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117th session

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Report of the Working Party on its 117th session

Held in Geneva from 6 to 8 May 2025

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I. Attendance

1. The Working Party on the Transport of Dangerous Goods held its 117th session from 6 to 8 May 2025, with Ms. A. Roumier (France) as Chair and Mr. A. Simoni (Italy) as Vice-Chair.
2. Representatives from the following countries took part in the session: Austria, Belarus, Czechia, Denmark, Finland, France, Georgia, Germany, Hungary, Italy, Netherlands (Kingdom of the), Latvia, Luxembourg, Norway, Poland, Portugal, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Türkiye and United Kingdom of Great Britain and Northern Ireland.
3. The following intergovernmental organization was represented: Intergovernmental Organization for International Carriage by Rail (OTIF).
4. The following non-governmental organizations were represented: European Chemical Industry Council (Cefic), European Confederation of Fuel Distributors (ECFD), European Industrial Gases Association (EIGA), International Association of the Body and Trailer Building Industry (CLCCR), International Association of Dangerous Goods Safety Advisers (IASA), International Organization of Automobile Manufacturers (OICA) and International Road Transport Union (IRU).

II. Consequences of the financial situation of the United Nations

5. A member of the secretariat recalled that the duration of the session had been reduced to three days instead of the planned five due to the limited number of official documents submitted. The secretariat indicated that such a reduction was in line with the cash conservation measures introduced by the Secretary-General in view of the Organization's financial situation. Those measures included reducing the number of meetings and official documents, and adjusting programmes of work accordingly.
6. The secretariat also reported that the unit's P2 post had been vacant since December 2024 following the temporary secondment of its current incumbent to another post in the Division, and that the cash conservation measures implemented were also affecting the recruitment process.

III. Adoption of the agenda (agenda item 1)

Documents: ECE/TRANS/WP.15/270 and ECE/TRANS/WP.15/270/Add.1 (Secretariat)

Informal documents: INF.1, INF.2 and INF.15/Rev.1 (Secretariat)

7. The Working Party adopted the provisional agenda prepared by the secretariat, as amended by informal document INF.2 to take account of informal documents INF.1 to INF.19.

IV. Eighty-seventh session of the Inland Transport Committee (agenda item 2)

Document: ECE/TRANS/356 (Report of the Inland Transport Committee on its eighty-seventh session) (*to come*)

8. The secretariat informed the Working Party of the relevant outcomes of the latest session of the Inland Transport Committee (ITC) (11–14 February 2025). The Working Party noted with satisfaction that the Committee had approved the results of its work for 2024 and adopted its programme of work and programme of meetings for 2025. The Working Party also welcomed the confirmation of the publication, in 2025, of the consolidated texts of ADR and ADN, as amended on 1 January 2025.

9. The Working Party noted with concern that the United Nations was not in a position to provide the translation and publication of ADR 2025 in Arabic without external funding, due to the current liquidity crisis of the United Nations and in the absence of a mandate from the Economic and Social Council, and that this situation would likely be the same for the 2027 edition.

V. Status of the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) and related issues (agenda item 3)

A. Status of the Agreement

10. There were no changes to the status of ADR (54 Contracting Parties) nor to that of the Protocol of amendment of 1993 (40 Contracting Parties) since the last session.

11. The Working Party noted that the correction to 1.8.8.1.4 adopted at its 116th session (ECE/TRANS/WP.15/269, paras. 12–14 and annex I) had been made (depositary notifications C.N.16.2025.TREATIES-XI.B.14 of 3 January 2025 and C.N.159.2025.TREATIES-XI.B.14 of 8 April 2025).

B. Protocol of amendment of 1993

12. The Working Party deplored the fact that there were still 14 countries (Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Croatia, Iceland, Kazakhstan, Montenegro, Morocco, Nigeria, North Macedonia, San Marino, Tajikistan and Uganda) that had not deposited the appropriate legal instrument, thereby preventing the Protocol from entering into force. The Working Party encouraged those countries to take the necessary steps to ratify or accede to the Protocol.

C. Certificate of driver's training

Informal document: INF.8 (North Macedonia)

13. The secretariat recalled that, in accordance with 8.2.2.8.6 of ADR, Contracting Parties were requested to send the Economic Commission for Europe an example of the national model for any certificate intended for issue, together with explanatory notes to enable the verification of conformity of certificates against the examples provided. ADR Contracting Parties were invited to verify the validity of the models published at <https://unece.org/transport/dangerous-goods/adr-certificates>.

14. The Working Party noted that the example of the certificates issued by North Macedonia had been modified since 16 April 2025 and that that information had been updated on the website.

