

## 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, 22–26 March 2010

Item 2 of the provisional agenda

##### Tanks

### Definition of maximum working pressure in 1.2.1: (Amendments to document ECE/TRANS/WP.15/AC.1/2010/38)

#### Transmitted by the Government of the Netherlands

##### *Summary*

**Executive summary:** Amendments to the definition of maximum working pressure in 1.2.1.

**Action to be taken:** To amend the current text in 1.2.1 of RID/ADR.

**Relevant documents:** ECE/TRANS/WP.15/AC.1/2010/38.

## Introduction

1. In document -/2010/38 an amendment was proposed
  - To prevent different interpretations of the wording of the definition of maximum working pressure and
  - To amend the text concerning the vapour pressure of substances in relation to the maximum working pressure.
2. The main reason for this informal document is that we were made aware that the amendment for presentation of the vapour pressure (minus 1 bar), as proposed in document -/2010/38, is not acceptable from the point of safety. The effect of the proposed amendment on other aspects in Chapter 6.8 was overlooked. Therefore this part of the original proposal of document -2010/38 is withdrawn.
3. After our opinion, the maximum working pressure is the pressure in the ullage space above the substance, under the conditions indicated in the definition in 1.2.1. The wording of some of the conditions in the definition of maximum working pressure can be interpreted in such way that the pressure in the lowest part of the tank should be taken, which is slightly higher than the pressure in the upper part of the tank, due to the pressure by the mass of the substance carried. We were made aware that the vapour pressure at 50 °C can occur during carriage, but will not be “measured” as indicated in our original proposal of document -/2010/38. Therefore we amend the original proposal of document -/2010/38 in this respect.

## Proposal

4. The amendments to the definition of maximum working pressure in 1.2.1 are presented below in bold italics.

"Maximum working pressure (gauge pressure)" means the highest of the following three pressures *at the top of the tank while in operating position:*

... (Remainder unchanged)".

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