
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
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Standards

28 February 2014

Terms of references for an ad hoc group "Provisions on equipment for tanks and pressure receptacles"

Transmitted by the European Industrial Gases Association (EIGA)

Introduction

Further to the proposal from CEN in document ECE/TRANS/WP.15/AC.1/2013/8, and the subsequent document Inf 46 Rev 1 submitted to the Joint Meeting in March 2013, EIGA would like to see the work progress and is willing to offer both a chairman and secretarial support for this project. Consequently, the Joint Meeting is requested to agree to the formation of an informal intersessional group.

Proposal

The Working Group would be requested to proceed as proposed in Inf 46 Rev 1 from March 2013.

1. Clarification of meaning of the term of the term “pressure receptacle” to include or exclude their closures

Considering that:

- the term “pressure receptacle” as defined in 1.2.1 RID/ADR which does not include or excludes their closures and that the requirements of chapter 6.2 are addressed to “pressure receptacles and their closures” (6.2.1.1, 6.2.1.2.1, 6.2.1.2.2, 6.2.3.1.1 and 6.2.5.3) whereas other requirements are related to the term “pressure receptacle” (6.2.1.1.4, 6.2.1.1.6, 6.2.1.1.8.2, 6.2.1.1.9, 6.2.1.3.3, 6.2.1.3.4, 6.2.1.3.5, 6.2.1.6.1. and others)
- “Pressure receptacles” are declared member of the term “receptacle” in 1.2.1 RID/ADR which, per definition includes “any means of closing”
- directive 2008/68/EC defines “transportable pressure equipment” as “all pressure receptacles, their valves and other accessories when appropriate, as covered in Chapter 6.2 ...“of RID/ADR.

2. Investigation of the completeness of requirements on the design, conformity assessment and marking of closures of pressure receptacles.

Considering that this may require additional requirements on:

- the design and type testing (a general design requirement to prevent damage during normal handling and carriage and the safe design against specified design performance tests may need to be added such as a gas leak tightness (capability) requirement (independent from the activity requirement in 4.1.4.1) and an endurance requirement
- Requirements on the type approval of closures which appears at present in 6.2.3.6.1 (and not in 6.2.1.4) on conformity assessment procedures and valid for “valves and other accessories having a direct safety function”.
- Requirements on initial inspection and tests in 6.2.1.5, possibly including requirements on:
 - the conformity with design standard and/or approved design type specification (batch testing)
 - a check of connecting thread using gauges (batch testing)
 - leak tightness (all items)
 - external conditions, visual (all items)
 - check of marking (all items).
- Requirements on the marking:
 - where additional items such as the design specification (standard reference number) or the design type approval number may be added.

3. Investigation of the completeness of requirements on the design, conformity assessment and marking of service equipments of tanks.

Some of these suggestions may also be relevant for “service equipment” of “tanks” which, by definition include its service equipment.
