

Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

26 January 2022

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

Bern, 14–18 March 2022

Item 3 of the provisional agenda

Standards

Report of the Standards Working Group (34th meeting)

1.1 The Working Group on Standards held a virtual meeting on 24th of January 2022 when it reviewed the standards listed in document ECE/TRANS/WP.15/AC.1/2022/11. Owing to data handling issues in CEN and ISO a further four relevant standards were added to this list and a total of seven dispatches were posted. Additionally, France asked for a previous decision on EN ISO 21029-2:2015 to be reviewed. The draft report of this meeting was discussed at a further virtual meeting on 26th January.

1.2 The Chair informed the working group of his retirement in April 2022 so this would be his last meeting.

2. Results

2.1. The proposals in part 3 of this report are made on the basis of INF.5.

2.2. One standard new to RID/ADR and eleven replacement standards are proposed for referencing. Standards with finalised text but not yet published show their dates in square brackets.

Proposals

3 Proposed additions to the list of standards for reference in RID/ADR 2023

3.1 Draft amendments relating to standard EN 12245:[2022]

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

- For "EN 12245:2009 + A1:2011" in column (4) replace “Until further notice” by “Between 1 January 2013 and 31 December 2024”. After the row for "EN 12245:2009 + A1:2011", insert the following new row:

EN 12245:[2022]	Transportable gas cylinders - Fully wrapped composite cylinders <i>NOTE: This standard shall not be used for gases classified as LPG.</i>	6.2.3.1 and 6.2.3.4	Until further notice	
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3.2 Draft amendment relating to standard EN 14427:[2022]

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

- For "EN 14427:2014" in column (4) replace “Until further notice” by “Between 1 January 2015 and 31 December 2024”. After the row for "EN 14427:2014" insert the following row.

EN 14427:[2022]	LPG equipment and accessories - Transportable refillable composite cylinders for LPG - Design and construction	6.2.3.1 and 6.2.3.4	Until further notice	
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3.3 Draft amendments relating to standard EN 12252:[2022]

(ADR only) 6.8.2.6.1 Amend the Table “for equipment” as follows:

- For "EN 12252:2014" in column (2), renumber the Note as Note 1 and insert the following Note 2: “**NOTE 2: Safety valves are mandatory from 1 January 2024.** In column (4) replace “Until further notice” by “Between 1 January 2017 and 31 December 2024”. After the row for "EN 12252:2014" insert the following row.

EN 12252:[2022]	LPG equipment and accessories - Equipping of LPG road tankers <i>NOTE 1: Road tankers is to be understood in the meaning of "fixed tanks" and "demountable tanks" as per ADR.</i> <i>NOTE 2: Safety valves are mandatory from 1 January 2024.</i>	6.8.3.2 and 6.8.3.4.9	Until further notice	
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Also, prior to publication, CEN will correct the calculation for the safety valve capacity.

3.4 Draft amendments relating to standard EN 14912:[2022]

1.6.2 Add the following transition measure

"1.6.2.21 In Standard EN 14912:2015 referenced in packing instruction P200 (12) 3.4 of 4.1.4.1 in force up to 31 December 2022 may continue to be used for valve refurbishing or inspection until 31 December 2024."

4.1.4.1 P200 (12) 3.4

- Replace “EN 14912:2005” by “EN 14912:[2022]”.

6.2.4.2 Amend the table as follows;

- For “EN 14912:2005”, in column (3) replace “Mandatorily from 1 January 2019” with “Until 31 December 2024”. After the row for “EN 14912:2005”, insert the following row:

EN 14912:[2022]	LPG equipment and accessories - Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders	Mandatorily from 1 January 2025		
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3.5 Draft amendments relating to standard EN ISO 17871:2020

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

- For “EN ISO 17871:2015 + A1:2018”, in column (3) replace “Until further notice” with “Between 1 January 2019 and 31 December 2024”. After the row for “EN 17871:2015 + A1:2018”, insert the following row:

EN ISO 17871:2020	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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3.6 Draft amendments relating to standard EN ISO 14246:[2022]

6.2.4.1 Amend the table “*for design and construction of closures*” as follows;

- For “EN ISO 14246:2014 + A1:2017”, in column (3) replace “Until further notice” with “Between 1 January 2019 and 31 December 2024”. After the row for “EN ISO 14246:2014 + A1:2017”, insert the following row:

EN ISO 14246:[2022]	Gas cylinders - Cylinder valves - Manufacturing tests and examina- tions	6.2.3.1, and 6.2.3.4	Until further notice	
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3.7 Draft amendments relating to standard EN ISO 23826:2021

