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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, 14–18 March 2016
Item 3 of the provisional agenda
Standards

Information on work in progress in CEN

Transmitted by the European Committee for Standardisation (CEN)[1, 2]

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 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.

2. This advice was interrupted for the last session following the difficulties of the European Commission in funding the consultancy services. As a consequence, a larger number of items deserve attention and discussion by the Working Group on standards during this session.

[1] In accordance with the draft programme of work of the Inland Transport Committee for 2016-2017, (ECE/TRANS/WP.15/2015/19 (9.2)).

[2] Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2016/5.

New CEN Enquiry procedure - 3 Month enquiry with weighted vote and optional formal vote for CEN homegrown projects

3. Focussed on improving mechanisms and procedures for developing EN standards and following similar changes of the related ISO procedures and prompted by European Commission Communication COM(2011)311 asking for a 50% reduction of the average standards developing time CEN has adopted a new enquiry procedure (CEN/BT Decision 35/2014). It's implementation started on 1st January 2015 and applies to all incoming drafts since 23 October 2014.

4. Compared with the status quo it includes the following changes:

- Enquiry stage becomes in effect a weighted vote.
- CEN Members respond to vote: YES, NO, ABSTAIN.

  (The assessments of the CEN Consultant will also need to decide on yes or no at this stage. The CEN/TC considers comments and launches 1 month ballot for decision to skip Formal Vote).
- Approval = 71% positive weighted vote and simple majority.
- Enquiry period is reduced from 5 to 3 months.
- Depending on the outcome of the enquiry the CEN/TC can decide to skip the Formal Vote and go straight to publication.

5. These changes affect the cooperation between Joint Meeting and CEN and the agreed cooperation procedures, in particular with respect to the timing of comments from the Joint Meeting Working Group on Standards and CEN timetables. The role of telephone conferences will become paramount. As soon as the amended CEN procedures are stabilized, CEN will come back with suggestion for amendments of the cooperation procedures and will then come up with suggested amendments of the cooperation procedures, if needed.

Contractual situation of the CEN Consultant

6. At the end of 2014, CEN has recruited Mr David Teasdale in order to take over from Mr Karol Wieser. As in 2014, the European Commission took over 7 months in 2015 before offering a budget to CEN to cover this task. Luckily now CEN got a budget coverage till end December 2017.

7. CEN has therefore prepared 3 dispatches: Dispatch 1 and 3 include assessments of the drafts. Dispatch 2 contains only the standards without assessments. A Dispatch 4 could also be made available in January 2016 containing General Purpose Standards.

New work items

8. 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 decided to be added to the programme of CEN/TC's 23, 286 and 296. Additional CEN standards which are already referenced in RID/ADR/ADN have been decided to be reviewed. Not all of them are considered candidates for reference in these regulations.

9. The members of the Joint Meeting are invited to advice 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	00023190	EN ISO 10297:2014/prA1	Gas cylinders - Cylinder valves - Specification and type testing (ISO 10297:2014/DAM 1:2016)
CEN/TC 23	00023191	EN ISO 14246:2014/prA1	Gas cylinders - Cylinder valves - Manufacturing tests and examinations (ISO 14246:2014/DAM 1:2016)
CEN/TC 23	00023192	prEN ISO 11363-1	Gas cylinders - 17E and 25E taper threads for connection of valves to gas cylinders - Part 1: Specifications
CEN/TC 23	00023193	prEN ISO 11363-2	Gas cylinders - 17E and 25E taper threads for connection of valves to gas cylinders - Part 2: Inspection gauges
CEN/TC 23	00023194	prEN ISO 11117	Gas cylinders - Valve protection caps and valve guards - Design, construction and tests
CEN/TC 23	00023195	prEN ISO 17879	Gas cylinders - Self-closing cylinder valves - Specification and type testing
CEN/TC 286	00286167	EN 12493:2013+A1:2014	LPG equipment and accessories - Welded steel pressure vessels for LPG road tankers - Design and manufacture
CEN/TC 286	00286168	prEN ISO 14245 rev	Gas cylinders - Specifications and testing of LPG cylinder valves - Self-closing
CEN/TC 286	00286169	prEN ISO 15995 rev	Gas cylinders - Specifications and testing of LPG cylinder valves - Manually operated
CEN/TC 286	00286170	EN 13175:2014/prA1	LPG Equipment and accessories - Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings
CEN/TC 286	00286172	EN 13110:2012/prA1	LPG equipment and accessories - Transportable refillable welded aluminium cylinders for liquefied petroleum gas (LPG) - Design and construction
CEN/TC 286	00286173	prEN 12807 rev	LPG equipment and accessories - Transportable refillable brazed steel cylinders for liquefied petroleum gas (LPG) - Design and construction
CEN/TC 296	00296084	FprEN 14595 rev	Tanks for transport of dangerous goods - Service equipment for tanks - Pressure and vacuum breather device
CEN/TC 296	00296088	EN 14564:2013/prA1	Tanks for transport of dangerous goods - Terminology
CEN/TC 296	00296089	prEN 13094 rev	Tanks for the transport of dangerous goods - Metallic tanks with a working pressure not exceeding 0,5 bar - Design and construction