VI. Work of the RID/ADR/ADN Joint Meeting (agenda item 4)

A. Texts adopted by the Joint Meeting at its spring 2025 session

Document: ECE/TRANS/WP.15/AC.1/174 (Report of the Joint Meeting on its spring 2025 session) (Secretariat)

Informal document: INF.12 (Secretariat)

15. The Working Party adopted the proposed amendments contained in informal document INF.12 (see annex I).

16. The Working Party noted that the texts kept in square brackets would be approved at the following session after confirmation by the Joint Meeting at its autumn 2025 session.

B. Transport of UN Nos. 0081, 0082, 0084, 0241, 0331, 0332 and 0482 in accordance with 1.1.3.6

Document: ECE/TRANS/WP.15/AC.1/2025/9 (Sweden)

Informal documents: INF.3 (Secretariat), INF.9 (Sweden)

17. Following the adoption of the proposed amendment to 1.1.3.6 in informal document INF.12, the delegations that spoke considered that, from the point of view of safety, it was not desirable to maintain the exemption from the requirement to load packages in EX vehicles for UN Nos. 0081, 0082, 0084, 0241, 0331, 0332 and 0482 when the total net explosive mass per transport unit was not more than 50 kg.

18. The Working Party confirmed that the option of a transitional measure to allow that exemption to continue for a limited period was preferable and adopted the proposal in informal document INF.9 with some editorial changes (see annex I).

19. The deadline for application of that transitional measure had been kept in square brackets for confirmation at the following session.

VII. Proposals for amendments to annexes A and B of ADR (agenda item 5)

A. Miscellaneous proposals

1. Proposal of amendment to the French version of 5.4.1.1.3.1

Document: ECE/TRANS/WP.15/2025/6 (Secretariat)

20. The Working Party adopted the proposal in document ECE/TRANS/WP.15/2025/6 (see annex I).

2. Terminology used in the Russian version of ADR

Informal document: INF.4 (Secretariat)

21. The Working Party noted that the corrections to the Russian version proposed by the Russian Federation had been transmitted to the translation services of the United Nations in Geneva so that they could be taken into account in the 2027 edition of ADR.

3. Carriage of articles with classification code 1.4S in category E tunnels

Document: ECE/TRANS/WP.15/2025/3 (Switzerland)

Informal document: INF.17 (France)

22. Some delegations felt that the entries concerned should be examined on a case-by-case basis, also considering consistency with the security provisions.

23. The representative of Switzerland said that she would prepare a revised proposal, either for the Working Party or for the Joint Meeting, as appropriate, to take account of the comments received.

4. Location of the certificate of approval for trailers

Informal documents: INF.5 (EIGA), INF.16 (Norway), INF.19 (Norway)

24. The revised proposal in informal document INF.19 was adopted as amended to replace “transport unit” by “trailer” (see annex I). The Working Party noted that a multilateral agreement would be initiated to allow early application of this provision.

B. Construction and approval of vehicles

1. Amendment of UN Regulation No. 46 concerning camera monitoring systems

Document: ECE/TRANS/WP.15/2025/1 (Germany)

Informal document: INF.13, paragraphs 8–11 (Chair of the informal working group on electrified vehicles)

25. The World Forum for Harmonization of Vehicle Regulations (WP.29), at its November 2024 session, had adopted a proposal to allow the use of camera monitor systems in vehicles for the carriage of dangerous goods with a device to de-energize the electrical circuits.

26. In line with that decision, the Working Party adopted the proposed amendment to 9.2.2.8.2, as amended in paragraph 11 of informal document INF.13 (see annex I).

27. The Working Party did not wish to give a decision at the current session on the proposal to add recommendations for the crew of such vehicles to Chapter 8.3 and agreed to return to that item at its 118th session, if necessary, in the light of the text of Regulation No. 46, as amended.

2. Section 9.2.4.4.1 – Electric power train “external signal”

Document: ECE/TRANS/WP.15/2025/4 (OICA)

Informal document: INF.13, paragraphs 6 and 7 (Chair of the informal working group on electrified vehicles)

28. The Working Party confirmed the interpretation proposed by OICA and requested the secretariat to publish that interpretation on the ECE website (see annex II).

3. Reduction of the risk of BLEVE

Informal documents: INF.6 (United Kingdom on behalf of the informal working group on the reduction of the risk of BLEVE), INF.18 (OICA)

29. The Working Party confirmed that the informal working group on the reduction of the risk of BLEVE could meet again, before the autumn 2025 session of the Joint Meeting, to discuss the arguments developed by OICA in informal document INF.18. Delegations that wished to do so were invited to send their comments to the informal working group through the representative of the United Kingdom.

4. Use of vehicles equipped with an automated driving system (ADS)

Informal document: INF.11 (United Kingdom)

30. The representative of the United Kingdom wished to initiate an exchange of views on the appropriateness of using automated vehicles in ADR.

