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Item 4.8.4 of the provisional agenda

**1958 Agreement – Consideration of draft amendments
to existing Regulations submitted by GRSG**

Proposal for Supplement 14 to the 01 series of amendments to Regulation No. 67 (LPG vehicles)

Submitted by the Working Party on General Safety Provisions*

The text reproduced below was adopted by the Working Party on General Safety Provisions (GRSG) at its 105th session (ECE/TRANS/WP.29/GRSG/84, para. 35). It is based on ECE/TRANS/WP.29/GRSG/2013/24 as amended by paragraph 35 of the report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration.

* In accordance with the programme of work of the Inland Transport Committee for 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

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Part I, insert a new paragraph 4.4., to read:

- "4.4. In addition to provisions of paragraphs 4.1. and 4.2., one of the following additional marks shall be used for remotely controlled service valves and remotely controlled shut-off valves which comply respectively with paragraph 4.7. of Annex 3 or with paragraph 1.7. of Annex 7:
- (a) "H1"
 - (b) "H2"
 - (c) "H3" "

Part II, insert a new paragraph 14.1.3., to read:

- "14.1.3. "Commanded stop phase" defines the period of time during which the combustion engine is switched off automatically for fuel saving and is allowed to start again automatically."

Part II, insert new paragraphs 17.6.1.4. and 17.6.1.5., to read:

- "17.6.1.4. Notwithstanding the provisions of paragraph 17.6.1.2., the remotely controlled service valve may stay in an open position during the commanded stop phases.
- 17.6.1.5. If the remotely controlled service valve is closed during commanded stop phases, the valve shall comply with paragraph 4.7. of Annex 3."

Part II, insert new paragraphs 17.9.6. and 17.9.7., to read:

- "17.9.6. Notwithstanding the provisions of paragraph 17.9.4., the remotely controlled shut-off valve may stay in an open position during the commanded stop phases.
- 17.9.7. If the remotely controlled shut-off valve is closed during commanded stop phases, the valve shall comply with paragraph 1.7. of Annex 7."

Annex 3, insert new paragraph 4.7., to read:

- "4.7. If the remotely controlled service valve is closed during commanded stop phases, the valve shall be submitted to the following numbers of operations during the endurance test of paragraph 9. of Annex 15:
- (a) 200,000 cycles (mark "H1") if the engine shuts off automatically when the vehicle comes to a halt.
 - (b) 500,000 cycles (mark "H2") if, in addition to (a), the engine also shuts off automatically when the vehicle drives with the electric motor only.
 - (c) 1,000,000 cycles (mark "H3") if, in addition to (a) or (b), the engine also shuts off automatically when the accelerator pedal is released.
- Notwithstanding the above-mentioned provisions, the valve complying with (b) shall be deemed to satisfy (a), and the valve complying with (c) shall be deemed to satisfy (a) and (b)."

Annex 7, insert new paragraph 1.7., to read:

- "1.7. If the remotely controlled shut-off valve is closed during commanded stop phases, the valve shall be submitted to the numbers of operations according to

paragraph 4.7. of Annex 3 during the endurance test of paragraph 9. of Annex 15."

Annex 14, insert new paragraph 2.1., to read:

"2.1. Notwithstanding the provisions of paragraphs 1. and 2., the remotely controlled service valve(s) and shut-off valves may stay in an open position during the commanded stop phases."
