

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.

I. Proposal

Paragraph 18.13., amend to read:

"18.13. The LNG system in category M vehicles shall be equipped with a natural gas detector and/or gas tight housing. The LNG system in category N vehicles may be equipped with a natural gas detector **if the fuel storage tank and associated piping is mounted on the exterior of the vehicle without the possibility of gas trapping (as in paragraph 18.12.). If the fuel storage tank is located inside the cargo area of a category N vehicle then a natural gas detector and/or gas tight housing is mandatory.**"

II. Justification

This proposal addresses concerns about provisions regarding LNG components fitted in the cargo area of an N type vehicle. This provision for commercial vehicles aligns with that for M type vehicles but more specifically provides the option for a single or double redundant safety system in the case where a fuel storage system is located inside a vehicle. At least one safety system is mandated with an optional redundant system left to the discretion of the LNG system supplier and/or the regulatory authority.