31. The Working Party confirmed that automated driving systems were developing rapidly and that it might be necessary to adapt ADR and the annexes thereto to take them into account, whether or not they were authorized for the carriage of dangerous goods.

32. Several delegations were of the opinion that driverless vehicles should not be used for the carriage of dangerous goods. However, the Working Party noted that the definitions of driver and crew in ADR should be clarified to distinguish the driver from persons who performed transport-related tasks other than driving.

33. The Working Party requested the secretariat to organize, with the WP.29 secretariat, a presentation of automated driving system categories and technologies at the 118th session.

5. Battery electric vehicles and hydrogen fuelled vehicles

Informal document: INF.13 (Chair of the informal working group on electrified vehicles)

34. Concerning the comments relating to 9.2.4.4 in the table in 9.2.1.1, a member of the secretariat clarified that the cross had been introduced by mistake during the preparation of the published English version of ADR 2025 and that that had been corrected in the corrigendum issued in document ECE/TRANS/352/Corr.1.

35. However, the Working Party agreed that the addition of crosses in the table in 9.2.1.1 for 9.2.4.4 was useful because of the current text under the heading of 9.2.4.4.

36. The Working Party adopted the proposal in paragraph 14 in square brackets (see annex I).

37. The Working Party adopted the proposals in paragraphs 16 and 17 to add a line relating to the thermal protection of endurance braking systems, as was the case in ADR 2023 (see annex I).

38. The Working Party adopted the proposal in paragraph 21 to clarify 9.2.2.8.1 in square brackets for confirmation at its 118th session after discussion in the informal working group on electrified vehicles (see annex I).

VIII. Interpretation of ADR (agenda item 6)

A. Exemption under 1.1.3.7

Document: ECE/TRANS/WP.15/2025/5 (CLCCR)

39. As the text of 1.1.3.7 also applied to RID and ADN, the Working Party invited the representative of CLCCR to forward his questions to the Joint Meeting. It should be checked whether the differences in wording between 1.1.3.2 (a) and 1.1.3.3, which restricted the scope of exemption to equipment used or intended for use during carriage, and 1.1.3.7, which did not provide for that restriction, were the result of a conscious decision and whether that difference was still justified.

B. Certificate of approval for vehicles carrying certain dangerous goods

Document: ECE/TRANS/WP.15/2025/7 (Russian Federation)

40. The discussion showed that the measures implemented by the competent authorities in application of the note appearing on the certificate of approval varied from country to country, but also according to the different possible cases.

41. The Working Party agreed that that point could be developed in the guidelines for the certificate of approval in accordance with 9.1.3 (ECE/TRANS/WP.15/226, annex II, as amended by ECE/TRANS/WP.15/237, annex IV).

42. The Working Party also recognized that the notion of “operator” should be clarified in ADR.

43. The representative of the Russian Federation said that he would revert to the issue with proposals for clarification of the existing texts.

C. Requirements in 9.2.2.8 and 9.2.2.9

Document: ECE/TRANS/WP.15/2025/8 (Russian Federation)

44. The delegations which spoke confirmed that the control device for de-energizing installed in the driver's cab did not have to be marked in accordance with standard IEC 60079.

45. The representative of OICA confirmed that such marking was not required because the circuits were not permanently energized.

IX. Circular economy, sustainable use of natural resources and Sustainable Development Goals (agenda item 7)

46. The Working Party confirmed that the discussions on electrified vehicles were in line with Measure 31 of the ITC's Decarbonisation Strategy Action Plan: "Ensure the safe and secure deployment of low- and zero-carbon modes, technologies for vehicles and their charging infrastructure".

X. Programme of work (agenda item 8)

47. The Working Party confirmed that the agenda items for the following session (scheduled for 3–7 November 2025) would include: Adoption of the agenda; Status of ADR and related issues; Work of the RID/ADR/ADN Joint Meeting; Proposals for amendments to annexes A and B of ADR; Interpretation of ADR; Circular economy, sustainable use of natural resources and Sustainable Development Goals; Programme of work; Any other business; Election of officers; Adoption of the report.

48. The Working Party noted that the deadline for submission of official documents would be 11 August 2025 and that delegations should inform the secretariat by 28 July 2025 of their intention to submit official documents so that the forecast of translation requests could be adjusted.

XI. Any other business (agenda item 9)

Proposal for terms of reference for an informal working group on ADR driver's examination standardization

Document: ECE/TRANS/WP.15/2025/2 (IRU)

Informal documents: INF.7 (Netherlands), INF.10 (Sweden) and INF.14 (Finland)

49. Opinion was divided on the relevance of continuing work to establish a catalogue of questions for mandatory use for driver examinations.

50. Several delegations were in favour of the establishment of that catalogue and its future use in the organization of examinations at the national level. Other delegations did not want to make its use mandatory.

51. Several delegations expressed reservations about the feasibility and effectiveness of such a system and the significant impact that the introduction of that catalogue would have on the examination systems used in certain countries.

