#### **ECONOMIC COMMISSION FOR EUROPE**

#### INLAND TRANSPORT COMMITTEE

<u>Joint Meeting of the RID Safety Committee and the</u>
<u>Working Party on the Transport of Dangerous Goods</u>
(Geneva, 13 - 23 September 2005, agenda item 3)

#### **Standards**

<u>Comments from Switzerland on Standards listed for discussion at the Standards Working Group</u>

**Transmitted by the European Committee for Standardization (CEN)** 

## Standards Working Group of the Joint Meeting ADR/RID 5th meeting, 13-15 September 2005, Geneva

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

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

## Dispatch from CEN dated 13 January 2005

Reference Title of document						Where to refer in ADR/RID	Applicable sub-sections and paragraphs
PrEN 14638-1  Transportable gas cylinders – Refillable welded receptacles of a capacity n exceeding 150 litres – Part 1: Welded austenitic stainless steel cylinders made to a design justified by experimental methods						6.2.2	
Comments	from membe	rs of the Joint Meeting	:				
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/ Technical)	Comment (justification for change)	Proposed change	Comment from	
СН	10	Marking		Has to be in accordance with RID/ADR	Remark in RID/ADR		

Reference	Title of document	Where to refer in ADR/RID	Applicable sub-sections and paragraphs
prEN1442:1998 rev 2005	Transportable refillable welded steel gas cylinders for liquefied petroleum gas (LPG) - Design and construction	6.2.2	

Comments from members of the Joint Meeting:

Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
СН	Whole Standard			There is already a new star cylinders mentioned in RII (EN 13322-1:2003). This standards and the present removed!	D/ADR andard is therefore		
СН	Annex A	Table A11		If you put the gas name "Butane" somewhere in the ADR marking area, this may be confusing. If the test pressure of 15 bar is a problem for the owner then it should clearly be stated above or below the ADR/RID marking "FOR UN 1011/1095 BUTANE ONLY". But this marking shall not conflict with the required marks			
СН	5.1.3	Test pressure		The calculation pressure shall at least be the test pressure as recommended in RID/ADR P200			
СН	9.8.5	Weld repairs		Cylinders originally heat treated have to be heat treated again after weld repair			
СН	10	Marking		Marking has to be in accordance with RID/ADR	Remark: Exclude clause 10		

# page 4

## Dispatch from CEN dated July 2005

Reference	Reference Title of document							Where to refer in Applicable sub-secti ADR/RID and paragraphs		
prEN ISO 23667 Packaging - Transport packaging for dangerous goods - Rigid plastics at plastics composite IBC's - Compatibility testing						stics and				
Comments	from membe	ers of the Joint Meeting	:							
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/	Comment (justification for change)		Proposed change		Comment from CEN Consultant	Comment from WG Standards	
			Technical)							
RID/AD changed it can on					le is part of and may be some time be, as information	Remark: Table C.1 t excluded in				
Decision	of the Sta	andards Working	Group:	•	Accepted	d: 🗆	Comme	nts:		
					Refused:					

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

## Dispatch from CEN dated 21 January 2005

Reference Title of document							Where to refer in ADR/RID	Applicable sub-sections and paragraphs	
prEN 1968 A1 Periodic inspection and testing of seamless steel gas cylinders							6.2.2		
Comments from members of the Joint Meeting:									
The state of the s					ed change	Comment from CEN Consultant	Comment from WG Standards		
СН			-						
Decision	of the Sta	andards Working	Group:		Accepted Refused:		Commen	ts:	

Reference Title of document								Where to refer in ADR/RID	Applicable sub-sections and paragraphs
prEN 13530-2/A1 Cryogenic vessels – Large transportable vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing.						s - Part 2:			
Comments t	from membe	rs of the Joint Meeting	:						
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	able/Note   comment   for change)				ed change	Comment from CEN Consultant	Comment from WG Standards
СН									
Decision of the Standards Working Group:					Accepted: □ Commer		ts:		

