

## **Proposal for amendments to UN Regulation No. 110**

The text produced below has been prepared by the Chairman of the LNG Task Force (LNG TF) (Netherlands) to address issues and concerns about proposed amendments to R.110 (ECE-TRANS-WP.29-GRSG-2013-7e) by the Delegate from France. In this case, the amendments more accurately identify the correct device for cryogenic applications as well as improved internal consistency within the proposed amendments in R.110.

### **I. Proposal**

Annex 4O, paragraph 2.7., correct to read:

"2.7. LNG fuel pump shall be provided with pressure relief ~~device~~ **valve** to limit the pressure to the maximum safe working pressure of the pump."

### **II. Justification**

This proposed amendment correctly refers to the device intended for cryogenic applications. Pressure relief *valves* (PRVs) are designed specifically to allow liquid gas to be vented, if needed, whereas pressure alone from the pumped fuel would not normally trigger a PRV.

Once opened, PRVs close again if fault clears or pressure is reduced to safe level, minimising LNG loss, whereas pressure relief *devices* (PRDs) are one time devices that vent all pressure from system even if fault condition clears.

---