52. The proposal from IRU was put to the vote but was not adopted.

XII. Adoption of the report (agenda item 10)

53. The Working Party adopted the report on its 117th session and its annexes based on a draft prepared by the secretariat.

Annex I

Draft amendments to annexes A and B of ADR for entry into force on 1 January 2027

Chapter 1.1

1.1.3.6.3 In table note a, delete: “0081, 0082, 0084, 0241, 0331, 0332, 0482,”.

(Reference document: informal document INF.12)

1.1.4.7 Add the following new paragraph:

“1.1.4.7.3 *Disposal of refillable pressure receptacles*

- (a) Refillable pressure receptacles authorised by the United States of America Department of Transportation and constructed in accordance with standards listed in Part 178, *Specifications for Packagings* of Title 49, Transportation, of the *Code of Federal Regulations*, that have been imported in accordance with 1.1.4.7.1, may be carried to a facility for disposal.

Such pressure receptacles shall not be offered for carriage:

- (i) When leaking;
- (ii) When damaged to such an extent that the integrity of the pressure receptacle or its service equipment may be affected;
- (iii) Unless the pressure receptacle and its service equipment has been examined and found to be in good working order; and
- (iv) Unless the required certification, retest, and filling marks are legible.
- (b) These pressure receptacles shall be marked and labelled in accordance with Chapter 5.2.”

(Reference document: informal document INF.12)

Chapter 1.3

1.3.1 Amend the beginning of the first sentence to read: “Persons participating in the activities referred to in Chapter 1.4,”.

In the second sentence, replace “Employees” by “They”.

(Reference document: informal document INF.12)

1.3.2 After the existing text, add the following sentence: “The term “personnel”, as used in 1.3.2.1, 1.3.2.2 and 1.3.2.3, is understood to include each person with an equivalent role or function.”.

(Reference document: informal document INF.12)

1.3.3 At the end, add the following sentence: “These record keeping obligations extend to the persons mentioned in 1.3.1 except if the participants referred to in Chapter 1.4 are keeping these records.”.

(Reference document: informal document INF.12)

Chapter 1.6

1.6.1 Add the following new transitional measure:

- “1.6.1.58 The instructions in writing in accordance with the requirements of ADR applicable up to 31 December 2026, but which do not however conform to the requirements of 5.4.3 applicable as from 1 January 2027, may continue to be used until 31 December 2027.”

(Reference document: informal document INF.12)

- 1.6.2.19 Amend to read as follows:

- “1.6.2.19 Acetylene cylinders constructed before 1 July 2023 which are not marked in accordance with 6.2.2.7.3 (k) (ii) and (iii) or (l) (ii) and (iii) applicable as from 1 January 2023 may continue to be used without the application of the marks detailed in 6.2.2.7.3 (k) (ii) and (iii) or (l) (ii) and (iii) if the marks can neither be applied on the cylinder shoulder nor on any neck ring.”

(Reference document: informal document INF.12)

- 1.6.3 Add the following new transitional measure:

- “1.6.3.63 Fixed tanks (tank-vehicles) and demountable tanks constructed before 1 January 2029 in accordance with the requirements in force up to 31 December 2026, but which however do not conform to the requirements of 6.8.2.2.12 and 6.8.2.2.13 applicable from 1 January 2027 may continue be used.”

(Reference document: informal document INF.12)

- 1.6.4 Add the following new transitional measure:

- “1.6.4.67 Tank-containers constructed before 1 January 2029 in accordance with the requirements in force up to 31 December 2026, but which however do not conform to the requirements of 6.8.2.2.12 and 6.8.2.2.13 applicable from 1 January 2027 may continue be used.”

(Reference document: informal document INF.12)

- 1.6.5 Add the following new transitional measure:

- “1.6.5.30 For the carriage of substances assigned to UN Nos. 0081, 0082, 0084, 0241, 0331, 0332 and 0482, with a maximum total net mass of 50 kg, the provisions relating to EX vehicles in 7.2.4, special provision V2, need not be applied until [1 January 2031].”

(Reference document: informal document INF.9 as amended)

Chapter 1.8

- 1.8.7.2.1.2 Amend sub-paragraph (d) to read as follows:

- “(d) As applicable, approve or verify the suitability of:
- (i) the qualification of the procedures for the permanent joining of parts;
 - (ii) the qualification of the personnel undertaking the permanent joining of parts;
 - (iii) the qualification of the personnel undertaking the non-destructive tests;”

(Reference document: informal document INF.12)

- 1.8.7.3.2 Amend sub-paragraph (d) to read as follows:

- “(d) As applicable, verify the validity of:
- (i) the qualification of the personnel undertaking the permanent joining of parts;
 - (ii) the qualification of the personnel undertaking the non-destructive tests;”

(Reference document: informal document INF.12)

Chapter 1.10

- 1.10.2.4 At the end, add the following sentence: “These record keeping obligations extend to the persons mentioned in 1.3.1 except if the participants referred to in Chapter 1.4 are keeping these records.”.

