

**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, 25-28 March 2008

Agenda item 3

**STANDARDS**

Information on work in progress in CEN

Transmitted by the European Committee for Standardisation (CEN)

As agreed at the September 2005 session, the CEN consultant will advise the Joint Meeting of work in progress in CEN which will result in standards intended to be referenced in the RID/ADR/ADN.

Since the last session of September 2007, CEN has issued to all ADR/RID members four dispatches of standards to be consulted on the dedicated CEN webpage. Two of these standards are at Step 2 and ten at Step 3 of the approval process. ADR/RID members were invited to send comments according to the model in Appendix (English only) to the CEN consultant at [karol\\_wieser@yahoo.de](mailto:karol_wieser@yahoo.de) before 17.12.2007, 31.1.2008, 29.2.2008 and 21.3.2008, respectively.

The CEN consultant has consolidated all comments in the revision to this document which will be reviewed by the Joint Meeting working group on standards that will meet at lunch breaks during the Joint Meeting session of March 2008. In addition, the document includes the results of the consultant's assessments because those are referred to by some members and in order to facilitate a comprehensive view and discussion.

To encourage an early engagement in the standardizing process CEN has the pleasure to inform, that additional work items have been added to the work program of the concerned standardizing bodies, as summarized in the following table.

Many more standards have been decided to be revised as required by CEN rules at a frequency of 5 years or to be reviewed for adaptation to the progress made in science and technology.

## New Standardizing projects – newly put on the work program or expected to see first working drafts in 2008

Responsible standard body	Work item no.	Reference	Title	Remarks
CEN TC23/SC2	'00023138	prEN ISO 11114-1	Transportable gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 1: Metallic materials (ISO/NP 11114-1:2007)	ISO led projects under the VA
CEN TC23/SC2	'00023139	prEN ISO 11114-2	Transportable gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 2: Non-metallic materials (ISO/AWI 11114-2:2007)	
CEN TC23/SC2	'00023140	prEN ISO 11114-3	Transportable gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 3: Autogenous ignition test in oxygen atmosphere (ISO/AWI 11114-3:2007)	
CEN TC23/SC2	'00023141	prEN ISO 13341	Transportable gas cylinders - Fitting of valves to gas cylinders (ISO/CD 13341:2007)	
CEN TC23/SC3/WG2	'00023142		Transportable gas cylinders - Cylinder bundles - Periodic inspection and testing	
CEN TC23/SC1/WG5	'00023143	prEN ISO 11118	Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods (ISO/NP 11118:2007)	ISO led project under the VA
CEN TC256/ WG20	'00256267	prEN 12561-1	Railway applications - Tank wagons - Part 1: Marking of tank wagons for the carriage of dangerous goods	
CEN TC256/ WG20	'00256268	prEN 12561-2	Railway applications - Tank wagons - Part 2: Bottom emptying devices for liquid products including vapour return	These WI's may compete with EN 14025.
CEN TC256/ WG20	'00256269	prEN 12561-3	Railway applications - Tank wagons - Part 3: Bottom filling and emptying devices for gases liquefied under pressure	
CEN TC256/ WG20	'00256280	prEN 12561-4	Railway applications - Part 4: Top devices for top emptying and filling of liquid products	
CEN TC256/ WG20	'00256281	prEN 12561-5	Railway applications - Part 5: Top devices for bottom emptying and top filling of liquid products	
CEN TC256/ WG20	'00256282	prEN 12561-6	Railway applications - Part 6: Manholes	
CEN TC256/ WG20	'00256284	prEN 12561-8	Railway applications - Part 8: Heating connections	
CEN TC268	'00268054	EN 14398-2:2003/prA2	Cryogenic vessels - Large transportable non-vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing	
CEN TC296/WG6	00296043	prEN 14512 rev	Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Hinged manhole covers and neckrings with pivoting bolts	
CEN TC296/WG8	'00296044	EN 14116:2007/prA1	Tanks for transport of dangerous goods - Digital interface for the product recognition device	These WI's may have the character of supportive standards.
CEN TC296/WG8	'00296045		Tanks for transport of dangerous goods - Digital interface for the data transfer between tank vehicle and with stationary facilities	