New and amended references to standards

10. Since the session of March 2014, draft standards have reached the enquiry and formal vote stage and have even be published. They have been made available for consultation by members of the Joint Meeting on the dedicated CEN webpage (Dispatch 1 to 3).

11. Members of the Joint Meeting have already been invited to provide their comments on the documents listed in Dispatch 1 and 2. They still have the time to provide their comments on Dispatch 3 documents to the CEN Consultant (david.teasdale@btinternet.com) before 30 January 2016. It is foreseen to organize ad hoc webconferences in order to review those comments second halve of February 2016. All comments will be consolidated in a separate document and be provided to the Joint Meeting.

12. In the contractual arrangement with CEN, the European Commission has restricted the activity of the CEN Consultant to 'Qualitative assessments'. This is in line with Art 15 1b of Regulation 1025/2012/EU:

"1. The financing by the Union may be granted to the European standardisation organisations for the following standardisation activities:

(a) the development and revision of European standards or European standardisation deliverables which is necessary and suitable for the support of Union legislation and policies;

(b) the verification of the quality, and conformity to the corresponding Union legislation and policies, of European standards or European standardisation deliverables;".

In those circumstances , the CEN Consultant is not allowed anymore to provide any activity in support to Art 15 1 (a). CEN therefore kindly ask the Joint Meeting to appoint a convenor for its Joint Meeting Working Group on Standards sessions.

13. The CEN-CENELEC Management Center (CCMC) will of course continue to support both the CEN Consultant and the Joint Meeting Working Group on Standards.

Annex [English only]

A. Standards at Stage 2: Submitted for Public Enquiry

Dispatch 1

prEN 1439 WI 00286165		**LPG equipment and accessories - Procedure for checking transportable refillable LPG cylinders before, during and after filling**	**Where to refer in RID/ADR:** Replace EN 1439:2008 except 3.5 and Annex G	**Applicable sub-sections and paragraphs:** P200	
Assessment by CEN Consultant provided.					
Comments from members of the Joint Meeting:					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
DT	3.4 over-moulded cylinder	The Note 1 to the definition of an over-moulded cylinder states ‘See also ADR definition’ this implies that there is a definition in ADR for an over-moulded cylinder; currently in the 2015 version of ADR/RID there is no such definition.	This note should be removed.		
DT	3.5 casing	The definition in casing refers to ‘composite cylinder’ however there is no similar definition for a composite cylinder to which that definition refers. There are also criteria in Annex D concerning the rejection criteria for composite cylinders without defining exactly what a composite cylinder is.	Add a definition of a composite cylinder		
DT	3.13 periodic inspection	In the context of this type of equipment (pressure receptacle) the term pressure vessel is not normally used. There are detailed requirements for periodic inspection within ADR/RID which typically refer to the cylinder shell.	Replace the term pressure vessel with a more applicable term.		
DT		NOTE Rejection limits for physical, material and other defects on the cylinder shell are given in Annex A, Annex B, Annex C, Annex D and Annex G.	The note should be modified to make it clear that for over moulded cylinders the		