(Reference document: informal document INF.12)

Chapter 2.2

- 2.2.2.1.6 In the first note, in the first sentence, replace “table note c” by “table note h”.

(Reference document: informal document INF.12)

- 2.2.2.1.7 In the Note 1, replace “table note c” by “table note h”.

(Reference document: informal document INF.12)

Chapter 3.2

Table A

For UN Nos. 3090, 3091, 3480, 3481, 3551 and 3552, in column (6), add “680”.

(Reference document: informal document INF.12)

For UN Nos. 1003, 1005, 1008, 1009, 1010, 1011, 1012, 1013, 1017, 1018, 1020, 1021, 1022, 1026, 1027, 1028, 1029, 1030, 1032, 1033, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1048, 1050, 1053, 1055, 1058, 1060, 1061, 1062, 1063, 1064, 1070, 1073, 1075, 1077, 1078, 1079, 1080, 1082, 1083, 1085, 1086, 1087, 1581, 1582, 1749, 1858, 1859, 1860, 1912, 1913, 1951, 1952, 1958, 1959, 1961, 1962, 1963, 1965, 1966, 1967, 1968, 1969, 1970, 1972, 1973, 1974, 1976, 1977, 1978, 1982, 1983, 1984, 2035, 2036, 2044, 2073, 2187, 2189, 2191, 2193, 2197, 2200, 2201, 2203, 2204, 2417, 2419, 2420, 2422, 2424, 2451, 2452, 2453, 2454, 2517, 2591, 2599, 2601, 2602, 2901, 3057, 3070, 3083, 3136, 3138, 3153, 3154, 3157, 3158, 3159, 3160, 3161, 3162, 3163, 3220, 3252, 3296, 3297, 3298, 3299, 3300, 3307, 3308, 3309, 3310, 3311, 3312, 3318, 3337, 3338, 3339, 3340, 3354, 3355 and 3553, in column (13), insert “TM6”.

(Reference document: informal document INF.12)

For UN No. 2672, in column (13), insert “TA6”.

(Reference document: informal document INF.12)

[For UN Nos. 1089, 1108, 1133, 1144, 1155, 1167, 1210, PG I, 1243, 1263, PG I, 1265, PG I, 1267, PG I, 1268, PG I, 1280, 1303, 1308, PG I, 1863, PG I, 1866, PG I, 1989, PG I, 1993, PG I, 2059, PG I, 2336, 2356, 2363, 2371, 2389, 2456, 2459, 2561, 2749, 3295, PG I, 3336, PG I, 1093, 1099, 1131, 1194, 1221, 1297, PG I, 1921, 1986, PG I, 1988, PG I, 1991, 1992, PG I, 2336, 2753, 2758, PG I, 2760, PG I, 2762, PG I, 2764, PG I, 2772, PG I, 2776, PG I, 2778, PG I, 2780, PG I, 2782, PG I, 2784, PG I, 2787, PG I, 2924, PG I, 2983, 3021, PG I, 3024, PG I, 3273, PG I, 3286, PG I, 3346, PG I, 3350, PG I, 3469, 3494 and 1183, 1242, 1295, 1928, 2965, 2988, 3399, PG I, 3482, in column (13), insert “TU44”.]

(Reference document: informal document INF.12)

Chapter 3.3

- 3.3.1 Add the following new special provision:

“680 When the packaging is designed to be used and carried under the conditions specified in sub-paragraph (f) of the packaging performance assessment criteria outlined in table note a of packing instruction P911 (2) in 4.1.4.1 or LP906 (2) in 4.1.4.3, the consignor shall provide the loader and the carrier with the description of the surrounding conditions in which the packaging may be used and carried. This description shall be attached to the transport document.”

(Reference document: informal document INF.12)

Chapter 4.1

4.1.1.11 Add the following new title to the paragraph: “Empty packagings”.

Number the existing text as 4.1.1.11.1.

In the note, replace “may also be carried under UN No. 3509” by “may alternatively be carried under the provisions for UN No. 3509, in bulk or packaged,”.

(Reference document: informal document INF.12)

4.1.1.11 Add the following new paragraph:

“4.1.1.11.2 Empty, uncleaned drums and IBCs having small amounts of residues that can only be removed with disproportionate technical effort may be carried for disposal, recycling or recovery of their material even if:

- The permitted period of use according to 4.1.1.15 is exceeded;
- The date of expiry of the last periodic test or inspection has passed as determined by 4.1.2.2; or
- Information and documentation on the use of drums and IBCs as provided in 4.1.1.1, 6.1.1.5, 6.1.3.6, 6.1.5.8, 6.5.1.1.4 and 6.5.6.14 is not available.