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

### 1. Dispatch from CEN dated 21.11.2007

prEN ISO 7866	Gas cylinders – refillable seamless aluminium alloy gas cylinders	Where to refer in ADR/RID: 6.2.4 , Table, “for design and construction”	Applicable sub-sections and paragraphs: 6.2.3.1 and 6.2.3.4
<b>CEN consultants assessment dated 12.11.2007</b>			Comment from WG Standards
Foreword	The text submitted is not yet in the prEN ISO DIS format and relevant paragraphs missing.	Add clauses such as: “This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports the objectives of the framework Directives on Transport of Dangerous Goods. This standard is submitted for reference into the RID and/or in the technical annexes of the ADR.”	
2	ISO 20703 is not applicable to seamless aluminium cylinders, but to welded aluminium cylinders.	Shift it to Bibliography	
4	Explanation for F refers back to clause 3.6; however 3.6 is concerned with mass	Amend to 3.4	
5	Clause 5 does not adequately address the ADR/RID regulations and uses terms.	Add a note, similar to the following: “NOTE: Cylinders, subject to the provisions of ADR/RID need to be assessed for conformity with these regulations, including detailed procedures at the time of manufacture as required by the competent authority and shall be inspected, tested and approved by an inspection body.”	
6.1.1, Table 1	Alloy 6351A has proven to cause problems in practise and should no longer be included.	Deletion suggested	
7.6, 2 <sup>nd</sup> para.	The weight of the empty cylinder in N is specified here.	In line with the SI-unit-system, the mass in kg should be used.	
Annex E	So far, Annex E is only referenced under 10.2.2. – Tensile test. However, Annex E is a major extension of the design and design type testing rules.	Add reference to Annex E under clauses 7 and 9.	
Annex F	Annex F isn't referenced at all in the main text.	An adequate sentence with a reference to Annex F is suggested under clause 11.	
Bibliography	ADR/ RID will need to be quoted in the EN ISO standard. This requires that these legal documents are added to the Bibliography	Add ADR and RID as additional titles	
	ISO 20703 is not applicable to seamless aluminium cylinders, but to welded aluminium cylinders.	Shift it to Bibliography	

<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	2	ISO 20703 is not a normative reference; welding is forbidden in this standard. The mention of this standard in clause 8 is for peripheral information only.	Remove to the Bibliography, and/or delete the reference to the standard.	Supported	
NL	6.1.1 (table 1)	In support to the observations of the CEN consultant, the material "Alloy 6351A" is not to be included in the table.	Delete the material from the table or exclude in the table in 6.2.5.2.1 like is done for "Alloy 6351" for ISO 7866:1999.		
UK	7.2 Note	The phrase "permanent gas" is used neither in the RID/ADR nor in EN ISO 10286:2007 Gas Cylinders – Terminology	Replace by "compressed gas"	Supported	
UK	11.2.2	The volumetric expansion test specified in this clause is forbidden in the RID/ADR 6.2.3.4.1.	Forbid the use of this clause in the European Annex or in the RID/ADR reference	There is still the option to introduce in ADR/RID the allowance of a 5% permanent volumetric deformation under controlled conditions of the initial test to account for geometrical imperfections.	
UK	Annex C	Agree Consultant's observation that this does not strictly comply with RID/ADR 1.8.7.2.3	Adaptation to RID/ADR should be in the European Annex	Supported; however, 1.8.7.2.3 and 1.8.7.4.3	
UK	Annex D	Agree Consultant's observation that this does not strictly comply with RID/ADR 1.8.7.4.3	Adaptation to RID/ADR should be in the European Annex	are not amongst the applicable paragraphs	
UK	Annex F	This Annex will remain informative in the ISO standard	The European Annex could make this Annex normative, but the decision is not yet taken.	Acceptable compromise	
NL	Annex F	To accept cylinders based on this standard, rejection criteria for defective cylinders needs to be known. It might be arguable that UN/ADR-RID does not included a basic requirement to enforce this guidance as a normative annex for UN cylinders. Comparable standards (i.e. SO 9809-1) do have this criteria included as normative.	Annex F to be normative	See UK proposal above	
UK		Standard is acceptable, as proposed in the Consultant's assessment.			
<b>Decision of WG Standards</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>	<b>Comments:</b>		

