

Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

19 February 2024

Joint Meeting of the RID Committee of Experts and the
Working Party on the Transport of Dangerous Goods

Bern, 25-28 March 2024

Item 3 of the provisional agenda:

Standards

Report of the Working Group on Standards

Transmitted by the European Committee for Standardisation (CEN)

Introduction

1. The Working Group on Standards held a virtual meeting on 1 February 2024 when it reviewed the standards listed in document ECE/TRANS/WP.15/AC.1/2024/9. Standards EN ISO 10297:[2024] *Gas cylinders – Cylinder valves – Specification and type testing* and EN 13322-1:[2024] *Transportable gas cylinders – Refillable welded steel gas cylinders – Design and construction – Part 1: Welded steel* were not included in document ECE/TRANS/WP.15/AC.1/2024/9. These two standards have been assessed by the Joint Meeting standards advisor and found to be suitable for referencing in the RID/ADR and are included in this document.

2. Results

2.1 The proposals in part 3 below are made based on document ECE/TRANS/WP.15/AC.1/2024/9 – Information on work of the Working Group on Standards and the two standards referenced above.

2.2 Four replacement standards are proposed for referencing. Standards not yet published show their dates in square brackets.

2.3 prEN ISO 11118 *Gas cylinders – Non-refillable metallic gas cylinders – Specification and test methods* was assessed. A concern was raised about the marking requirements in the standard that whilst they permit national or regional variations, the standard is not in full compliance with the regulations. The amount of space to apply marks to a small cylinder is limited. Consequently, it was agreed that the chair would approach industry associations including ECMA, Liquid Gas Europe and EIGA about preparing a proposal to amend the *Model Regulations* for the marks on small cylinders. In any case, the standard will not be published in time for inclusion in the 2025 edition of the RID/ADR.

Proposals

3. Proposed additions to the list of standards for reference in RID/ADR 2025

3.1 Draft amendment relating to standard EN ISO 17871:2020 + A1:[2024]

6.2.4.1 Amend the table *for design and construction of closures* as follows:

For EN ISO 17871:2020 in column (4) replace “Until further notice” by “Between 1 January 2023 and 31 December 2026”. After the row for “EN ISO 17871:2020” insert the following new row:

EN ISO 17871:2020 + A1:[2024]	Gas cylinders – Quick-release cylinder valves – Specification and type testing	6.2.3.1, 6.2.3.3 and 6.2.3.4	Until further notice
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3.2 Draft amendment relating to standard EN ISO 10297:[2024]

Amend Table 4.1.6.15.1: Standards for UN and non-UN pressure receptacles as follows, new text underlined:

Applicable paragraphs	Reference	Title of document
4.1.6.8 Valves with inherent protection	Clause 4.6.2 of EN ISO 10297:2006 or clause 5.5.2 of EN ISO 10297:2014 or clause 5.5.2 of EN ISO 10297:2014 + A1:2017 <u>[or clause 5.4.2 of EN ISO 10297:[2024]]</u>	Gas cylinders – Cylinder valves – Specification and type testing

6.2.4.1 Amend the tables *for design and construction of closures* as follows:

For EN ISO 10297:2014 +A1:2017 in column (4) replace “Until further notice” by “Between 1 January 2019 and 31 December 2026” After the row for “EN ISO 10297:2014 +A1:2017” insert the following new row:

EN ISO 10297: [2024]	Gas cylinders – Cylinder valves – Specification and type testing	6.2.3.1 and 6.2.3.3	Until further notice	
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3.3 Draft amendment relating to standard EN 12972:2018 + A1:[2024]

6.8.2.3.2 In the Note, replace EN 12972:2018 with EN 12972:2018+A1:[2024].

6.8.2.6.2 For EN 12972:2018, in column (4) replace “Until further notice” by “Until 31 December 2026”. After the row for EN 12972:2018 insert the following row:

EN 12972:2018+ A1:[2024]	Tanks for transport of dangerous goods – Testing, inspection and marking of metallic tanks	6.8.2.1.23, 6.8.2.4 and 6.8.3.4	Until further notice
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3.4 Draft amendment relating to standard EN 13322-1:[2024]