		Annex G provides rejection criteria for the over-moulded case not the actual cylinder shell itself.	rejection criteria is for the over moulded case and not the cylinder shell.		
DT		Criteria in Table D 2 refers to the 'protective jacket' this term is not defined in the standard, however the photographs in the table seem to be of a cylinder with an over-moulded case (protective jacket?) which may have a liner however this is not clear. The terms are used throughout the standard without themselves being defined or part of a definition.	Clarify/define the terms for a protective jacket and protected cylinder.		
DT		There is no guidance given on the corrosive limits of the LPG that can be filled into the cylinders.	The standard should include a reference to the LPG that is filled into the cylinders being in compliance with the limitations on corrosiveness as specified in ISO 9162:1989.		
CH		We agree with the comments of the CEN consultant in prEN 1439_DT and prEN 1439_DT (Add)			
CH		3.4 and Annexes G and H to be excluded (3.4 and Annex G already excluded for the Version EN 1439:2008)			
CH		"D1.1 NOTE 2 RID/ADR requires that these criteria are acceptable to the competent authority" There are no such requirements in RID/ADR.			
CH		Concerning corrosion: ISO 9162:1989 is mentioned in prEN 13952:2015 under 4.3 LPG Quality.	It is therefore not necessary to mention it in EN 1439 (EN 13952 is mentioned as normative reverence and in 6. "Filling		

			conditions"		
UK	General	No objection to this standard being referenced subject to satisfactory resolution of the CEN Consultant's comments.			

Dispatch 1

prEN 13952 WI 00286166		**LPG equipment and accessories - Filling procedures for LPG cylinders**	**Where to refer in RID/ADR:** Not referred at this stage	**Applicable sub-sections and paragraphs:**	
Assessment by CEN Consultant provided					
Comments from members of the Joint Meeting:					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
CH		No comment			
UK	General	The existing version of this standard has not been referenced in RID/ADR and this new version also adds insufficient value to merit inclusion in the regulations.	Do not reference. The TC should consider amalgamating this standard with EN 1439.		

Dispatch 1

prEN ISO 21028-1 WI 00268059		**Cryogenic vessels - Toughness requirements for materials at cryogenic temperature - Part 1: Temperatures below -80 degrees C (ISO/DIS 21028-1:2015)**	**Where to refer in RID/ADR:** Replace EN 1252-1:1998	**Applicable sub-sections and paragraphs:** 6.8.5.4	
Assessment by CEN Consultant provided.					
Comments from members of the Joint Meeting:					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

CH		No comment			
UK		These two standards will replace EN 1252-1 and EN 1252-2 both of which are normative references in the cryogenic tank design standards EN 13530 and EN 14398. These material property standards are invaluable to designers of cryogenic equipment and therefore, their role is as normative references in the tank design standards.	There is no need to reference these standards in RID/ADR; they support the cryogenic tank and pump design and construction standards		

Dispatch 1

prEN ISO 21028-2 WI 00268063		**Cryogenic vessels - Toughness requirements for materials at cryogenic temperature - Part 2: Temperatures between -80 degrees C and -20 degrees C (ISO/DIS 21028-2:2014)**	**Where to refer in RID/ADR:** Replace EN 1252-2:2001	**Applicable sub-sections and paragraphs:** 6.8.5.4	
Assessment by CEN Consultant provided					
Comments from members of the Joint Meeting:					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
DT	4.3 (Table 3)	4.3 Minimum T_R values are given in Table 3…. However the legend for Table 3. Table 3 — Minimum T_s values	The legend for Table 3 should be corrected to T_R.		
DT	4.3 (Table 6)	There are a number of instances in the Construction detail column typically for Part A or Part B where there is a thickness given i.e.e_1 or e_2, which are different to the Part A or Part B in the Reference thickness column. For example the third example for a Branches and nozzles. Construction detail Part A ~ e_3 Reference thickness Part A ~ e_2.	The Parts A or B and associated material thickness's should be reviewed for those in the Construction detail column and the Reference thickness column to ensure that they are aligned.		
UK		These two standards will replace EN 1252-1 and EN 1252-2 both of which are normative references in the cryogenic tank design standards EN 13530 and EN	There is no need to reference these standards in		

		14398. These material property standards are invaluable to designers of cryogenic equipment and therefore, their role is as normative references in the tank design standards.	RID/ADR; they support the cryogenic tank and pump design and construction standards		
CH		No comment			

Dispatch 3

prEN 13110_2012prA1 WI 286154	**LPG equipment and accessories - Transportable refillable welded aluminium cylinders for liquefied petroleum gas (LPG) - Design and construction**	**Where to refer in RID/ADR:** 4.1.4.1P200 (11) and 6.2.4.1	**Applicable sub-sections and paragraphs:** P200(8), (10) and (12) and 6.2.4.1 (6.2.3./1 & 6.2.3.4)
Assessment by CEN Consultant pending			

