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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on General Safety Provisions****114th session**

Geneva, 9-13 April 2018

Item 6(a) of the provisional agenda

Amendments to gas-fuelled vehicle regulations:**UN Regulation No. 67 (LPG vehicles)****Proposal for Supplement 16 to the 01 series of amendments to UN Regulation No. 67 (LPG vehicles)****Submitted by the expert from Poland ***

The text reproduced below was prepared by the expert from Poland to amend UN Regulation No. 67 to simplify and adapt to technical progress, the definition of a type of container and Annex 2B. It is mainly based on informal documents GRSG-113-08 and GRSG-113-10, presented at the 113th session of the Working Party on General Safety Provisions (GRSG) (see report ECE/TRANS/WP.29/GRSG/92, paras. 36 and 37). The modifications to the current text of UN Regulation No. 67 are marked in bold for new characters and as strikethrough for deleted ones.

* In accordance with the programme of work of the Inland Transport Committee for 2014–2018 (ECE/TRANS/240, para. 105 and ECE/TRANS/2014/26, cluster 02.4), 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.

GE.18-01061(E)



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Please recycle The recycling symbol, consisting of three chasing arrows forming a triangle.



I. Proposal

Paragraph 2.4., to read:

"2.4. "Type of container" means containers which do not differ in respect to the following characteristics as specified in Annex 10:

- ~~(a)~~ ——— The trade name(s) or trade mark(s);
- ~~(b)~~ (a) The shape (cylindrical, special shape);
- ~~(c)~~ (b) The openings (plate for accessories/metal ring);
- ~~(d)~~ (c) The material;
- ~~(e)~~ (d) The welding process (in case of metal containers);
- ~~(f)~~ (e) The heat treatment (in case of metal containers);
- ~~(g)~~ (f) The production line;
- ~~(h)~~ (g) The nominal wall thickness;
- ~~(i)~~ (h) The diameter;
- ~~(j)~~ (i) The height (in case of special containers)."

Annex 2B, amend to read:

"Annex 2B

Communication

(Maximum format: A4 (210 x 297 mm))



issued by: Name of administration:
.....
.....
.....

Concerning:† Approval granted
Approval extended
Approval refused
Approval withdrawn
Production definitively discontinued

* Distinguishing number of the country which has granted/extended/refused/withdrawn approval (see approval provisions in the Regulation.)

† ~~Strike out what does not apply~~ Erase/Delete what does not apply.

of a type of LPG equipment pursuant to Regulation No. 67

Approval No.: Extension No.:

1. LPG equipment considered:²

Container including the configuration of accessories fitted to the container, as laid down in Appendix 1 to this annex.

80 per cent stop valve

Level indicator

Pressure relief valve (discharge valve)

Pressure relief device

Remotely controlled service valve with excess flow valve

Multivalve, including the following accessories:

Gas-tight housing

Power supply bushing (pump/actuators)

Fuel pump

Vaporizer/pressure regulator

Shut-off valve

Non-return valve

Gas-tube pressure relief valve

Service coupling

Flexible hose

Remote filling unit

Gas injection device or injector

Fuel rail

Gas dosage unit

Gas mixing piece

Electronic control unit

Pressure/temperature sensor

LPG filter unit

Multi-component

1.1. Type:

1.2. Variant / Indication mark of technical modification:

1.3. Version

1.4. Class / WP (WP only for Class 0 components):

2. Trade name or mark:

3. Manufacturer's name and address:

4. If applicable, name and address of manufacturer's representative:

5. Submitted for approval on:
6. Technical Service responsible for conducting approval tests:
7. Date of report issued by that Service:
8. No. of report issued by that Service:
9. Approval granted/refused/extended/withdrawn:²
10. Reason(s) of extension (if applicable):
11. Place:
12. Date:
13. Signature:
14. The documents filed with the application or extension of approval can be obtained upon request."

II. Justification

1. This proposal concerns amendments to UN Regulation No. 67 on the layout of the type-approval certificate, specified in Annex 2B, and the definition of a LPG container type.
2. The definition of a LPG container type contains a "trade name". Therefore, the manufacturer should allocate a new container type designation whenever the tank's "trade name" is updated in order to comply strictly with this provision. Altering the "trade name" is of no importance from the technical point of view. Therefore, it is proposed to delete a "trade name" item from the type definition.
3. A second point is that the current layout of the type-approval certificate, which does not yet currently contain in item 1, a description of the approved equipment. For that reason, the type-approval authorities have been tackling this problem in their own way by:
 - (a) entering the type name in item 1. on "LPG equipment considered"; or
 - (b) entering the type name in item 2 on "Trade mark or mark"; or
 - (c) introducing additional points into the certificate not provided by the Regulation; or
 - (d) issuing the type-approval certificates without the type name.
5. This document proposes to enter additional items: type (item 1.1. on Type of equipment), its variant (item 1.2.), version (item 1.3.) and pressure classification (item 1.4. to include the component's working pressure for class 0 components).
6. Furthermore, it is proposed to change footnote ² by replacing "Strike out what does not apply" with "Erase/Delete what does not apply".
7. At present, type-approval certificates with strike out of non-applicable equipment are not legible. The striking out of non-applicable equipment can take up to 50 percent of the type-approval certificate.
8. This proposal will improve the legibility of the type-approval certificate and reduce its size (number of pages).