6.2.4.1 Amend the table “*for the design and construction of pressure receptacles or pressure receptacle shells*”.

For EN 13322-1:2003 +A1:2006 in column (4) replace “Until further notice” by “Between 1 January 2007 until 31 December 2026”. After the row for EN 13322-1:2003 + A1:2006 insert the following new row:

EN 13322-1:[2024]	Transportable gas cylinders – Refillable welded steel gas cylinders – Design and construction – Part 1: Welded steel	6.2.3.1 and 6.2.3.4	Until further notice	
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4. EN 14432 and EN 14433 – Comment from UN secretariat

Whilst preparing the consolidated version of ADR 2025, the UN secretariat noticed a different reference in 6.8.2.6.1, *Design and Construction*, in the table for equipment column (3), for EN 14432:2014 and EN 14432:2023. This also applied to EN 14433:2014 and EN 14433:2023.

In RID/ADR 2021, for these two 2014 standards, reference was made to 6.8.2.3.1 for the last paragraph on equipment approval. With RID/ADR 2023 6.8.2.3.1 became 6.8.2.3.2 so the reference was automatically changed without looking at the text in detail. For RID/ADR 2025 and the 2023 versions of these standards it was suggested to refer to 6.8.2.3.1, a more suitable text.

6.8.2.6.1 For EN 14432:2014 and EN 14433:2014 in column (3) replace “6.8.2.3.2” by “6.8.2.3.1”.

5. Information on standards referenced in RID/ADR

In May 2023, CEN communicated to the Joint Meeting secretariats an updated list of the latest versions of standards to be cited in RID/ADR. This list was reviewed, and it was identified that the following changes should be proposed:

(a) In P200 (11) EN 1439:2021 *LPG equipment and accessories – Procedure for checking transportable refillable LPG cylinders before, during and after filling* is referenced. As well EN 14794:2005 *LPG equipment and accessories – Transportable refillable aluminium cylinders for liquefied petroleum gas (LPG) – Procedure for checking before, during and after filling* is also referenced. Standard EN 14794 has been withdrawn and requirements incorporated into EN 1439. Consequently, it is proposed to delete the entry of EN 14794 at the end of the table of P200 (11).

(b) EN ISO 9712:2012 *Non-destructive testing – Qualification and certification of NDT personnel – General principles* has been replaced by EN ISO 9712:2022. Standard EN ISO 9712:2012 is referenced in 6.8.4 TT8 and TT11. EN ISO 9712 is referenced extensively in the standards of Chapter 6.2, however in these standards EN ISO 9712 is undated. As the dated edition of the standard is only referenced in Chapter 6.8, the Tanks Working Group have been asked to advise if the updated edition should be used or if the standard can be undated.

6. General Purpose Standards

No general purpose standards have been published since the last Joint Meeting. Nevertheless, it has been identified that EN 590:2013 + A1:2017 has been replaced by EN 590:2022 *Automotive fuels. Diesel. Requirements and test methods*.

EN 590 is referenced in 3.2.1, in 4.1.1.21.6 for UN 1202 and in 9.1.1.2. The Standards Working Group requests that the appropriate experts are consulted to confirm if standard EN 590:2022 should be included in RID/ADR or if the standard could be referenced undated.

7. Column (3) in tables in Chapters 6.2 and 6.8

At the September 2023 session a late item was included in the report of the Standards Working Group concerning column (3) in Chapters 6.2 and 6.8. At their meeting in February 2024 the Standards Working Group discussed column (3) in more depth. It was noted that there is no equivalent column in the *Model Regulations*. It was considered that column (3)

was of use when standards were first introduced into RID/ADR. Members of the Standards Working Group said that when they look at a standard, they would not just look at the sections referenced in column (3) but the entire regulations. In fact, all said they did not look at column (3).

The recommendation to the Joint Meeting from the Standards Working Group is that column (3) is removed from Chapters 6.2 and 6.8. If the Joint Meeting agrees to this, an official document will be submitted for the next Joint Meeting for the removal of column (3) and any consequential changes.