<b>prEN 12245 rev</b>	<b>Transportable gas cylinders – fully wrapped composite cylinders</b>	Where to refer in ADR/RID: <b>6.2.4</b> , Table, “for design and construction”	Applicable sub-sections and paragraphs: <b>6.2.3.1, 6.2.3.5 and 6.2.5.5</b>
<b>CEN consultants assessment dated 9.11.2007</b>			Comment from WG Standards
Foreword, 3 <sup>rd</sup> para.	The revised standard will also supersede the 2002 version.	Amend the sentence accordingly.	
Foreword, 5 <sup>th</sup> para.	There is no Annex ZA, nor does Annex B declare the relationship with EU Directives. The relationship with ADR/RID and its precedence over the standard is also not indicated.	Delete this sentence or add an Annex indicating this relationship Add a note: “NOTE: Cylinders according to this standard are subject to the regulations of ADR/RID, Chapter 6.2”	
Foreword, 6 <sup>th</sup> para.	The Joint Meeting decided in September 2007, that the statement <i>“The standards listed in the normative references and covering the basic requirements of the RID/ADR not addressed within the present standard are normative only if the standards themselves are referred to in the technical annexes of RID/ADR.”</i> shall no longer be added to standards, related to ADR/RID.	Delete the 2 <sup>nd</sup> sentence.	
Scope, Note 1	The term “tubes” is not self-reading and could be misunderstood.	Add a definition in brackets, such as: “(seamless transportable pressure receptacle of a water capacity exceeding 150 litres and of not more than 3000 litres)”	
Scope, Note 2	The term “The specification” is not clear. Should it read “The standard”?	Amend term.	
2, Ref. EN ISO 11114-4	This standard is also referenced directly in ADR/RID. However, method C of clause 5.3 as in issue 2005 (constant load test procedure on resistance against hydrogen embrittlement) is exempted.	For compliance with ADR/RID this test method should also be exempt.	
3.2, Symbol p <sub>h</sub>	Requirements on minimum test pressures are not part of the standard, in contrast to ADR/RID.	A note should be added, referring generally to ADR/RID regulations on minimum test pressures	
4.1	The requirements of this clause do not fully address to ADR/RID regulations on the manufacturing of cylinders. This concerns the new requirement for a manufacturer to apply an approved quality system.	A note should be added similar to: “NOTE” ADR/RID require that cylinders shall be manufactured under a quality assurance system, conforming to the requirements of the competent authority.”	
4.1.1, 4 <sup>th</sup> para., 2 <sup>nd</sup> sentence	This requirement on minimum burst pressure is mal-placed under “Design drawings”. It is already included under 5.2.5.2 a).	Deletion under 4.4.1 suggested	
5.2.1.1.1, b)	There are only three question marks	Add value	
5.2.11.1, structuring	Compared with the structure of the other test requirements, the test criterion here has no numbering	Suggest including new para. “5.2.11.2 Criteria” with 5 <sup>th</sup> sentence and note of 5.2.11.1 as text.	
5.2.9.2, numbering	Inconsistent numbering	Should read 5.2.9.1.3 with consequential renumbering of following paragraphs.	

5.2.17.1, last sentence	The term "label" could conflict with the danger labels as required by ADR/RID to indicate the danger(s) of the contents of a packaging. (see also comment on clause 7)	The term should be replaced by some other expression, such as"... this shall be additionally marked on the cylinder (see Clause 7)."			
6	This clause and Annex A do not fully describe requirements, procedures and formalities on conformity assessments, as required by ADR/RID.	As a minimum, a note should be added to clause 6 similar to the following: "NOTE: Prototype testing, the approval of design and design variant types, the conformity inspection and testing of manufactured cylinders including the qualification and authorization of acting bodies are subject to the regulations of ADR/RID."			
7	This sentence is conflicting with the provisions of ADR/RID. This concerns the use of the term "label" and the requirement, that additional marking shall be applied apart from the official marking.	A note should be added similar to: "NOTE The marking of cylinders is subject to the ADR/RID regulations. These require that additional marking shall not conflict with required marks. This is achieved if the additional marking is separated from required marks by a space."			
Bibliography	Some of the titles are no longer quoted in the standard, such as EN 144-1, EN 962, 1089-2/ -3, EN 1800, EN 11623 and the TPED-Directive.	Delete unnecessary titles			
<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	Annex B	The certificates do not meet the requirements of 2009 RID/ADR 1.8.7.2.3 and 1.8.7.4.3	Add the missing elements	Supported; however, 1.8.7.2.3 and 1.8.7.4.3 are not amongst the applicable paragraphs	
UK		Standard is acceptable, as proposed in the Consultant's assessment.			
<b>Decision of WG Standards</b>	Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>		

