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Item 3 (b) of the provisional agenda

Proposals for amendments to RID/ADR/ADN: new proposals

Amendment to 6.2.6.1.5

Transmitted by the European Cylinder Makers Association (ECMA)^{1, 2}

Summary

Executive summary: The aim of this proposal is to limit the product of pressure and volume of gas filled small receptacles (gas cartridges) so that it is consistent with values already set in RID/ADR.

Action to be taken: Amend the text in 6.2.6.1.5 of RID/ADR

Reference documents: EN 12205:2001 and ISO 11118:1999

Introduction

1. The amendments to section 6.2.6 of RID/ADR 2013 resulted in the removal of the pressure limit of 1.32 MPa (13.2 bar) from all gas cartridges and no amended limit was put in place in RID/ADR 2015.

¹ In accordance with the programme of work of the Inland Transport Committee for 2014–2015 (ECE/TRANS/240, para. 100, ECE/TRANS/2014/23, cluster 9, para.9.2).

² Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2015/50.

Issue

2. The present regulations would permit gas cartridges up to one litre filled with gases of categories A and O to be considered as limited quantities with no maximum pressure limited by the regulations. This is inconsistent with the requirements of all other pressure receptacles in the RID/ADR.

Proposal

3. In 6.2.6.1.5, after " shall meet the test pressure and filling requirements of P200 of 4.1.4.1." add "In addition, the product of maximum permissible test pressure and water capacity shall not exceed 175 bar.litres and the test pressure does not exceed 250 bar for liquefied gases or 450 bar for compressed gases."

Justification

4. The amendment set out in the proposal will ensure that gas cartridges also meet relevant requirements that are placed on other non-refillable pressure receptacles.