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0, (	(

Reference		Title of document Where to refer in Appli								
prEN ISO 7		Gas cylinders - Refi construction and tes	– Design,							
Comments	from membe	ers of the Joint Meeting	Ţ:							
Country Clause No./ Paragraph/ Figure/Table/Note (e.g. Table 1) Type of comment (justifica for change)  (Editorial/ Technical)						Proposo	ed change	Comment from CEN Consultant	Comment from WG Standards	
CH										
Decision	of the Sta	andards Working	Group:		Accepted Refused:		Commer	nts:		

## Dispatch from CEN dated 7 March 2005

Reference		Title of document		Where to refer in Applicable sub-section ADR/RID and paragraphs					
prEN ISO 16103 Packaging - Transport packaging for dangerous goods – Recycled plastics compatibility material									
Comments f	rom membe	ers of the Joint Meeting	:						
Country Clause No./ Figure/Table/Note (e.g. Table 1)  Paragraph/ Figure/Table/Note (e.g. Table 1)  Comment (justification for change)  (Editorial/ Technical)						Proposo	ed change	Comment from CEN Consultant	Comment from WG Standards
СН									
Decision	of the Sta	andards Working	Group:	•	Accepted Refused:		Commer	nts:	

Reference		Title of document						Where to refer in ADR/RID	Applicable sub-sections and paragraphs	
prEN 1439	rev			and brazed steel Liquefied Petroleum Gas checking before, during and after filling						
Comments	from memb	ers of the Joint Meeting	1:					1		
Country Clause No./ Only the version 20:		Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/			Proposed change		Comment from CEN Consultant	Comment from WG Standards	
Only the version 2004-10 was available, the actual version is 2005-05!!										
CH 3.5		Protected cylinders are not cylinders in accordance with RID/ADR, this type of cylinders has already been discussed in the joint meeting and has been rejected.		Remark in where the S placed	RID/ADR Standard is					
CH Annex A Table A.1				It is not visi area shall b RID/ADR o	e used for	Remark: fo only Area l applicable				
Decision	Decision of the Standards Working Group:				Accepted Refused:		Commen	ts:	1	

Reference		Title of document				Where to refer in ADR/RID	Applicable sub-sections and paragraphs
EN 12863:2	•	Transportable gas c dissolved acetylene					
Comments t	rom membe	ers of the Joint Meeting	:				
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/ Technical)	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

Reference		litle of document						ADR/RID	Applicable sub-sections and paragraphs
СН									
Decision	of the St	andards Working	Group:		Accepted Refused:		Comme	ents:	
Reference		Title of document						Where to refer in ADR/RID	Applicable sub-sections and paragraphs
EN13365:2	002/prA1	Transportable gas of gases (excluding ac	•		•		iquefied		
Comments	from membe	ers of the Joint Meeting	<b>j</b> :						
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/		(justification hange)	Propos	ed change	Comment from CEN Consultant	Comment from WG Standards
СН									
Decision	of the St	andards Working	Group:	•	Accepted Refused:		Comme	ents:	

Reference				Where to refer in ADR/RID	Applicable sub-sections and paragraphs				
prEN 14794	(LPG) - Procedure for checking before, during and after filling				n gas				
Comments	from membe	ers of the Joint Meeting	:						
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/		justification lange)	Proposo	ed change	Comment from CEN Consultant	Comment from WG Standards
СН	Annex A	Table A.1		It is not visi area shall b RID/ADR c	e used for	Remark: fo only Area l applicable	or RID/ADR is		
СН	3.3	Periodic inspection		For periodic inspection the type approval and the standard used for type approval have to be considered not prEN 14427 in general RID/ADR					
Decision of the Standards Working Group:			Accepted Refused:		Commer	its:	,		