## B. Standards at Stage 3: Submitted for Formal Voting

### 1. Dispatch from CEN dated 21.11.2007

<b>prEN ISO 11117</b>		<b>Gas cylinders – Valve caps and valve guards – Design, construction and tests</b>	Where to refer in ADR/RID: Table to 4.1.6.14	Applicable sub-sections and paragraphs: <b>4.1.6.8</b>	
<b>CEN consultants assessment dated 12.10.2007</b>					Comment from WG Standards
3.3	Permitted weight: "Weight" is no SI-unit.		Acc. to the commitment of EN and ISO on the application of SI-units, this definition should be amended to "permitted mass" and replaced in 6.1, 6.7.4, 6.7.9, 6.7.10 and 7 before publication.		
UN/ADR/RID 4.1.6.8 (e), (f)	In order to avoid any misunderstanding of the term packaging (which could be the receptacle or the outer box) and a possible conflict between standard and regulations, the text of (f) is suggested to be amended to:		<i>"For UN pressure receptacles the <del>packaging</del> package as prepared for carriage shall be capable of meeting the drop test specified in 6.1.5.3 at the packing group I performance level."</i>		
<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 and CH	6.7.2	The incorrect reference to 6.7.2 should be changed	Change reference to 6.7.3	Supported	
UK	General; the Consultant's comment on weight	The use of the word mass instead of weight has been discussed at length by CEN/TC23 and ISO/TC58. This has resulted in a general policy decision to use "weight" since this is the term used by cylinder fillers who allegedly do not understand the scientific difference between mass and weight.			
UK		Standard is acceptable, as proposed in the Consultant's assessment.			
<b>Decision of the STD's WG:</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>	

## 2. Dispatch from CEN dated 17.12.2007

prEN 14025 rev		Tanks for the transport of dangerous goods – Metallic pressure tanks – Design and Construction	Where to refer in ADR/RID: 6.8.2.6, Table “For all tanks”	Applicable sub-sections and paragraphs: 6.8.2.1	
<b>CEN consultants assessment dated 21.10.2007</b>					
The findings of this assessment, based on the text, as distributed in Sept. 2007, have been addressed adequately in the final text submitted to the formal vote.					
<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
CH	5.3 and 5.4	Standard reference EN 13094:2004	Adapt the reference to EN 13094:2008	Supported; however CEN editing rules may be against.	
CH	5.4	The requirements for vacuum-operated waste tanks envisage a "protected area".	Add a new paragraph after ...EN 13094:2004: <i>“The equipments of vacuum-operated waste tanks are protected if placed in a "protected area" conform to RID/ADR 6.10.1.1.1”.</i>	May be better added as a NOTE.	
NL	5.4	The second paragraph of 5.4 needs to be amended to represent the intention that tanks need to have protection for the service equipment on top of the tank with exception of tank containers with a full frame.	Split the second paragraph up in two after the first sentence or amend the text to read: <i>“Equipment shall be protected by strengthening rings, protective canopies or transverse or longitudinal members. The protection shall comply with clause 6.13 of EN 13094. In the case of tank containers with a skeleton structure (frame) equipment is considered to be protected.”</i>	Supported	
NL	5.4	It is proposed to change reference to EN 13094: 2008. The part concerning the protection in the revised EN 13094 is modified to improve the application in practice and new options for protection are included.	Amend reference to EN 13094:2004 to EN 13094:2008.	Supported	
CH	6.2	no brackets for “if applicable”	brackets for [if applicable]	?; brackets have been removed in the final version. “If applicable” may be dropped at all.	
CH	6.3.3.4	Equation e must have an index R	To conform with symbols in clause 3.2, “e <sub>R</sub> “ for wall thickness of a hemispherical end shall be used	Supported	
Fr		EN 14025 often makes reference to some parts of EN13445.	To be more user friendly, EN 14025 should in the future include the parts of EN 13445 which must be applicable.	To be considered for next revision	

