

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

Bern, 18-22 March 2013

Item 3 of the provisional agenda

Standards

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

Transmitted by the European Committee for Standardisation (CEN)

Reference document ECE/TRANS/WP.15/AC.1/2013/8, item III; terms of references for the ad hoc Working Group to be established

Proposal

The following terms of references are proposed.

The Working Group is asked to consider

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

considering that

- the term “pressure receptacle” as defined in 1.2.1 RID/ADR which doesn't in- nor 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.