The following requirements shall be fulfilled:

- (a) Drums and IBCs exceed a capacity of 150 litres;
- (b) Residues present in drums and IBCs shall not be:
 - (i) Dangerous goods of classes 1, 2, 4.2, 4.3, 5.2, 6.2 and 7;
 - (ii) Substances assigned to packing group I or that have "0" assigned in Column (7a) of Table A of Chapter 3.2;
 - (iii) Desensitized explosive substances of Class 3 or Class 4.1;
 - (iv) Self-reactive substances of Class 4.1;
 - (v) Radioactive material; or
 - (vi) Asbestos (UN Nos. 2212 and 2590), polychlorinated biphenyls (UN Nos. 2315 and 3432) and polyhalogenated biphenyls, halogenated monomethyldiphenylmethanes or polyhalogenated terphenyls (UN Nos. 3151 and 3152);
- (c) Drums and IBCs remain upright and firmly closed using the original closure devices or other securing devices, so that they remain secure and leakproof under normal conditions of carriage;
- (d) The labelling and marking correspond to the residues present in the drums and IBCs; and
- (e) Information in the transport document complies with 5.4.1.1.6.

All other provisions of ADR shall be fulfilled.”

(Reference document: informal document INF.12)

4.1.6.10 In the last sentence, replace “performing inspection or disposal,” by “performing inspection, disposal, recycling or recovery of its material,”.

(Reference document: informal document INF.12)

Chapter 4.3

4.3.2.3 Insert the following new 4.3.2.3.8 and 4.3.2.3.9:

“4.3.2.3.8 The heating system shall be set or controlled so that a substance cannot reach a temperature at which the pressure in the tank exceeds its maximum working pressure or causes other hazards (e.g. dangerous thermal decomposition).

4.3.2.3.9 The heating system shall be set or controlled so that power for internal heating elements shall not be available unless the heating elements are completely submerged. The surface temperature of the heating elements for internal heating equipment, or shell temperature if external heating equipment is employed shall not exceed 80% of the autoignition temperature (in °C) of the substance carried.”

(Reference document: informal document INF.12)

[4.3.5 Add the following new special provision TU44:

| | |
|-------|---|
| “TU44 | Fixed tanks (tank-vehicles) and demountable tanks shall have a maximum working pressure of at least 3 bar as these substances have a boiling point of not more than 35°C.”] |
|-------|---|

(Reference document: informal document INF.12)

Chapter 5.3

5.3.5 Amend to read as follows:

“5.3.5 Orange band

Extra-large tank-containers intended for the carriage of liquefied, refrigerated liquefied or dissolved gases shall be marked with an unbroken, orange, non-reflectorized band, about 30 cm wide, in the colour tone "RAL 2003 pastel orange" encircling the tank at mid-height. Changes in colour caused by weather exposure that do not affect the identification as an orange band are permitted.”

(Reference document: informal document INF.12)

Chapter 5.4

5.4.0.2 The amendment in the French version does not apply to the English text.

(Reference document: informal document INF.12)

5.4.1.1.1 In sub-paragraph (c), in the second indent, amend the note to read:

“**NOTE:** For radioactive material with a subsidiary hazard, to which special provision 172 of Chapter 3.3 is assigned in Column (6) of Table A of Chapter 3.2, see [sub-paragraph (c) of] this special provision.”

In sub-paragraph (d), amend the note to read:

“**NOTE:** For radioactive material with a subsidiary hazard, to which special provision 172 of Chapter 3.3 is assigned in Column (6) of Table A of Chapter 3.2, see sub-paragraph (d) of this special provision.”

(Reference document: informal document INF.12)

5.4.1.1.3.1 Amendment not applicable to English.

(Reference document: document ECE/TRANS/WP.15/2025/6)

5.4.1.1.3.2 Amend sub-paragraph (c) to read:

- “(c) For tanks, provided that a device or procedure is used to ensure compliance with the regulated degrees of filling.”

Amend the paragraph with the three indents to read:

“Such estimation of the quantity is not allowed for:

- (d) Exemptions for which the exact quantity is essential (e.g. 1.1.3.6);
- (e) Waste containing substances mentioned in 2.1.3.5.3, with the exception of:
 - (i) UN 3291 clinical waste, unspecified, n.o.s. or (bio) medical waste, n.o.s. or regulated medical waste, in packagings conforming to packing instruction P621, IBC620 or LP621;
 - (ii) UN 1950 aerosols and UN 2037 gas cartridges;
 - (iii) Waste carried under 4.1.1.5.3;
- (f) Substances of Class 4.3.”