Fr	6.3.4.3.3	Typing error in the sentence before (24) and (25)	" $l_k$ " shall be replaced by " $l_2$ ";	Subject to FV adoption procedure	
Fr	6.3.5.2, Figure 7	Typing errors in figures c) and e). Furthermore $A_{pb}$ is not mentioned	$A_p$ shall be replaced by $A_{ps}$	Subject to FV adoption procedure	
Fr	6.3.6.4	Typing error for m in (53)	- m is a gasket factor to be taken from Table 3 ;	Subject to FV adoption procedure	
Fr	7.1.1	EN 13445-4 is applied to the construction in addition to the requirements of EN 14025. EN 13445-4 welding coefficients are not consistent with RID/ADR and 7.4.3.1 ones.	To avoid misinterpretation, it is suggested to add: « For weld test piece, EN 13445-4 is only applied for tanks whose $\lambda_s$ is equal to 1. »	Technical issue; may lead to the exemption of 7.1.1	
Fr	7.4.1.1	EN ISO 3834-1, -2 and -3 are referred to without specifying any welding quality level. It would be more relevant to refer to EN ISO 3834-2 only.	It is suggested to <u>delete</u> « EN ISO 3834-3 ».	Unclear; 7.4.1.1. requires that "...Fabricators of welded shells shall have a <u>welding system</u> in operation, which is <u>generally</u> in accordance with the <u>principles</u> of EN ISO 3834-1, EN ISO 3834-2 and EN ISO 3834-3.	
Fr	7.4.1.2	This section takes new standards related to welding procedures into account. It might be relevant to add the previous standards (EN 288-3 and EN 288-4) in order to use their welding procedures as well.	It is suggested to add: « Welding procedures approved in accordance with EN 288-3 and EN 288-4 may still be used. »	Technical issue	
Fr	7.4.3.2	EN 1435 defines 2 types of examination: Class A: basic techniques Class B: improved techniques	It is suggested to add « Class B » after EN 1435.	Technical issue	
Fr and CH	7.4.3.3	Level B of EN 30042 for aluminium tanks/ EN ISO 10042 supersedes EN 30042.	Replace « EN 30042 » by « EN ISO 10042 ».	No objections	
Fr	8.2 and 8.3		To avoid misinterpretation, it is suggested to modify the title as follow: "Repairs during construction "	Clarification supported	
<b>Decision of WG Standards</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>	

prEN 13094 rev		Tanks for the transport of dangerous goods – Metallic tanks with a working pressure not exceeding 0,5 bar – Design and construction		Where to refer in ADR/RID: Table to 6.8.2.6 under “For tanks intended for the carriage of liquid...”	Applicable sub-sections and paragraphs: 6.8.2.1
<b>CEN consultants assessment dated 4.12.2007</b>					
The findings of this assessment, based on the text, as distributed in Sept. 2007, have been addressed adequately in the final text submitted to the formal vote.					
<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		Standard is acceptable, as proposed in the Consultant’s assessment.			
Fr	5.3.1	This text is going too far. In 6.8.2.3 of ADR and in 5.2.1.1 of EN 12972, the list is not required in all cases.	Add “If required” at the beginning of the sentence.	Would conform to 6.8.2.3.1 5 <sup>th</sup> indent; however, standards may impose stronger rules, if agreed.	
CH	5.3.4	Standard: flashpoint 61°C but in ADR: 60°C	Adapt the standard with: flashpoint 60°C	Supported	
CH	6.8.2.1, 1 <sup>st</sup> para.	...in accordance with 6.8.2.2 to <u>6.8.2.4</u> , → 6.8.2.4 is not existing	Adapt: ...the accordance with 6.8.2.2 to 6.8.2.3!	Supported (in the final version it shall read “6.9.2.2 to 6.9.2.3”)	
CH	6.10	Requirement of ADR for surge plates (6.8.2.1.22): The area of the surge plate shall be at least 70% of the cross-sectional area of the tank in which the surge-plate is fitted.	Adapt the standard for surge plate with the requirements of the ARD	ADR req.’ is implemented in definition of surge plate in Clause 3.1.12	
Fr	6.11.3	This requirement is more severe than ADR which requires the same thickness for the partitions and baffles only in 6.8.2.1.20 b)1 an 6.8.2.1.21.	Add “for the case of 6.9.2.2 a) and 6.9.2.3”.	Standards may impose stronger rules, if agreed.	
Fr	6.14.1.1 and 6.14.1.4	6.4.1.1 makes a clear reference to 6.14.2 which means that one of the protections described has to be applied (“the protection shall be in accordance with 6.14.2”). 6.14.1.4 requires a calculation and says in the second sentence that this is deemed to be met when the protection conforms to 6.14.2. The calculation doesn’t seem necessary. Another interpretation is you don’t have to fulfil 6.14.2. when a calculation is done. This needs to be clarified.		Support clarification	
Fr	7.4.1.1	EN ISO 3834-1 is referred to without specifying any welding quality level. It would be more relevant to add a reference to EN ISO 3834-2.	It is suggested to add « and EN ISO 3834-2 ».	7.4.1.1. requires to apply a welding quality <u>system</u> ; quality levels need additionally be specified	