6.2.4.1 Insert the following new row at the end of the table “*for design and construction of closures*”:

EN ISO 23826:2021	Gas cylinders - Ball valves - Speci- fication and testing	6.2.3.1 and 6.2.3.3	Mandatorily from 1 Janu- ary 2025	
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6.8.2.6.1 Insert the following new row at the end of the table “*For equipment*”

EN ISO 23826:2021	Gas cylinders - Ball valves - Specification and testing	6.8.2.1.1 and 6.8.2.2.1	Mandatorily from 1 Janu- ary 2025	
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3.8 Draft amendment relating to standard EN ISO 22434:[2022]

1.6.2 Add the following transition measure

"1.6.2.22 Standard EN ISO 22434:2011 referenced in packing instruction P200 (13) 3.4 of 4.1.4.1 in force up to 31 December 2022 may continue to be used for valve refurbishing or inspection until 31 December 2024."

4.1.1.4 P200 (13) 3.4

- Replace “EN ISO 22434:2011” by “EN ISO 22434:[2022]”.

6.2.4.2 Amend the table as follows;

- For “EN ISO 22434:2011”, in column (3) replace “Until further notice” with “Until 31 December 2024”. After the row for “EN ISO 22434:2011”, insert the following row:

EN ISO 22434:[2022]	Gas cylinders - Inspection and maintenance of valves		Mandatorily from 1 January 2025	
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3.9 Draft amendment relating to standard EN 13094:2020 + A1:[2022]

6.8.2.6.1 Amend the Table “*For design and construction of tanks*” as follows:

- For "EN 13094:2015" in column (4) replace “Until further notice” by “Between 1 January 2017 and 31 December 2024”. After the row for "EN 13094:2015" insert the following row.

EN 13904:2020 + A1:[2022]	Tanks for the transport of danger- ous goods - Metallic gravity-dis- charge tanks - Design and construc- tion.	6.8.2.1	Until further notice	
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3.10 Draft amendments relating to standard EN ISO 18119:2018 + A1:2021

6.2.3.5.1 In Note 3, replace “EN ISO 18119:2018” by:

"EN ISO 18119:2018 + A1:2021".

6.2.4.2 Amend the table as follows;

- For “EN ISO 18119:2018”, in column (3) replace “Until further notice” with “Until 31 December 2024”. After the row for “EN ISO 18119:2018”, insert the following row:

EN ISO 18119:2018 + A1:2021	Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - Amendment 1 NOTE: <i>Notwithstanding clause B.1 of this standard all cylinders and tubes whose wall thickness is less than the minimum design wall thickness shall be rejected</i>	Mandatorily from 1 January 2025
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3.11 Draft amendments relating to standard EN ISO 21029-2:2015

6.2.4.2 Amend the table as follows;

- For “EN 1251-3:2000”, in column (3) replace “Until further notice” with “Until 31 December 2024”. After the row for “EN 1251-3:2000”, insert the following row:

EN ISO 21029- 2:2015	Cryogenic vessels — Transportable vacuum insulated vessels of not more than 1 000 litres volume — Part 2: Operational requirements NOTE: <i>Notwithstanding clause 14 of this standard, pressure relief valves shall be periodically inspected and tested at intervals not exceeding 5 years.</i>	Mandatorily from 1 January 2025
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3.12 Draft amendment relating to standard EN 14025:[2022]

6.8.2.6.1 Amend the Table “*For design and construction of tanks*” as follows:

- For "EN 14025:2018 + AC:2020" in column (4) replace “Until further notice” by “Between 1 January 2021 and 31 December 2024”. After the row for "EN 14025:2018 + AC:2020" insert the following row.

EN 14025:[2022]	Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction. NOTE: <i>Materials of shells shall at least be attested by a type 3.1 certificate issued in accordance with standard EN 10204.</i>	6.8.2.1	Until further notice	
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(ADR only) 6.8.4 (d), TT11

- replace "EN 14025:2018" by "EN 14025:[2022]".

4 Future Proposal for EN 14841

The Working Group on Standards examined prEN 14841 *LPG equipment and accessories - Discharge procedures for LPG rail tankers*. This standard is still under development so is not ready for referencing. However, it concerns the filling and unloading of rail tanks with LPG. There are few requirements for these activities and most occur in section 1.4.3 of RID. The Working Group has therefore suggested the following draft amendments to RID.

- Add the following sentence to the existing NOTE in 1.4.3.3 of RID: “EN 14841:202x provides guidance on filling tank-wagons with LPG.”
- Add the following sentence to the existing NOTE in 1.4.3.7 of RID: “EN 14841:202x provides guidance on unloading LPG from tank-wagons.”

The Working Group would welcome comments from the experts of RID as to the suitability of this method of referencing this standard in this way.