Comments from members of the Joint Meeting:

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

Dispatch 3

prEN ISO 10156 (Rev) WI 00023189	**Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets**	**Where to refer in RID/ADR:** Replace ver 2010 2.2.2.1.5	**Applicable sub-sections and paragraphs:** 2.2.2.1.5
Assessment by CEN Consultant pending			

Comments from members of the Joint Meeting:

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

Dispatch 3

prEN ISO 24431 rev WI 00023178	**Gas cylinders - Cylinders for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling (ISO/DIS 24431:2015)**	**Where to refer in RID/ADR:** Not referenced yet	**Applicable sub-sections and paragraphs:**
Assessment by CEN Consultant pending			
Comments from members of the Joint Meeting:			

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

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

Dispatch 1

FprEN ISO/FDIS 24490 WI 00268062	**Cryogenic vessels - Pumps for cryogenic service (ISO/FDIS 24490:2015)**	**Where to refer in RID/ADR** Replace EN 13275:2000	**Applicable sub-sections and paragraphs**:
Positive assessment by CEN Consultant provided.			
Enquiry draft discussed by STD's WG			
Comments from members of the Joint Meeting:			

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
CH		No comment			
UK		No objection to this standard being referenced			

Decision of the STD's WG:	Accepted Refused Postponed	Comments	No transition regulation required.

Dispatch 1

FprEN A1 on EN 14025:2013 WI 00296082	**Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction**	**Where to refer in RID/ADR** See EN 14025	**Applicable sub-sections and paragraphs**:

Positive assessment by CEN Consultant provided.

Enquiry draft not discussed by STD's WG

Comments from members of the Joint Meeting

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
DT	6.3.3.5.1 General Equation (5)	With the removal of the non-numbered equation b) there will be a superfluous 'where' in the existing standard.	Remove first 'where' in addition to the non-numbered equation.		
DT	Modification to the Bibliography	There is already an [8] in the bibliography of the existing standard.	Add "[9] EN 14460, Explosion resistant equipment" and update the following items.		
D	Headline (Annex B) Tech	In 5.1 "General" of the standard there is the option to choose the explosion pressure shock resistant design of tanks according to the new Annex B. Insofar Annex B should be normative and not informative.	Amend Annex B from "informative" in "normative"		
CH		No comment			
UK		No objection to this amendment being referenced			

Decision of the STD's WG:	Accepted Refused Postponed	Additional comments	No transition regulation required.

Dispatch 2

FprEN ISO 10286 WI 00023153	**Gas cylinders - Terminology (ISO 10286:2015)**	**Where to refer in ADR:** ?	**Applicable sub-sections and paragraphs**:

No assessment by CEN Consultant provided.

Comments from members of the Joint Meeting:

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
CH		No comment			
UK	General	Terminology standards should not be referenced in RID/ADR: they should be referenced in standards. ISO and CEN committees worked hard to ensure compatibility with the regulations	Do not reference.		
D		Concur with UK opinion			

Decision of the STD's WG:	Accepted Refused Postponed	Additional comments	No transition regulation required.

Dispatch 2

FprEN ISO 13341 A1 WI 00023172	**Gas cylinders - Fitting of valves to gas cylinders - Amendment 1 (ISO 13341:2010/Amd 1:2015)**	**Where to refer in RID/ADR** ?	**Applicable sub-sections and paragraphs**:

No assessment by CEN Consultant pending.

Comments from members of the Joint Meeting:

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
CH		No comment			
UK	General	The existing version of this standard 2010 has not been referenced in RID/ADR and this amendment does not change its usefulness to the regulations. This standard	Do not reference.		

		is a normative reference in the valve standard EN ISO 10297 and the periodic inspection standards. This is its correct role.			
D		Concur with UK but consider possibility to reference it in P200 RID/ADR for assembling cylinders and valves			
Decision of the STD's WG:	Accepted Refused Postponed	Additional comments			No transition regulation required

Dispatch 2

FprEN ISO 17871:2015 WI 00023179	**Gas cylinders - Quick-release cylinder valves - Specification and type testing (ISO 17871:2015)**	**Where to refer in RID/ADR** ?	**Applicable sub-sections and paragraphs**:

No assessment by CEN Consultant provided.

