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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**

Geneva, 19–23 September 2016

Item 3 of the provisional agenda

Standards**Amendment of the reference to standard EN 16509 in 6.2.6.4****Transmitted by the European Cylinder Makers Association (ECMA)^{1,2}***Summary*

- Executive summary:** The aim of this proposal, following the discussion at the September 2015 session of the Joint Meeting, is to amend the marking requirements set out in EN 16509 so as to make these consistent with the marking requirements of RID/ADR.
- Action to be taken:** Replace the text in 6.2.6.4 with that set out in Proposal so that the marking requirements of EN 16509 and RID/ADR are met.
- Related documents:** ECE/TRANS/WP.15/AC.1/138, paragraph 20 and Annex II, Report of Standards Working Group, in Bern, March 2015 – informal document INF.48, proposal 5, and ECE/TRANS/WP.15/AC.1/2015/49

¹ In accordance with the programme of work of the Inland Transport Committee for 2016-2017, (ECE/TRANS/2016/28/Add.1 (9.2)).

² Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2016/38.

Introduction

1. The September Joint Meeting in Geneva, considered that the markings specified in clause 9 of EN 16509 did not comply with the marking requirements of the RID/ADR. It was agreed that ECMA would re-present proposals regarding the markings for EN 16509 cylinders and its inclusion in the RID/ADR.

Issue

2. Cylinders complying with EN 16509 are gas cartridges with a water capacity not exceeding 120 ml and would be transported as UN 2037- 5A or 5O, Limited Quantities. The markings necessary to comply with the RID/ADR requirements are to be found in Chapter 3.4 and section 1.8.8.

3. These are:

- 1.8.8.4.1 (e) – identify the type, applicant and date of production or batch number on the body of the gas cartridge,
- 3.4.7 – specifies that the package shall bear a diamond shape with black corners top and bottom.

4. The markings requirements are set out in clause 9.2 of EN 16509. The marks are applied to the cylinder (i.e. gas cartridge) and to the outer packaging which conforms to that specified in the RID/ADR packing instruction P003.

5. The marks specified in the standard are as follows:

9.2.1 on the cylinder and the outer packaging:

- Name or mark of the manufacturer/party placing the compact cylinders on the market;
- Country of Origin;
- Gas identification by name and/or chemical formula;
- Nominal gas weight or working pressure as appropriate;
- Inspector's mark (if applicable).

9.2.2 on outer packaging only:

- risk identification by symbol/text as appropriate (e.g. pressurised container) examples of hazard labels can be seen in EN ISO 7225;
- number of this standard.

9.2.3 On cylinder only:

- Production date and/or batch number.

6. To meet the mandatory marking requirements of the RID/ADR, the following additions are needed to the marks prescribed in EN 16509:

- on the cylinder – UN 2037/EN16509
- on the outer packaging – the limited quantities mark specified in 3.4.7

Proposal

7. Amend the third indent of paragraph 6.2.6.4 as follows (deletions are shown by strikethrough and new text is underlined).

- for UN No. 2037 small receptacles containing gas (gas cartridges) containing non-toxic, non-flammable compressed or liquefied gases: EN 16509:2014 Transportable gas cylinders – Non-refillable, small transportable, steel cylinders of capacities up to and including 120 ml containing compressed or liquefied gases (compact cylinders) – Design, construction, filling and testing, ~~excluding clause 9~~. In addition to the marks required by this standard the gas cartridge shall be marked “UN 2037/EN 16509” and the outer packaging shall bear the limited quantities mark specified in 3.4.7

Justification

8. The revision proposed will ensure compliance of pressure receptacles to EN 16509:2014 with the requirements of 6.2.6 RID/ADR .