Fr	7.4.4.1 and 7.4.4.2	EN 5817 is an ISO standard.	Replace « EN 5817 » by « EN ISO 5817 ».	To be resolved by FV procedure	
<b>Decision of WG Standards</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>	<b>Comments:</b>		

<b>EN 13152:2001 +A1:2003</b>	<b>Specification and testing of LPG cylinder valves - Self closing</b>		<b>Where to refer in ADR/RID:</b> <b>6.2.4 , Table, “for closures”</b>	<b>Applicable sub-sections and paragraphs:</b> <b>4.1.6.8 and 6.2.3.3</b>	
<b>CEN consultants assessment dated 27.12.2007</b>					<b>Comment from WG Standards</b>
Foreword, 5 <sup>th</sup> para., 2 <sup>nd</sup> sentence	The Joint Meeting decided in September 2007, this sentence should no longer be added to standards, related to ADR/RID.		Delete this sentence.		
3, Normative references	The three last references are indicated as Draft Standards. However, EN 12864 is no longer active and the last two references have been approved and amended meanwhile.		Remove or replace EN 12864 and quote the published, amended versions of EN 13175 and 13953.		
4.5.2	prEN 12864 is referred to. This standard is no longer active.		Replace reference by another standard or remove clause.		
5.3.7, Table 3, lines 3 and 4	For a diameter of 28,8 mm there are two different torques indicated: 200 and 250 Nm. This duplicity need to be removed.		Either 1 <sup>st</sup> column of line 4 should be amended to read: >19,8, or 1 <sup>st</sup> column of line 3 should be amended to read: >19,8 < 28,8. According to the solution used in the related ISO 14245, the second option should be preferred.		
5.3.8.3	The term weight doesn't comply with the SI- unit terminology.		Replace “weight” by “mass”.		
Bibliography	RID and ADR are mentioned in the Introduction. However, references are missing in the Bibliography		Add references to RID and ADR similar to: [2] UNITED NATIONS. <i>European agreement concerning the international carriage of dangerous goods by road. ECE/TRANS/140. Geneva: Economic Commission for Europe Inland Transport Committee, 2003</i> <sup>1)</sup> . [3] INTERGOVERNMENTAL ORGANISATION FOR INTERNATIONAL CARRIAGE BY RAIL (OTIF). <i>Regulations concerning the International Carriage of Dangerous Goods by Rail, 2001</i> <sup>2)</sup> . with footnotes: <sup>1)</sup> Commonly known as ADR., <sup>2)</sup> Commonly known as RID.		
<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	Foreword	The final sentence should be deleted in line with the decision of the Joint Meeting		Supported	
UK	Annex C, second indent	The terms “external leakage test” and “seat leakage test” do not appear in the standard	Use the names given to the tests and preferably give the clause number.	Supported	

UK		The amendment is acceptable, as proposed in the Consultant's assessment.			
<b>Decision of WG Standards</b>	Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>		