Enquiry draft not discussed by STD's WG

Comments from members of the Joint Meeting:

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
CH		No comment			
UK	General	This standard relies on ISO 10297:2014 and ISO 14246:2014 for many of its requirements. Both of these have been accepted for RID/ADR (and UN). No contradictions of RID/ADR have been detected in this standard. The standard was developed with the intention of it appearing in the RID/ADR	Recommended for referencing. Standard published in September 2015		
D	General	It was already agreed to have the standard referenced in RID/ADR 2017 by Joint Meeting March 2015		Correct, CCMC apologised for this confusion	

Decision of the STD's WG:	**Accepted** Refused Postponed	Additional comments **See Inf 48 Session March 2015**	No transition regulation required

Dispatch 3

FprEN 11118 WI 00023143	**Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods (ISO 11118:2015)**	**Where to refer in RID/ADR** Replace ver of 1999 6.2.2.1.1	**Applicable sub-sections and paragraphs**: P 206 and 6.2.2.1.1

Assessed by CEN Consultant

Comments from members of the Joint Meeting:

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
DT	A.2.3.4	The type of gas used for the leak tightness test is not specified, it is specified for the non –refillable valve test.	Specify the test gas.		
DT	A.3.2.2	This section is about how a hydraulic burst pressure test is carried out, item '*e) the hydraulic burst test pressure minimum is 1,6 times the test pressure of the cylinder'* this is what the result of the test should be.	Move 'the hydraulic burst test pressure minimum is 1,6 times the test pressure of the cylinder' to the end sentence of A.3.2.2.		

Decision of the STD's WG:	Accepted Refused Postponed	Additional comments	Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
			EN ISO 11118:1999	[Between 1 January 2005 and 31 December 2015]	
			EN ISO 11118:2015	Until further notice	

Dispatch 3

FprEN ISO 11623:2015 WI 00023150	**Gas cylinders - Composite construction - Periodic inspection and testing (ISO/FDIS 11623:2015)**	**Where to refer in RID/ADR** Replace ver. 2002 6.2.2.4 + § 660,	**Applicable sub-sections and paragraphs**: 6.2.2.4 + 6.2.4.2 (except clause 4) +§ 660

Assessed by CEN Consultant

Comments from members of the Joint Meeting:					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
DT	Table 3	The symbols for the units in the first row should be checked.	The unit for gram is G this should be replaced by g.		

Decision of the STD's WG:	Accepted Refused Postponed	Additional comments	Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
			EN ISO 11623:2002	[Between 1 January 2005 and 31 December 2015]	
			EN ISO 11623:2015	Until further notice	

Dispatch 3

FprEN ISO 21013-3 rev	**Cryogenic vessels - Pressure-relief accessories for cryogenic service - Part 3: Sizing and capacity determination (ISO/DIS 21013-3:2014)**	**Where to refer in RID/ADR**	**Applicable sub-sections and paragraphs**:
WI 00268060		Replace EN 13648-3:2002 Only part 1 is referred so far ?	

Assessed by CEN Consultant					
Comments from members of the Joint Meeting:					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

DT	Equation 3 and 4	$U_2(T_a - T) = 19\,000\ \mathrm{W/m^2}$ for $T \leq 75\mathrm{K}$ $U_2(T_a - T) = 2\,850\ \mathrm{W/m^2}$ for $T \leq 75\mathrm{K}$ Equation [3] and [4] return different values for the same condition i.e.≤ 75K			
DT	Equation 10	$U_5 = \frac{k_5}{e_5}$ The formula uses e5 however in the references to that formula only e is defined.			
DT	4.4	4.4.1 The air or nitrogen condensation case for the loss of vacuum condition shall be considered for fluids with a saturation temperature below 75 K at 1 bar absolute pressure. This refers to absolute pressure, however in other definitions with saturation temperature and the same temperature (75 K) the reference is to bar i.e. 4.5.5 WT5 is equal to the heat transfer rate, W5, if the saturation temperature of the fluid is greater than or equal to 75 K at 1 bar. Is the reference to absolute pressure correct in that instance and bar [gauge] to the others?			
DT	Equation [36]	$P_i = \lvert P - \frac{3{,}857 \cdot 10^{-13} \cdot {Q_m}^2 \cdot_u \cdot K_{Ru}}{{A_{Fu}}^2}$ Where is the value u defined?			
DT	Equation [40]	Texit,Pb is defined but not used in equation [40].			

