RID: 11th Session of the RID Committee of Experts’ standing working group
(Vienna, 25 - 29 November 2019)

Subject: Key differences between RID and GOST requirements for the manufacture, equipment, design and testing of tank-wagons (supplement to the main part)

Proposal transmitted by the Russian Federation
Key differences between RID and GOST requirements for the manufacture, equipment, design and testing of tank-wagons (supplement to the main part)
A. Differences in design and operational requirements
- the need to equip all openings having diameters more than 1.5 mm with internal shut-off devices (6.8.3.2.4)

B. Additional design requirements
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C. Clarification of current requirements
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D. Questions on current requirements
- the extent of external stresses for the internal stop-valve and its seating (6.8.2.2.2)
A. Differences in design and operation requirements

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| **A.6** The need to equip all openings having diameters more than 1.5 mm with internal shut-off devices (6.8.3.2.4) | **6.8.3.2.4** All openings, other than those accommodating safety valves and closed bleed holes, of tanks intended for the carriage of liquefied flammable and/or toxic gases shall, if their nominal diameter is more than 1.5 mm, shall be equipped with an internal shut-off device. | **Discharge/filling control devices have a nominal diameter of 6 mm, and they are not equipped with an internal shut-off device. A decrease in the diameter results in these discharge/filling control devices ceasing to function in the normal operation mode.** **At the same time, tank-wagons designed for the carriage of liquefied gases have the protection of their operational equipment.**

Discharge/filling control devices have a nominal diameter of 6 mm, and they are not equipped with an internal shut-off device. A decrease in the diameter results in these discharge/filling control devices ceasing to function in the normal operation mode. At the same time, tank-wagons designed for the carriage of liquefied gases have the protection of their operational equipment.

To supplement clause 6.20.3.2.4 with the following paragraph: “It is acceptable not to equip discharge/filling control devices with a nominal diameter of not more than 6 mm with internal shut-off devices, provided that the tank-wagon is equipped with the fitting protection equipment.”

**Angle stop-valve**

**Tank-wagons equipped with fittings protection equipment, intended for the carriage of liquefied gases**
In order to avoid any loss of contents in the event of damage to the external fittings (pipes, lateral shut-off devices), the internal stop-valve and its seating shall be protected against the danger of being wrenched off by external stresses or shall be so designed as to resist them ...

Questions:
1. What external stresses are meant? What is their extent and which direction(s) do they come from?
2. Is there a standard which specifies these requirements?

Proposal: to draft this sentence in such a way that the main requirement would be to avoid any loss of contents, without specifying stresses. The following is a possible version of the wording:

“The internal stop-valve and its seating shall be protected or designed so as to avoid any loss of contents in the event of damage to the external fittings (pipes, lateral shut-off devices) when they are externally exposed in case of emergency.”