<b>EN 13153:2001 +A1:2003</b>	<b>Specification and testing of LPG cylinder valves – Manually operated</b>		<b>Where to refer in ADR/RID:</b> 6.2.4 , Table, “for closures”	<b>Applicable sub-sections and paragraphs:</b> 4.1.6.8 and 6.2.3.3	
<b>CEN consultants assessment dated 27.12.2007</b>					Comment from WG Standards
Foreword, 5 <sup>th</sup> para., 2 <sup>nd</sup> sentence	The Joint Meeting decided in September 2007, this sentence should no longer be added to standards, related to ADR/RID.		Delete this sentence.		
3, Normative References	The three last references are indicated as Draft Standards. However, EN 12864 is no longer active and the last two references have been approved and amended meanwhile.		Remove or replace EN 12864 and quote the published, amended versions of EN 13175 and 13953.		
4.5.2	prEN 12864 is referred to. This standard is no longer active.		Replace reference by another standard or remove clause.		
5.3.7.3	The term weight doesn't comply with the SI- unit terminology.		Replace “weight” by “mass”.		
<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	Foreword	The final sentence should be deleted in line with the decision of the Joint Meeting		Supported	
UK	Annex D, second indent	The terms “external leakage test” and “seat leakage test” do not appear in the standard	Use the names given to the tests and preferably give the clause number.	Supported	
UK		The amendment is acceptable, as proposed in the Consultant's assessment.			
<b>Decision of WG Standards</b>	Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>		

### 3. Dispatch from CEN dated 24.1.2008

<b>prEN 12807:2007</b>		<b>LPG Equipment and accessories – Transportable refillable brazed steel cylinders for liquefied petroleum gas (LPG) – Design and construction</b>	Where to refer in ADR/RID: <b>6.2.4</b> , Table, “for design and construction”	Applicable sub-sections and paragraphs: <b>6.2.3.1</b> and <b>6.2.3.4</b>	
<b>CEN consultants assessment dated 20.4.2007</b>					Comment from WG Standards
10	So far, EN 14894 has not been accepted as standard to be referenced in ADR/RID. As long as this situation continues, a reference to EN 12807 would need to exempt clause 10.				
11	This clause is considered not acceptable because it doesn't reflect the principle of the required design type approval, which in itself shall declare the conformity of the design type with the ADR/RID, EN 12807 respectively. As a consequence, certificates on manufactured batches of cylinders shall declare its conformity with the design type approval. In addition, the heading could be improved to account for the fact, that there are two types of certificates				
<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
CH	5.1.3	The test pressure has to be in accordance with RID/ADR, P200. The test pressures are given for LPG and do not automatically correspond to the pressure at 65C.	Change this sentence to the values in accordance with RID/ADR.	The NOTE to clause 5.1.3 clearly refers to the ADR req.'s on test pressures to be applied. However, it seems that guidance on the correlation of calculation and test pressures are needed.	
CH	10	Agree with CEN consultant to exempt clause 10			
UK	10	EN 14894 has been presented to the Standards Working Group for inclusion in the RID/ADR and the WG found it was in conformity with the RID/ADR 2007. However, we declined to reference it since there would be a conflict if the regulations changed and the standard added no value to the regulations. It follows that an undated reference is unsatisfactory as a normative requirement.	Replace EN 14894 with “relevant regulations”. Insert a note “EN 14894 gives information on stamping in accordance with the regulations current at its time of publication”	Supported; would appreciate if marking provisions wouldn't be duplicated in standards.	
UK	11	Agree the Consultant's comment; the certificate should state compliance with the type approval			
UK	General	Standard is otherwise acceptable, as proposed in the Consultant's assessment.			
<b>Decision of WG Standards</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>	

<b>prEN 13081:2006</b>	<b>Tanks for transport of dangerous goods — Service equipment for tanks — Vapour collection adaptor and coupler</b>	Where to refer in ADR/RID: Not to be referenced; supportive standard	Applicable sub-sections and paragraphs: <b>None</b>		
<b>CEN consultants assessment dated 19.1.2008</b>					
This standard should still be considered as a supporting document ...					
<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	Agree that this is a supporting standard.			
<b>Decision of WG Standards</b>	Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>		

<b>prEN 13082:2006</b>	<b>Tanks for transport of dangerous goods — Service equipment for tanks — Vapour transfer valve</b>	Where to refer in ADR/RID: <b>Table to 6.8.2.6</b> under “ <i>For tanks intended for the carriage of liquid...</i> ”	Applicable sub-sections and paragraphs: <b>6.8.2.2 and 6.8.2.4.1</b>		
<b>CEN consultants assessment dated 19.1.2008</b>					
Foreword	With respect to the general clause on normative references added to the foreword of standards related to the ADR/RID the Joint Meeting decided in September 2007, that the second sentence “ <i>Therefore in this context the standards listed in the normative references and covering basic requirements of the RID/ADR not addressed within the present standard are normative only when the standards themselves are referred to in the RID and/or in the technical annexes of the ADR.</i> ” should no longer be added.				
<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	The standard is acceptable with the editorial change mentioned by the Consultant			
<b>Decision of WG Standards</b>	Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>		

