioned in the ADR if the EN 1964-1 is retracted			

Reference	Title of document		Where to refer in ADR/RID	Applicable subsections and paragraphs	
<b>prEN 15551</b>	<b>Railway applications – Freight wagons – Buffers</b>		<b>6.8.4 b)</b>	<b>TE22</b>	
<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
Belgium		Les tampons à course de 75 mm et les tampons à plateaux circulaires ne sont pas repris dans ce projet de norme. Or ces types de tampon sont admis selon les fiches UIC 526-3 et 527-2 et existent toujours. La norme devrait donc être complétée pour tenir compte de ce type de matériel. (Other types of Buffers, which are allowed and used should also be included in the standard)		The requirements of 6.8.4 TE22 and UIC 473 are adequately covered by the requirements of Annex I.  Comment on suggestion by B: The application of standards referenced in RID does not preclude other solutions in line with the legal requirements. Old solutions may be grandfathered.	
UK	Contents and Clause 9	Change heading of Clause 9 “Crash buffers”	“Crashworthy buffers with crashworthy components compliant with RID”		

UK	Contents and Annex H	Change “crash buffers” in heading of Annex H to read “crashworthy buffers”			
UK	1, Scope 6 <sup>th</sup> paragraph	Change the paragraph reading “It also defines the requirements of buffers integrated crash element for tank wagons according to RID”	It also defines the requirements for buffers <u>with</u> integrated crash elements ( <u>crashworthy buffers</u> ) <del>for</del> <del>tank wagons</del> according to RID.		
UK	9, 1 <sup>st</sup> paragraph	Change the first word “Crash . . .”	“ <u>Crashworthy</u> buffers . . .”		
UK	9, last paragraph	Change as shown	Crashworthy components <u>compliant with RID subsection 1.6.3.27 and section 6.8.4</u> shall comply with the provisions of Annex I		
UK	Annex H, Note	Change “crash buffers ” to “crashworthy buffers”			
UK	Annex I	To avoid any confusion over the dates of application of this standard particularly the period between 1 January 2005 and the date of implementation of the standard, the heading of I.1.2 “For new wagons” should be changed.	I.1.2 For wagons built after 31 December 2004		

**B. Standards at Stage 3: Submitted for Final Voting**

Dispatch from CEN dated 25 August 2006

Reference	Title of document	Where to refer in ADR/RID	Applicable sub-sections and paragraphs
EN 13222-2:2003/prA1	Transportable gas cylinders - Refillable welded steel gas cylinders - Design and construction - Part 2: Stainless steel	6.2.2	6.2.1.1 and 6.2.1.5

**Comments from members of the Joint Meeting:**

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
				This small amendment (1 page) modifies the requirements for radiographic examination of table A1 for joggle joints in order to be more practical for two pieces cylinders and in line with figure A1 (and not B1 as noted in the amendment) for three pieces.	

<b>Decision of the Standards Working Group:</b>	<b>Accepted:</b> <input type="checkbox"/> <b>Refused:</b> <input type="checkbox"/>	<b>Comments:</b>
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Dispatch from CEN dated 22 November 2006

Reference	Title of document	Where to refer in ADR/RID	Applicable sub-sections and paragraphs
prEN 14894fv	LPG Equipment and accessories –Cylinder and drum marking	6.2.2	6.2.1.7

**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	Whole standard	It is perfectly possible from reading the regulations to know whether a pressure receptacle is correctly stamped or not. This standard is a useful guide for the industry, but adds no value to the regulations.	Do not reference this standard in the regulations		
UK	Table 1 and Table 3	The footnote is misleading. The UN Model Regulations do not specify the marks to be used – in fact they say no more than the standard i.e. “as indicated by the distinguishing signs of motor vehicles in international traffic;”	Delete both footnotes		

<b>Decision of the Standards Working Group:</b>	<b>Accepted:</b> <input type="checkbox"/> <b>Refused:</b> <input type="checkbox"/>	<b>Comments:</b>
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