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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, 13–17 March 2017

Item 2 of the provisional agenda

Tanks

6.8.3.2.9 Items of equipment – Relief valves

Transmitted by the European Industrial Gases Association (EIGA)*,**

Introduction

1. At the Joint Meeting in September 2016, ECE/TRANS/WP.15/AC.1/2016/26 was submitted by the expert from the Netherlands and proposed to introduce a new paragraph at the end of 6.8.3.2.9 to read (new wording in *italic script*):

Safety valves that may collect water, due to rain or spray, that will prevent correct functioning [in the case the water is frozen,] shall be provided with a rain cap. The rain cap shall not appreciably increase the discharge pressure or limit the flow of the discharge.”.

2. The Working Group on Tanks discussed this proposal and in its report, ECE/TRANS/WP.15/AC.1/144/Add.1, a proposal was made to amend this to read (new wording in *italic script*):

Safety valves that may collect water, for example due to rain or spray, which would prevent their correct functioning, for example if the water freezes, shall be provided with a protective cap. The protective cap shall not affect the performance of the valve.

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

** Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2017/13.

3. EIGA was concerned that this did not cover the specific issues of Class 2 products at very low temperatures and requested to make a new proposal to the Joint Meeting in March 2017.

Proposal

4. A new paragraph is proposed to be added at the end of 6.8.3.2.9 to read, (new wording in *italic script*)

Safety valves that may collect water, for example due to rain or spray, which would prevent their correct functioning, for example if the water freezes, shall be suitably protected from water accumulation e.g. with a cap. Any protection shall not affect the performance of the valve.

Note. Safety valves intended for use with refrigerated liquefied gases are designed and tested in accordance with 6.8.3.2.12 to pass fluids at cryogenic temperatures without freezing and do not require any additional protection against water accumulation.

5. Introduce a new transitional measure in 1.6.3 and 1.6.4 to read: 1.6.3x/4y, (new wording in *italic script*):

Safety valves meeting the requirements applicable up to 31 December 2018 but which do not meet the requirements of 6.8.3.2.9 regarding the suitable protection applicable from 1 January 2019 may continue to be used [until the next intermediate or periodic inspection after 1 July 2019].

Justification

6. This revised text addresses the specific concerns related to refrigerated liquefied gases, whilst still addressing the points raised in ECE/TRANS/WP.15/AC.1/2016/26.
