

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

4 March 2020

Bern, 16 -20 March 2020

Item 5 (b) of the provisional agenda

Proposals for amendments to RID/ADR/ADN
new proposals

Comments on paper 2020/4 and an alternative proposal

Transmitted by the European Committee for Standardisation (CEN)

Introduction

1. Following on from the teleconference of the Working Group on Standards, a sub group of experts from France Germany and the United Kingdom, discussed the proposal in paper ECE/TRANS/WP.15/AC.1/2020/4. They supported the intention of the proposal to establish manufacturing dates for the application of standards to manufacturing in 4.1.6.15 of RID/ADR. They also welcomed the correction of the references to the standard which now specify the clause which requires the test and gives the acceptance criteria.

2. However, some shortcomings in the proposed solution were detected:

(a) 4.1.6.15 applies to UN pressure receptacles as well as RID/ADR pressure receptacles so a different reference needs to be given for the applicable manufacturing dates.

(b) EN ISO 1245 and EN ISO 15995 are not applicable to UN pressure receptacles so the first sentence of 4.1.6.15 reading "For UN pressure receptacles, the ISO listed below shall be applied." needed correction to exclude these two standards. It was also thought desirable to clarify that EN ISO standards also apply to UN pressure receptacles.

(c) Except for EN ISO 11117 and EN 962:1996 +A2:2000 used on non-UN pressure receptacles, all the manufacturing date information could be found in 6.2.2.3 for UN pressure receptacles and 6.2.4.1 for non-UN pressure receptacles. This means that if valve caps and valve guards are treated separately, the addition of an extra column in the table became unnecessary, since these references can be given in the text before the table.

3. In redrafting 4.1.6.15 the opportunity was taken to correct the standard titles. Where more than one edition of a standard appears in a single row of the table the title of the most recent standard is used. The manufacturing dates for ISO 11117:1998 and EN 962:1996 + A2:2000 were changed since EN ISO 11117:2008 + Cor1:2009 did not appear in the RID/ADR until 2013. This document also includes the proposals for new standards to be considered by the Joint Meeting at this session.

Proposal

4. The proposal shows new text underlined and deletions by strikethrough. Proposals from INF.18 are additionally shown in red.

4.1.6.15 For UN pressure receptacles, the ISO standards and EN ISO standards listed ~~below~~ in Table 1, except EN ISO 14245 and EN ISO 15995, shall be applied. For information on which standard shall be used at the time of manufacturing the equipment, see 6.2.2.3.

For other pressure receptacles, the requirements of section 4.1.6 are considered to have been complied with if the ~~following~~ standards in Table 1, as relevant, are applied. For information on which standards shall be used for the

manufacture of valves with inherent protection, see 6.2.4.1. For information on the applicability of standards for manufacturing valve protection caps and valve guards, see Table 2:

Table 1 Standards for UN and non-UN pressure receptacles

Applicable paragraphs	Reference	Title of document
4.1.6.2	EN ISO 11114-1:2012 + A1:2017	Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 1: Metallic Materials
	EN ISO 11114-2:2013	Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 2: Non-metallic Materials
4.1.6.4	either ISO 11621:1997 or EN ISO 11621:2005	Gas cylinders – Procedures for change of gas service
4.1.6.8 Valves with inherent protection	Annex A-Clause 4.6.2 of EN ISO 10297:2006 or Annex A-Clause 5.5.2 of EN ISO 10297:2014 or Annex A-Clause 5.5.2 of EN ISO 10297:2014 + A1:2017	Gas cylinders – Refillable gas Cylinder valves – Specification and type testing
	Clause 5.3.8 of EN 13152:2001 + A1:2003	Testing and specifications of LPG cylinder valves – Self-closing
	Clause 5.3.7 of EN 13153:2001 + A1:2003	Specifications and testing of LPG cylinder valves – Manually operated
	Clause 5.9 of EN ISO 14245:2010 or Clause 5.9 of EN ISO 14245:2019	Gas cylinders – Specifications and testing of LPG cylinder valves – Self-closing
	Clause 5.10 of EN ISO 15995:2010 or Clause 5.10 of EN ISO 15995:2019	Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated
	Clause 5.4.2 of EN ISO 17879:2017	Gas cylinders – Self-closing cylinder valves - Specification and type testing
4.1.6.8 (b) and (c)	either ISO 11117:1998 or EN ISO 11117:2008 + Cor 1:2009 or EN ISO 11117:2019	Gas Cylinders – Valve protection caps and valve guards for industrial and medical gas cylinders – Design construction and tests
	EN 962:1996 +A2:2000	Transportable gas cylinders – Valve protection caps and valve guards for industrial and medical gas cylinders – Design, construction and tests
	ISO 16111:2008	Transportable gas storage devices – Hydrogen absorbed in reversible metal hydride

Table 2 Manufacturing dates applicable to valve protection caps and guards fitted to non-UN pressure receptacles

Reference	Title of document	Applicable for manufacture
ISO 11117:1998	Gas cylinders – Valve protection caps and valve guards for industrial and medical gas cylinders – Design construction and tests	Until 31 December 2014
EN ISO 11117: 2008 + Cor 1:2009	Gas cylinders – Valve protection caps and valve guards – Design, construction and tests	Until 31 December 2022
EN ISO 11117:2019	Gas cylinders – Valve protection caps and guards – Design, construction and tests	Until further notice
EN 962:1996 +A2:2000	Transportable gas cylinders – Valve protection caps and valve guards for industrial and medical gas cylinders – Design, construction and tests	Until 31 December 2014