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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, 10-11 September 2020 and Geneva, 14-18 September

Item 5 (b) of the provisional agenda

**Proposals for amendments to RID/ADR/ADN  
new proposals****Comments on document ECE/TRANS/WP.15/AC.1/2020/4  
and alternative proposal****Transmitted by the European Committee for Standardisation (CEN)\*, \*\*****Introduction**

1. Following the teleconference of the Working Group on Standards, a group of experts from France, Germany and the United Kingdom, discussed the proposal in 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 standards 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 +

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\* 2020 (A/74/6 (Sect.20) and Supplementary, Subprogramme 2).

\*\* Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2020/46.

A2:2000 were changed since EN ISO 11117:2008 + Cor1:2009 did not appear in 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 bold.

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<br>Valves with inherent protection | <del>Annex A-Clause 4.6.2</del> of EN ISO 10297:2006 or<br><del>Annex A-Clause 5.5.2</del> of EN ISO10297:2014 or<br><del>Annex A-Clause 5.5.2</del> of EN ISO 10297:2014 + A1:2017 | Gas cylinders – <del>Refillable gas</del> Cylinder valves – Specification and type testing                                                            |
|                                            | <u>Clause 5.3.8</u> of EN 13152:2001 + A1:2003                                                                                                                                      | Testing and specifications of LPG cylinder valves – <u>Self-closing</u>                                                                               |
|                                            | <u>Clause 5.3.7</u> of EN 13153:2001 + A1:2003                                                                                                                                      | Specifications and testing of LPG cylinder valves – Manually operated                                                                                 |
|                                            | <u>Clause 5.9</u> of EN ISO 14245:2010 <b>or Clause 5.9 of EN ISO 14245:2019</b>                                                                                                    | Gas cylinders – Specifications and testing of LPG cylinder valves – Self-closing                                                                      |
|                                            | <u>Clause 5.10</u> of EN ISO 15995:2010 <b>or Clause 5.10 of EN ISO 15995:2019</b>                                                                                                  | Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated                                                                 |
|                                            | <u>Clause 5.4.2</u> of EN ISO 17879:2017                                                                                                                                            | Gas cylinders – Self-closing cylinder valves - Specification and type testing                                                                         |
| 4.1.6.8 (b) and (c)                        | <del>either</del> ISO 11117:1998-or EN ISO 11117:2008 + Cor 1:2009 <b>or EN ISO 11117:2019</b>                                                                                      | Gas Cylinders – Valve protection caps and <del>valve guards for industrial and medical gas cylinders</del> – Design construction and tests            |
|                                            | EN 962:1996 +A2:2000                                                                                                                                                                | <u>Transportable gas cylinders</u> – 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

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