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Item 9 of the provisional agenda

Regulation No. 110 (Specific components for CNG)**Proposal for a Supplement to the 01 series of amendments to Regulation No. 110****Submitted by the expert from the Netherlands***

The text reproduced below was prepared by the expert from the Netherlands to correct the provisions of Chapter 18 following the introduction of automatic valves (see report ECE/TRANS/WP.29/GRSG/84, para. 38). The modifications to the current text of Regulation No. 110 are marked in bold for new or as strikethrough for deleted characters.

* 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.

I. Proposal

Paragraphs 18.3.4. to 18.3.5.7., amend to read:

- "18.3.4. The LNG system shall contain at least the following components:
- 18.3.4.1. LNG tank(s) or vessel(s);
 - 18.3.4.2. LNG heat exchanger / vaporizer;
 - 18.3.4.3. LNG pressure relief valve;
 - 18.3.4.4. LNG venting system;
 - 18.3.4.5. LNG receptacle;
 - 18.3.4.6. LNG excess flow valve (excess flow limiting device);
 - 18.3.4.7. LNG valve (manual);
 - 18.3.4.8. **LNG valve (automatic);**
 - ~~18.3.4.8.9.~~ LNG fuel line;
 - ~~18.3.4.9.10.~~ LNG couplings;
 - ~~18.3.4.10.11.~~ LNG check valve or non-return valve;
 - ~~18.3.4.11.12.~~ LNG pressure indicator or fuel indicator;
 - ~~18.3.4.12.13.~~ Electronic control unit;
 - ~~18.3.4.13.14.~~ Natural gas detector or gas tight housing, for category M vehicles.
- 18.3.5. The LNG system may also include the following components:
- 18.3.5.1. LNG pressure regulator;
 - 18.3.5.2. LNG pressure and/or temperature sensor;
 - 18.3.5.3. LNG fuel pump;
 - 18.3.5.4. LNG level gauge;
 - ~~18.3.5.5.~~ ~~LNG automatic valve;~~
 - 18.3.5.6.5. Natural gas detector;
 - 18.3.5.7.6. Gas tight housing."

II. Justification

The automatic valve for Liquefied Natural Gas (LNG) equipment is already a mandatory item in Regulation No. 110 (see paragraph 8.13.1. of the Regulation) and, therefore, it should have been listed under the "shall contain" list of items specified in paragraph 18.3.4. This inconsistency in the text of Regulation No. 110 shall be corrected.