## Dispatch from CEN dated 11 April 2005

Reference		Title of document				Where to refer in ADR/RID	Applicable sub-sections and paragraphs	
prEN 14767	7	Transportable refilla (LPG) - Periodic req		te cylinders for liquefie	d petroleum gas			
Comments	from membe	ers of the Joint Meeting	<u>r:</u>					
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards	
	Concerning As long as and scrap tests. These sta	emark to standards c ng rejection criteria ir s there are no tests c ped. It can not be the ndards are therefore is affected: prEN14						
СН	Annex A	Inspection interval		Inspection interval and requirements for extension to be decided by competent authority	Remark: Annex A to be excluded from RID/ADR			
СН	3.3	Periodic inspection		For periodic inspection the type approval and the standard used for type approval have to be considered not prEN 14427 in general	Remark: 3.3 not to use in RID/ADR			

Reference		Title of document			Where to refer in ADR/RID	Applicable sub-sections and paragraphs
СН	5	Periodic inspection	For the periodic inspection according to	Remark: Inspection in accordance with RID/ADR		
СН	7.4	Marking		prEN 14894 not to be used		
Decisi	on of the	Standards Working Grou	ip: Accepted Refused:		ts:	

Reference							Applicable sub-sections and paragraphs
EN ISO 101	EN ISO 10156-2 Gas cylinders – Gases and gas mixtures –Part 2: Determination of oxidising ability of toxic and corrosive gases and gas mixtures						
Comments t	rom membe	rs of the Joint Meeting					
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

Reference Title of document				Where to refer in ADR/RID	Applicable sub-sections and paragraphs		
СН	All	EN ISO 10156-2 has already been published! (A 2005)  ISO 10156 Gases and gas mixtures-Determination potential and oxidizing ability for the selection of valve outlets	Gases and gas mixtures-Determination of fire doxidizing ability for the selection of cylinder s		2 to be ID/ADR to be placed R 6.2.2 naterials or		
•			Accepted:  Refused:  Comme		Commer	nts:	

Reference						Where to refer in ADR/RID	Applicable sub-sections and paragraphs		
			ompatibility of cylinder and valve materials methods for selecting metallic materials nent				6.2.2		
Comments f	rom membe	ers of the Joint Meeting	<i>!</i> :						
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/ Technical)		(justification change)	Propos	ed change	Comment from CEN Consultant	Comment from WG Standards
СН									
Decision	of the Sta	andards Working	Group:		Accepted Refused:		Commer	its:	

## Dispatch from CEN dated 9 May 2005

Reference	Title of document	Where to refer in ADR/RID	Applicable sub-sections and paragraphs
prEN 1440: 1996	Transportable refillable welded and brazed steel Liquefied Petroleum Gas		
REVIEW	(LPG) cylinders - Periodic inspection		
Comments from member	ers of the Joint Meetina:		

Reference	_	Title of document				Where to refer in ADR/RID	Applicable sub-sections and paragraphs
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/ Technical)	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
СН	Whole Standard			There is already a stand inspection of welded stee RID/ADR (EN 1803) thi unnecessary.	el cylinders mentioned in		
СН	1	"This European Standard specifies inspection intervals,"		The inspection interval is specified by RID/ADR	Remark: Inspection intervals in accordance with RID/ADR		
СН	3.5			Protected cylinders are not cylinders in accordance with RID/ADR, this type of cylinders has already been discussed in the joint meeting and has been rejected.	Remark in RID/ADR where the Standard is placed		
СН	4	Interval		The general interval in accordance to RID/ADR is 10 Years, 15 years is the exemption	Remark		

Referen	ce	Title of document			Where to refer in ADR/RID	Applicable sub-sections and paragraphs
СН	4/5	The inspection Procedures to be applied shall be selected from the alternatives given in clause 5	The inspection procedures have to be in accordance with RID/ADR.  For the periodic inspection according to RID/ADR a hydraulic test has to be applied at test pressure. It could be replaced by a pneumatic test pressure but not by other tests.  A leak test a low pressure cannot replace the pressure test.	Remark: Inspection in accordance with RID/ADR		
СН	5.2	External Visual Inspection	Checking the marking is also a part of the visual inspection in accordance with RID/ADR	amend		
СН	5.3.2.4 Note	Welding or repairing should be carried out in accordance with the manufacturers requirements	Repair procedures have to be as agreed with the competent authority.			
СН	7.4	Marking	The marking has to be in accordance with RID/ADR			
Decision of the Standards Working Group:				d:  Commer	nts:	1

