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**Economic Commission for Europe****Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****180th session**

Geneva, 10–12 March 2020

Item 4.8.9 of the provisional agenda

**1958 Agreement:****Consideration of draft amendments to existing****UN Regulations submitted by GRSG****Proposal for Supplement 1 of 04 series of amendments to  
UN Regulation No. 110 (CNG and LNG vehicles)****Submitted by the experts from the Working Party on General Safety\***

The text reproduced below was adopted by the Working Party on General Safety (GRSG) at its 117th session (ECE/TRANS/WP.29/GRSG/96, para. 47). It is based on ECE/TRANS/WP.29/GRSG/2019/26 as amended by GRSG-117-18-Rev.1. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their March 2020 sessions.

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\* In accordance with the programme of work of the Inland Transport Committee for 2020 as outlined in proposed programme budget for 2020 (A/74/6 (part V sect. 20) para 20.37), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate..



## Supplement 1 of 04 series of amendments to UN Regulation No. 110 (CNG and LNG vehicles)

*Annex 3A, paragraph 4.1.4., replace to read:*

"4.1.4. Periodic technical inspections and requalification of cylinders

4.1.4.1. Periodic technical inspection

Periodic technical inspection means the inspection of vehicles performed at specified intervals according to national regulations. Guidelines for the visual inspection of each cylinder during its service life shall be provided by the cylinder manufacturer on the basis of use under service conditions specified herein.

Each cylinder shall be visually inspected at least every 48 months after the date of its entry into service on the vehicle (vehicle registration), and at the time of any reinstallation, for external damage and deterioration. The visual inspection shall be performed in accordance with the manufacturer's specifications: Cylinders without a label containing mandatory information or with labels containing mandatory information that are illegible in any way shall be removed from service. If the cylinder can be positively identified by the manufacturer and serial number, a replacement label may be applied, allowing the cylinder to remain in service.

4.1.4.2. Periodic requalification

Periodic requalification means an inspection or testing of cylinders at specified intervals according to national regulations whereby cylinders are re-qualified for a further period of service. For those countries that require a periodic requalification, the procedure shall be performed in accordance with the relevant regulations of the country(ies) where the cylinders are used and also in consideration of the manufacturer's specifications.

Periodic requalification shall be done at least every 48 months after the date of its entry into service on the vehicle (vehicle registration), and at the time of any reinstallation, for external damage and deterioration. The requalification shall be performed in accordance with the manufacturer's specifications: Cylinders without a label containing mandatory information or with labels containing mandatory information that are illegible in any way shall be removed from service. If the cylinder can be positively identified by manufacturer and serial number, a replacement label may be applied, allowing the cylinder to remain in service."

*In accordance with the inserted paragraphs above, re-number the following paragraphs:*

"4.1.4.3. Cylinders involved in collisions

4.1.4.4. Cylinders involved in fires"

*Annex 3B, paragraph 2.1.3., amend to read:*

"2.1.3. Periodic technical inspections and requalification of tanks

2.1.3.1. Periodic technical inspection

Periodic technical inspection means the inspection of vehicles performed at specified intervals according to national regulations. Guidelines for the visual inspection of each tank during its service life shall be provided by the tank manufacturer on the basis of use under service conditions specified herein.

Each tank shall be visually inspected at least every 120 months after the date of its entry into service on the vehicle (vehicle registration), and at the time of any reinstallation, for external damage and deterioration. The visual inspection shall be performed in accordance with the manufacturer's specifications: Tanks without a label containing mandatory information or with labels containing

mandatory information that are illegible in any way shall be removed from service. If the tank can be positively identified by manufacturer and serial number, a replacement label may be applied, allowing the tank to remain in service.

2.1.3.2. Periodic requalification

Periodic requalification means an inspection or testing of tanks at specified intervals according to national regulations whereby tanks are re-qualified for a further period of service. For those countries that require a periodic requalification, the procedure shall be performed in accordance with the relevant regulations of the country(ies) where the tanks are used and also in consideration of the manufacturer's specifications.

Periodic requalification shall be done at least every 120 months after the date of its entry into service on the vehicle (vehicle registration), and at the time of any reinstallation, for external damage and deterioration. The requalification shall be performed in accordance with the manufacturer's specifications: Tanks without a label containing mandatory information or with labels containing mandatory information that are illegible in any way shall be removed from service. If the tank can be positively identified by manufacturer and serial number, a replacement label may be applied, allowing the tank to remain in service."

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