Decision of the STD's WG:	Accepted Refused Postponed	Additional comments	Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals

Dispatch 3

FprEN 14595 WI 00296084	**Tanks for transport of dangerous goods - Service equipment for tanks - Pressure and vacuum breather device**	**Where to refer in RID/ADR** Replace ver of 2005 6.8.2.6.1	**Applicable sub-sections and paragraphs**:

Assessed by CEN Consultant

Comments from members of the Joint Meeting:

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards
	Foreword	*…not exceeding 110 kPa (absolute pressure) at 50° C…* The word pressure is not added after the pressure definition. Delete the word pressure.	*…not exceeding 110 kPa (absolute) at 50° C…*		
	Scope	*…not exceeding 110 kPa at 50 °C …* To be in line with the foreword add the word absolute after kPa.	*…not exceeding 110 kPa (absolute) at 50° C…*		
	5.8	*…shall not exceed 10^6 :.*	Add 'Ω' after 10^6		

		The unit is missing.			
	6.2.2.2.3	For clarity the text: *…is not less than 0,4 kPa below atmospheric pressure and not greater than 2,5 kPa below atmospheric pressure.* Should be the same as in 5.3.2 *…shall be between -0,4 kPa (gauge) and -2,5 kPa (gauge)…*	Change 5.3.2. *The relieving pressure of breather devices is not less than 0,4 kPa below atmospheric pressure and not greater than 2,5 kPa below atmospheric pressure in their normally installed attitude.* Or as an alternative change the text in 6.2.2.2.3 to match 5.3.2.		
	Annex A Figure A1	Figure is missing	Replace missing figure.		

Decision of the STD's WG:	Accepted Refused Postponed	Additional comments	Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals

Dispatch 3

FprEN ISO 21029-2_2015 WI 00268061	**Cryogenic vessels - Transportable vacuum insulated vessels of not more than 1 000 litres volume - Part 2: Operational requirements (ISO 21029-2:2015)**	**Where to refer in RID/ADR** Replace EN 1251-3:2000 6.2.4.2	**Applicable sub-sections and paragraphs**:
Assessment by CEN Consultant pending			

Comments from members of the Joint Meeting:					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

Decision of the STD's WG:	Accepted Refused Postponed	Additional comments	Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
			EN 1251-3:2000		
			EN ISO 21029-2:2015		

Dispatch 3

FprEN 16148 WI 00023171	**Gas cylinders - Refillable seamless steel gas cylinders and tubes - Acoustic emission examination (AT) and follow-up ultrasonic examination (UT) for periodic inspection and testing (ISO/FDIS 16148:2015)**	**Where to refer in RID/ADR** Replace ver of 2006 6.2.1.6.1	**Applicable sub-sections and paragraphs**: 6.2.1.6.1
Assessment from CEN Consultant pending			

Comments from members of the Joint Meeting:					
Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

Decision of the STD's WG:	Accepted Refused	Additional comments	Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals

	Postponed		EN ISO 16148:2006	[Between 1 January 2005 and 31 December 2015]	
			EN ISO 16148:2016	Until further notice	

Dispatch 3

FprEN 1440	**LPG equipment and accessories - Transportable refillable traditional welded and brazed steel Liquefied Petroleum Gas (LPG) cylinders - Periodic inspection**	**Where to refer in RID/ADR** Replace ver of 2008 6.2.4.2	**Applicable sub-sections and paragraphs**:
WI 00286154			

Assessment by CEN Consultant pending

Comments from members of the Joint Meeting:

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

Decision of the STD's WG:	Accepted Refused Postponed	Additional comments	Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals
			EN 1440:2008	[Between 1 January 2009 and 31 December 2015]	
			EN 1440:2016	Until further notice	

Dispatch 3

FprEN 16728	**LPG equipment and accessories - Transportable refillable LPG cylinders other than traditional welded and brazed steel cylinders - Periodic inspection**	**Where to refer in RID/ADR** Not yet referred	**Applicable sub-sections and paragraphs**:
WI 00286156			

Assessment by CEN Consultant pending

Comments from members of the Joint Meeting:

Country	Clause No.	Comment (justification for change)	Proposed change	Comment from CEN Consultant	Comment from WG Standards

Decision of the STD's WG:	Accepted Refused Postponed	Additional comments	Proposed transition regulation	Applicable for new type approvals or for renewals	Latest date for withdrawal of existing type approvals