Reference	Title of document	Where to refer in ADR/RID	Applicable sub-sections and paragraphs
EN12252:2000/prREV	Equipping of Liquefied Petroleum Gases (LPG) road tankers		
Comments from member	ers of the Joint Meeting:	_	

Reference		Title of document				Where to refer in ADR/RID	Applicable sub-sections and paragraphs
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
	9.2.6	Leak test		"If the Tank is in gas service the leak proofness test shall be not less than 20% of the test pressure the LPG vapour pressure" The meaning of this sentence is not clear; ADR requires at any time 20% of the test pressure for leakproofness test.  (6.8.3.4.9)	Ammend sentence to:or the LPG vapour pressure if higher		
	Annex A:	A.1		"The pressure valve shall be set to the design pressure of the tank, see EN12493" This isa deviation to ADR which requires: "These valves shall be capable of opening automatically under a pressure between 0.9 and 1.0 times the test pressure of the tank to which they are fitted" These pressures are different	Remark Annex A to be exluded from ADR		

Reference	Title of document				Where to refer in ADR/RID	Applicable sub-sections and paragraphs
	A.2	Examples Note: The calculat are based on a se pressure of 17 bar/gauge				
		ADR requires: "These valves shall capable of opening automatically under pressure between 0. and 1.0 times the topressure of the tan which they are fitted → 6.8.3.2.9 Test Pressure → Tat 4.3.3.2.5 In ADR, the test pressure of these tanks can be 27 be the setting of the safety valve shall	a 9 est k to i'' ble ars;			
<b>D</b>		therefore be 24.3	pars   epted: □			
Decision of the	Decision of the Standards Working Group:			Comment	S:	

Reference		Title of document				Where to refer in ADR/RID	Applicable sub-sections and paragraphs	
prEN 14795 Transportable refillable aluminium cylinders for Liquefied Petroleum Gas (LPG) - Periodic inspection  Comments from members of the Joint Meeting:						ım Gas		
Country			Paragraph/Figure/Table/Note (e.g. Table 1)  Type of comment (justification for change)  Comment (justification for change)  Proposed change		ed change	Comment from CEN Consultant	Comment from WG Standards	
СН	5.1			Reconditioning procedures have to agreed with the competent authority				
СН	5.1			The inspection procedures have to accordance with RID/ADR.  For the periodic inspection according RID/ADR a hydrau test has to be applie test pressure. It coul replaced by a pneum test pressure but by agreement of the test and certifying body	Remark: Inspection with RID/A d at d be latic the ting	in accordance ADR		
СН	7.4	Marking		Marking in accordance with RID/ADR	prEN 1489 used	94 not to be		
Decision	of the St	andards Working	Group:		epted: □ sed: □	Commer	nts:	

## Dispatch from CEN dated July 2005

Reference								Where to refer in ADR/RID	Applicable sub-sections and paragraphs
EN 13322-1:2003/ prA1 Transportable gas cylinders - Refillable welded steel gas cylinders - Design and construction - Part 1: Carbon steel  Comments from members of the Joint Meeting:							- Design		
Comments	from member	ers of the Joint Meeting	<b>!</b> .						1
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/ Technical)	Comment ( for cl	nment (justification for change)  Proposed change		Comment from CEN Consultant	Comment from WG Standards	
СН									
Decision of the Standards Working Group:  Accepted: □ Refused: □							Comme	nts:	
Reference		Title of document						Where to refer in ADR/RID	Applicable sub-sections and paragraphs
prEN ISO1	0297	Transportable gas cotesting	ylinders – C	ylinder valv	es – Specific	ation and	type		
Comments	from member	ers of the Joint Meeting	r:	1					
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/	Comment (justification for change)  Proposed change		Comment from CEN Consultant	Comment from WG Standards		
СН				prEN ISO 10297 has been published!					
СН	7	Marking		The working pressure should be marked	ng or test nould also be				
Decision	of the St	andards Working	Group:		Accepted Refused:		Comme	nts:	