(Reference document: informal document INF.12)

5.4.1.1.24 At the end, amend the last line to read:

““CARRIAGE IN ACCORDANCE WITH 1.1.4.7.2” or
“CARRIAGE IN ACCORDANCE WITH 1.1.4.7.3”, as appropriate.”

(Reference document: informal document INF.12)

5.4.1.2.5.1 In sub-paragraph (b), amend the last sentence to read: “For radioactive material with a subsidiary hazard, to which special provision 172 of Chapter 3.3 is assigned in Column (6) of Table A of Chapter 3.2, see sub-paragraph (c) of this special provision;”

(Reference document: informal document INF.12)

5.4.3.4 In the tables on pages 2 and 3 of the instructions in writing, amend the following:

- In the row for label 1.4, amend the text in column (2) to read “Slight possibility of explosion and fire.”.
- In the row for label 2.1, in column (2), replace “Risk of fire. Risk of explosion.” by “May cause fire. May cause explosion.”.
- In the row for label 2.1, in column (2), replace “Risk of asphyxiation.” by “May cause asphyxiation.”.
- In the row for label 2.2, in column (2), replace “Risk of asphyxiation.” by “May cause asphyxiation.”.
- In the row for label 2.3, in column (2), replace “Risk of intoxication.” by “May cause intoxication.”.
- In the row for label 3, in column (2), replace “Risk of fire. Risk of explosion.” by “May cause fire. May cause explosion.”.
- In the row for label 4.1, in column (2), replace “Risk of fire.” by “May cause fire.”.
- In the row for label 4.1, in column (2), replace “Risk of explosion of desensitized explosives after loss of desensitizer.” by “Loss of desensitizer in desensitized explosives may lead to an explosion.”.
- In the row for label 4.2, in column (2), in the first sentence, replace “Risk of” by “May cause”.
- In the row for label 4.3, in column (2), replace “Risk of” by “May cause”.

- In the row for label 5.1, in column (2), replace “Risk of” by “May cause”.
- In the row for label 5.2, in column (2), in the first sentence, replace “Risk of” by “May cause”.
- In the row for label 6.1, in column (2), in the first sentence, replace “Risk of” by “May cause”.
- In the row for label 6.1, in column (2), in the second sentence, replace “Risk” by “Hazardous”.
- In the row for label 6.2, in column (2), in the first sentence, replace “Risk of” by “May cause”.
- In the row for label 6.2, in column (2), in the third sentence, replace “Risk” by “Hazardous”.
- In the row for labels 7A, 7B, 7C and 7D, in column (2), replace “Risk” by “Hazard”.
- In the row for label 7E, in column (2), replace “Risk of” by “May cause”.
- In the row for label 8, in column (2), in the first sentence, replace “Risk of” by “May cause”.
- In the row for label 8, in column (2), in the fourth sentence, replace “Risk” by “Hazardous”.
- In the row for labels 9 and 9A, in column (2), in the first three sentences, replace “Risk of” by “May cause”.
- In the row for labels 9 and 9A, in column (2), in the fourth sentence, replace “Risk” by “Hazardous”.

On page 3 of the instructions in writing, in Note 1 replace “risks” by “hazards”.

In the table on page 4 of the instructions in writing, amend the following:

- In the column heading of column (1), replace “Mark” by “Marks”.
- In the row for the mark for environmentally hazardous substances, in column (2), replace “Risk” by “Hazardous”.
- In the row for the mark for elevated temperature substances, in column (2), replace “Risk of” by “May cause”.

(Reference document: informal document INF.12)

Chapter 6.2

6.2.4.1 In the table, under “*for design and construction of pressure receptacles or pressure receptacle shells*”:

- For EN ISO 7866:2012 + A1:2020, in column (3), replace “Until further notice” by “Between 1 January 2027 and 31 December 2029”.
- After the row for EN ISO 7866:2012 + A1:2020, insert the following new row:

| (1) | (2) | (3) | (4) |
|----------------------------|--|----------------------|-----|
| EN ISO 7866:2012 + A2:2025 | Gas cylinders – Refillable seamless aluminium alloy gas cylinders – Design, construction and testing | Until further notice | |

(Reference document: informal document INF.12)

- 6.2.5.4.2 At the end, replace “EN ISO 7866:2012 + A1:2020” by “EN ISO 7866:2012 + A2:2025”.

(Reference document: informal document INF.12)

Chapter 6.8

- [6.8.2.1.14 At the end, add a Note to read as follows:

“NOTE: Tanks with a calculation pressure of 4 bar that are fitted with a safety valve shall have a maximum working pressure of at least 3 bar (see 6.8.2.2.8).”]

(Reference document: informal document INF.12)

- 6.8.2.2 Add the following new 6.8.2.2.12 and 6.8.2.2.13:

“[6.8.2.2.12 If an electrical heating system is installed, all electrical circuits shall be protected by fuses or automatic circuit breakers. Heating systems powered by external, earthed power supply, shall have an earth leakage circuit breaker with a releasing current of less than 100 mA.]