<b>prEN 13083:2006</b>	<b>Tanks for transport of dangerous goods — Service equipment for tanks — Adaptor for bottom loading and unloading</b>		Where to refer in ADR/RID: Not to be referenced; supportive standard	Applicable sub-sections and paragraphs: <b>None</b>	
<b>CEN consultants assessment dated 19.1.2008</b>					
“...This standard should still be considered as a supporting document ....”					
<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	3.3	The definition of interlock as “a device which can be used to initiate or prevent an action” has no useful meaning	Add “to prevent an unsafe condition occurring”	Supported	
UK	General	Agree that this is a supporting standard.			
<b>Decision of WG Standards</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>	<b>Comments:</b>		

<b>EN ISO 15996:2005 +prA1</b>	<b>Gas cylinders – Residual pressure valves – General requirements and type testing (ISO 15996:2005/FDAM 1:2007)</b>		Where to refer in ADR/RID: Not to be referenced; supportive standard	Applicable sub-sections and paragraphs: <b>4.1.6.8 and 6.2.3.3</b>	
<b>CEN consultants assessment dated 15.08.2007</b>					
“Standard including amendment is no candidate to be referenced in ADR/RID.”					
<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	Agree that this standard is not relevant to the regulations.			
<b>Decision of WG Standards</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>	<b>Comments:</b>		

#### 4. Dispatch from CEN dated 27.2.2008

<b>prEN 13081:2006</b>	<b>Tanks for transport of dangerous goods — Service equipment for tanks — Vapour collection adaptor and coupler</b>		Where to refer in ADR/RID: Not to be referenced; supportive standard	Applicable sub-sections and paragraphs: <b>None</b>	
<b>CEN consultants assessment dated 20.4.2007</b>					
“The amendments as result of the public enquiry have no impact on the conclusion of the earlier assessments that this standard is to be considered as a supportive standard... “					
<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	Agree that this FV version is still considered a supporting standard.			
<b>Decision of WG Standards</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>	<b>Comments:</b>		

<b>prEN 13082:2006</b>		<b>Tanks for transport of dangerous goods — Service equipment for tanks — Vapour transfer valve</b>	Where to refer in ADR/RID: <b>Table to 6.8.2.6</b> under “ <i>For tanks intended for the carriage of liquid...</i> ”	Applicable sub-sections and paragraphs: <b>6.8.2.2</b> and <b>6.8.2.4.1</b>	
<b>CEN consultants assessment dated 19.01.2008</b>					
“It is confirmed that the revised version of the standard could replace the issue 2001 in the reference in the table to 6.8.2.6 of ADR/RID provided that this is supported by the STDs WG and that the second sentence of the paragraph dedicated to referenced standards in the introduction is deleted.”					
<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	The standard as amended is acceptable for referencing with the editorial change mentioned by the Consultant			
UK	5.5 ed	Delete superfluous comma.		Supported	
UK	6.2.5 ed	Maintained seems the wrong verb	Use “recorded” and/or “retained”	Supported	
UK	6.3.1 ed	Model type is defined in a note	Make normative text	Supported; choice of terms may be reconsidered (“Design type” instead of “model type”)	
<b>Decision of WG Standards</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>	

<b>EN 13083:2006</b>		<b>Tanks for transport of dangerous goods — Service equipment for tanks — Adaptor for bottom loading and unloading</b>	Where to refer in ADR/RID: Not to be referenced; supportive standard	Applicable sub-sections and paragraphs: <b>None</b>	
<b>CEN consultants assessment dated 19.01.2008</b>					
“The amendments as result of the public enquiry have no impact on the conclusion of the earlier assessments that this standard is to be considered as a supportive standard ...”					
<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	Agree that this FV version remains a supporting standard.			
<b>Decision of WG Standards</b>		Accepted <input type="checkbox"/> Refused <input type="checkbox"/>		<b>Comments:</b>	