Reference	Reference Title of document						Where to refer in Applicable sub-section and paragraphs			
prEN 14912 LPG equipment and accessories – Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders					LPG					
Comments	from membe	rs of the Joint Meeting	:							
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/Technical)	Comment (justification for change)  Proposed change			Comment from CEN Consultant	Comment from WG Standards		
СН	All			As with EN 14189 there is already a Standard for the periodic inspection of valves in RDID/ADR ther is no need for a additional on.						
Decision of the Standards Working Group:			Accepte Refused		Commen	ts:				

Reference	Reference Title of document						Applicable sub-sections and paragraphs
prEN 14913  Transportable refillable welded steel cylinders for Liquefied Petro (LPG) – Alternative design and construction - Procedure for check during and after filling  Comments from members of the Joint Meeting:							
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
СН	All			It is not clear why there standard for these cylind difference for the inspectable to distinguish between manufactured to different This standard should the in RID/ADR.	lers as there is no tion. A filer will not be een cylinders		

Reference		Title of document					Where to refer in ADR/RID	Applicable sub-sections and paragraphs
	Concerni As long a and scrap tests. These sta	s there are no tests car oped. It can not be the journal of the journal of the journal of the properties of the state of t	G cylinders: itional test decide about rejection: der with a defect has to be rejected or a testing body to arrange these spection and test personell! EN 14913, prEN 14914					
СН	Annex A	Table A.1		sible which be used for cylinders	Remark: f only Area applicable			
Decision	of the St	andards Working G	roup:	Accepte Refused		Commer	nts:	

Reference	ference Title of document					Where to refer in ADR/RID	Applicable sub-sections and paragraphs	
prEN 14914 Transportable refillable welded steel cylinders for Liquefied Petroleum Gas (LPG) – Alternative design and construction - Periodic inspection								
Comments t	rom membe	ers of the Joint Meeting	<b>r</b> .					
Country	Country Clause No./ Paragraph/Figure/Table/Note (e.g. Table 1) Type of comment (Editorial/Technical) Proposed change (Editorial/Technical)				Proposed change	Comment from CEN Consultant	Comment from WG Standards	
СН				It is not clear why there standard for these cylind difference for the inspect This standard should the in RID/ADR	lers as there is no			

Reference		Title of document		Title of document					
	CH: General remark to standards concerning tests on LPG cylinders: Concerning rejection criteria in the tables where additional test decide about rejection: As long as there are no tests carried out, every cylinder with a defect has to be rejected and scrapped. It can not be the job of a filling station or a testing body to arrange these tests. These standards are therefore not suitable for the inspection and test personell! Standards affected: prEN14763, prEN 14767, prEN 14913, prEN 14914								and paragraphs
СН	5.1 Standards affected: prEN14763,		The product of the pr	The inspection procedures have to be in accordance with RID/ADR.  For the periodic inspection according to		Remark: Inspection in accordance with RID/ADR			
CH Annex A Inspection inte		Inspection interval  Inspection requirement extension to by compete authority		equirement stension to sy competen	s for be decided	Remark: Annex A to from RID/A	be excluded ADR		
СН	aci			Marking in accordance with RID/ADR prEN 1489		prEN 14894 used	I not to be		
Decision	Decision of the Standards Working Group:					<b>l:</b> o	Commer	ts:	

Reference	Title of document	Where to refer in ADR/RID	Applicable sub-sections and paragraphs						
EN 14427:2004 prA1	Transportable composite cylinders for LPG – Design and construction								
Comments from member	Comments from members of the Joint Meeting:								

Reference		Title of document				Where to refer in ADR/RID	Applicable sub-sections and paragraphs		
Country	Clause No./	Paragraph/ Figure/Table/Note (e.g. Table 1)	Type of comment (Editorial/		justification nange)	Propose	ed change	Comment from CEN Consultant	Comment from WG Standards
СН				Remark by Consultant followed	ant must be stated in RID/ADR		D/ADR 1 has to be		
Decision of the Standards Working Group:			Accepted Refused:		Commen	ts:			