
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

9 September 2022

Geneva, 12-16 September 2022

Item 2 of the provisional agenda

Tanks

Proposal to develop a standard for relief valves on tank-vehicles carrying dangerous goods other than petroleum products and liquefied petroleum gas

Further information on the proposal to develop a new standard specifically for safety valves and vacuum valves on Chapter 6.8 and Chapter 6.10 tanks other than gravity-discharge tanks, tanks for flammable liquified gases and tanks for refrigerated liquefied gases

Transmitted by the Government of the United Kingdom

1. Further to ECE/TRANS/WP.15/AC.1/2022/31, to clarify, the relief valves and tanks in question, for which a new standard is proposed to be developed, are specifically the safety valves and vacuum valves required by 6.8.2.2.3, 6.8.2.2.7 and 6.8.2.2.8 for Chapter 6.8 tanks and by 6.10.2.1 and 6.10.2.2 for Chapter 6.10 tanks.
 2. For safety reasons, standard EN 14595:2016 *Tanks for transport of dangerous goods – Service equipment - Breather device* is referenced in 6.8.2.6.1 for the approval of the breather devices and safety devices required by 6.8.2.2.6 for gravity-discharge tanks. Likewise, standard EN 14129:2014 *LPG Equipment and accessories - Pressure relief valves for LPG pressure vessels* is referenced in 6.8.2.6.1 for the approval of the safety valves required by 6.8.3.2.9 for tanks intended for the carriage of flammable liquified gases. And standard EN 13648-1:2008 *Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service* is referenced in 6.8.2.6.1 for the approval of the safety valves required by 6.8.3.2.11 for tanks intended for the carriage of refrigerated liquified gases. But no such standard(s) is(are) referenced in 6.8.2.6.1 for the approval of the safety valves and vacuum valves required by 6.8.2.2.3, 6.8.2.2.7 and 6.8.2.2.8 for Chapter 6.8 tanks and by 6.10.2.1 and 6.10.2.2 for Chapter 6.10 tanks. Furthermore, apparently no suitable applicable standard(s) exist for such valves. Hence the proposal in ECE/TRANS/WP.15/AC.1/2022/31, for the Joint Meeting to consider, prior to the next meeting of the technical committee CEN/TC 296 on 17 November 2022, whether such a new standard should be developed.
 3. In addition, in light of the decision to require safety valves on tanks intended for the carriage of flammable liquified gases, it would also be timely for the Joint Meeting to consider whether such valves should also be required for gravity-discharge tanks, and the existent standard EN 14596:2018 *Tanks for transport of dangerous goods – Service equipment for tanks - Emergency pressure relief valve* referenced in 6.8.2.6.1 alongside EN 13648-1:2008, EN 14129:2014 and EN 14595:2016.
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