- 6.8.2.2.13 Electrical switch cabinets mounted to tanks shall not have a direct connection to the tank interior and shall provide protection of at least the equivalent to type IP 56 of IEC 144 or IEC 529.”

(Reference document: informal document INF.12)

- 6.8.2.4.4 Include a new second paragraph to read as follows:

“If service equipment of tanks is replaced by equipment not listed in the type approval of the tank, the tank shall be submitted to an exceptional inspection for the replacement of the service equipment without issuing a supplementary approval certificate for the modification according to 6.8.2.3.4, provided that the replacement equipment:

- Is approved in accordance with the relevant standard referenced in 6.8.2.6 or 6.8.3.6;
- Is of the correct technical specification for the tank;
- Does not modify the initial dimensions and connections;

and that the replacement of the service equipment is carried out without any operation involving the application of heat to the tank.”

(Reference document: informal document INF.12)

- 6.8.3.4.7 Replace “and measurement of the vacuum” by “and verification of the vacuum”.

(Reference document: informal document INF.12)

- 6.8.3.4.13 In the last paragraph, before “fittings”, insert “closures or”.

[At the end of the last paragraph, add the following sentence: “Elements (cylinder shells or tube shells and their closures) that have already been subjected to a leak proofness test during initial inspection and test according to 6.2.3.4.1 do not need to be leak tested if it can be verified that the elements and their closures have not been disassembled prior to assembly into the battery-vehicle or MEGC.”.]

(Reference document: informal document INF.12)

- 6.8.3.5.11 In the left-hand column, in the first sentence, replace “on a plate” by “on a panel on the battery-vehicle”.

In the right-hand column, in the first sentence, replace “on a plate” by “on a panel on the MEGC”.

(Reference document: informal document INF.12)

- 6.8.4 c) Add the following new special provision TA6:

“TA6 This substance may be authorized for carriage in a tank approved for the carriage of UN No. 2073.”

(Reference document: informal document INF.12)

6.8.4 e), TM6 Amend to read as follows:

“TM6 Extra-large tank-containers shall bear an orange band in accordance with 5.3.5.”

(Reference document: informal document INF.12)

Chapter 8.1

8.1.2.2 Add a new note under sub-paragraph (a) to read as follows:

“**NOTE:** The certificate of approval for a trailer need not be in the driver's cab provided it is kept accessible in a safe place on the trailer, protected from the weather.”

(Reference document: informal document INF.19 as amended)

Chapter 9.2

[9.2.1.1 In the Table, amend the line corresponding to 9.2.4.4 to read as follows:

| Technical specifications | EX/II | EX/III | AT | FL | Comments |
|--------------------------|-------|--------|----|----|----------|
| 9.2.4.4 | | | | | |
| Electric power train | X | X | X | X | |

(Reference document: informal document INF.13)]

9.2.1.1 In the Table, add a new line to read as follows:

| | | | | | | |
|---------|---|----------------|---|---|---|---|
| 9.2.3.3 | Thermal shield for the endurance braking system | X ^f | X | X | X | ^f Applicable to motor vehicles with a maximum mass exceeding 16 tonnes or authorized to tow a trailer with a maximum mass exceeding 10 tonnes first registered after 31 March 2018. The endurance braking system shall be of type IIA. |
|---------|---|----------------|---|---|---|---|

(Reference document: informal document INF.13 as amended)

[9.2.2.8.1 Replace the first sentence by: “Features to enable the de-energization of the electrical systems connected to the energy source(s) shall be provided for all voltage levels. They shall be placed as close to the energy sources as practicable.”.

(Reference document: informal document INF.13)]

9.2.2.8.2 Add a new sentence at the end to read: “Vehicles equipped with a Camera Monitoring System according to UN Regulation No. 46⁴ shall have an additional control device installed outside of the driver’s cab.”

Footnote 4 reads as follows:

“⁴ UN Regulation No. 46 (Uniform provisions concerning the approval of devices for indirect vision and of motor vehicles with regard to the installation of these devices).”

Renumber subsequent footnotes accordingly.

(Reference documents: ECE/TRANS/WP.15/2025/1 as amended by informal document INF.13)

9.2.3.3 Amend the heading to read as follows: “Thermal shield for the endurance braking system”.

(Reference document: informal document INF.13 as amended)

Annex II

Interpretation to be published on the ECE website

Term “stationary” in 9.2.4.4.1

In ADR 2025, the term “stationary” in 9.2.4.4.1 shall be interpreted as “when the vehicle is in active driving possible mode (as defined in Regulation No. 100, as amended at least by the 03 series of amendments), at standstill”.

(Reference documents: ECE/TRANS/WP.15/2025/4)
