



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 and Geneva, 14-18 September 2020

Item 6 of the provisional agenda

Reports of informal working groups**Report of the informal working group on “Provisions on
equipment for tanks and pressure receptacles”****Transmitted by the European Industrial Gases Association (EIGA)*, ******Introduction**

1. This document replaces informal document INF.22 initially submitted to the Joint Meeting of March 2020.
2. At its session held in March 2014, the Joint Meeting agreed to establish an informal working group under the chairmanship of EIGA on “Provisions for equipment for tanks and pressure receptacles”. The terms of reference were set out in informal document INF.22 of the March 2014 session of the Joint Meeting which may be summarized as follows.
 - Clarification of meaning of the term “pressure receptacle” to include or exclude their closures;
 - Investigation of the completeness of requirements on the design, conformity assessment and marking of closures of pressure receptacles;
 - Investigation of the completeness of requirements on the design, conformity assessment and marking of service equipment of tanks.
3. The working group reported on its proposals for pressure receptacles and their closures in September 2015 and the Joint Meeting decided that the text changes for those parts of the RID/ADR on the text originating from the UN Sub-Committee of Experts for the Transport of Dangerous Goods should be referred to the Sub-Committee.
4. These proposals as amended were adopted by the Sub-Committee in December 2019 and the usual process of harmonization will bring these texts into the 2023 edition of RID/ADR/ADN.
5. In informal document INF.22 of the March 2020 session of the Joint Meeting EIGA requested permission from the Joint Meeting for the informal working group to reconvene to

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

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study the consequential amendments which will be necessary in the 2023 editions of RID/ADR/ADN to make them compatible with the new UN terminology.

6. This informal document also requested that the work on tanks should be dropped from the terms of reference. The working group considered that this work was not needed since the informal working group on the inspection and certification of tanks had undertaken a thorough review and revision of all aspects of the conformity assessment of tanks and their service equipment.

7. Although no decisions were possible, the working group decided to go ahead and complete its work on pressure receptacles and their proposed amendments are set out below.

Proposals

- 1.2.1 In the definition of “*Over-moulded cylinder*” insert “shell” after “coated welded steel cylinder” and after “surface of the steel cylinder”.
- 3.3.1 SP655 At the beginning of the first sentence, after “Cylinder” delete “and their closures”.
- 3.3.1 SP674 Paragraph (a) General:
In the first sentence replace “welded steel cylinders” by “welded steel cylinder shells”. At the end of the second sentence insert “shell” after “steel cylinder”. In the third sentence insert “shell” after “steel cylinder”.
- Paragraph (b) Basic population:
Replace “inner cylinders” by “inner steel cylinder shells”.
- Paragraph (d) Traceability:
In the first sentence insert “shell” after “steel cylinder”. In the second indent insert “shell” after “steel cylinder”.
- 6.2.2.11 Renumber as 6.2.2.12
After the table delete the entire sentence beginning “For refillable pressure receptacles, the conformity assessment of valves ...” and replace it with “For separate conformity assessments (e.g. cylinder shell and closure) see 6.2.1.4.4.”
- 6.2.3.1.2 In the second paragraph replace “pressure envelope and supporting components” by “pressure receptacle and/or pressure receptacle shells including all permanently attached integral parts (e.g. neck ring, foot ring, etc.)”.
- 6.2.3.3.2 Delete the heading “*Openings*”.
- 6.2.2.3.3 Delete the heading “*Fittings*”.
- 6.2.2.3.4.2 In the title replace “*receptacles*” by “*receptacle shells*” and in paragraph (a) replace “receptacles” by “receptacle shells”.
- 6.2.3.5.1 In **NOTE 1** after “*cylinder*” insert “*shell*”.
- In **NOTE 2**: replace “*cylinders and tubes*” by “*cylinder shells and tube shells*” at the first occurrence only.
- In **NOTE 3**: replace “*cylinders and tubes*” by “*cylinder shells and tube shells*” (twice).
- 6.2.3.5.2 In paragraph (a) insert “pressure” before “receptacle” and insert “service” before “equipment”.
- 6.2.3.6.1 After the table replace the sentence starting “For refillable pressure receptacles, the conformity assessment ...” by “For separate conformity assessments (e.g. cylinder shell and closure) see 6.2.1.4.3.”
- 6.2.3.10 Replace “pressure receptacles” by “cylinders”.

6.2.4.1 After the end of the text and before the table insert a new **NOTE** as follows:

“NOTE: The words ‘cylinder’, ‘tube’ and ‘pressure drum’ when used in these standards shall be understood to exclude closures except in the case of non-refillable cylinders.”

In the third row of the table (after the two header rows) after “*for design and construction*” add “*of pressure receptacles or pressure receptacle shells*”.

In the row of the table immediately preceding the entry for EN 849:1996 (except Annex A) replace “*for closures*” by “*for design and construction of closures*”.

6.2.4.2 Delete the third row of the table (after the two header rows) including the text “*for periodic inspection and test*”.

6.2.5.3 In the first sentence after the heading insert “shell” after “pressure receptacle”.

In the sentence immediately after the end of the **NOTE** delete “and their closures”.

6.2.5.4.1 In the first sentence replace “receptacles” by “receptacle shells”.

In the sentence preceding the algebraic formulae insert “shell” after “receptacle” (twice).
