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Reference: C.N.908.2000.TREATIES-1 (Depositary Notification)

AGREEMENT CONCERNING THE ADOPTION OF UNIFORM TECHNICAL
PRESCRIPTIONS FOR WHEELED VEHICLES, EQUIPMENT AND PARTS
WHICH CAN BE FITTED AND/OR BE USED ON WHEELED VEHICLES AND
THE CONDITIONS FOR RECIPROCAL RECOGNITION OF APPROVALS
GRANTED ON THE BASIS OF THESE PRESCRIPTIONS. GENEVA, 20 MARCH
1958

REGULATION NO. 67. UNIFORM PROVISIONS CONCERNING THE
APPROVAL OF SPECIFIC EQUIPMENT OF MOTOR VEHICLES USING
LIQUEFIED PETROLEUM GASES IN THEIR PROPULSION SYSTEM

PROPOSAL OF AMENDMENTS

On 26 September 2000, the Secretary-General received from the Administrative Committee of the above Agreement, pursuant to article 12 (1) of the Agreement, amendments proposed to the above Regulation.

..... A copy, in the English and French languages, of the document containing the text of the proposed amendments is transmitted herewith (doc. TRANS/WP.29/740).

The Secretary-General wishes to draw attention to article 12 (2) and (3) of the Agreement which read as follows:

"2. An amendment to a Regulation will be considered to be adopted unless, within a period of six months from its notification by the Secretary-General, more than one-third of the Contracting Parties applying the Regulation at the time of notification have informed the Secretary-General of their disagreement with the amendment. If, after this period, the Secretary-General has not received declarations of disagreement of more than one-third of the Contracting Parties applying the Regulation, the Secretary-General shall as soon as possible declare the amendment as adopted and binding upon those Contracting Parties applying the Regulation who did not declare themselves opposed to it. When a Regulation is amended and at least one-fifth of the Contracting Parties applying the unamended Regulation subsequently declare that they wish to continue to apply the unamended Regulation, the unamended Regulation will be regarded as an alternative to the amended Regulation and will be incorporated formally as such into the Regulation with effect from the date of adoption of the amendment or its entry into force. In this case the obligations of the Contracting Parties applying the Regulation shall be the same as set out in paragraph 1.

3. Should a new Contracting Party accede to this Agreement between the time of the notification of the amendment to a Regulation by the Secretary-General and its entry into force, the

Attention: Treaty Services of Ministries of Foreign Affairs and of international organizations concerned.

Regulation in question shall not enter into force for that Contracting Party until two months after it has formally accepted the amendment or two months after the lapse of a period of six months since the communication to that Party by the Secretary-General of the proposed amendment."

29 September 2000

A handwritten signature in black ink, consisting of several stylized, overlapping strokes.



**Economic and Social
Council**

Distr.

GENERAL

TRANS/WP.29/740
31 August 2000

ENGLISH
Original: ENGLISH
and FRENCH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

DRAFT SUPPLEMENT 1 TO THE 01 SERIES OF AMENDMENTS
TO REGULATION No. 67

(Equipment for liquefied petroleum gas)

Note: The text reproduced below was adopted by the Administrative Committee (AC.1) of the amended 1958 Agreement at its fifteenth session, following the recommendation by WP.29 at its one-hundred-and-twenty-first session. It is based on document TRANS/WP.29/2000/40, not amended (TRANS/WP.29/735, para. 118).

Paragraph 6.14.1.2., amend the value of "6,750 kPa" to read "4,500 kPa".

Paragraph 6.14.8.1., amend to read:

"6.14.8.1. The pressure relief valve shall be mounted inside the container or on the container, in the area where the fuel is in gaseous state."

Annex 8,

Insert a new paragraph 3.1.2., to read:

"3.1.2. This chapter covers, in addition to general specifications and tests for synthetic hoses, also specifications and tests applicable for specific material types of a synthetic hose."

Paragraphs 3.1.2., 3.1.3. and 3.1.4. (former), renumber as paragraphs 3.1.3., 3.1.4., and 3.1.5.

Paragraph 3.2.1., add at the end the following text:

".....
If for the reinforcing interlayer(s) a corrosion-resistant material is used (i.e. stainless-steel) a cover is not required."

Insert new paragraphs 3.3.2. to 3.3.2.3., to read:

"3.3.2. **Tensile strength and elongation specific for polyamide 6 material**

3.3.2.1. Tensile strength and elongation at break according to ISO 527-2 with the following conditions:

- (i) specimen type: type 1 BA
- (ii) tensile speed: 20 mm/min

The material has to be conditioned for at least 21 days at 23 °C and 50 per cent relative humidity prior to testing.

Requirement:

- (i) tensile strength not less than 20 MPa
- (ii) elongation at break not less than 50 per cent.

3.3.2.2. Resistance to n-pentane according to ISO 1817 with the following conditions:

- (i) medium: n-pentane
- (ii) temperature: 23 °C (tolerance according to ISO 1817)
- (iii) immersion period: 72 hours

Requirements:

- (i) maximum change in volume 2 per cent
- (ii) maximum change in tensile strength 10 per cent
- (iii) maximum change in elongation at break 10 per cent

After storage in air with a temperature of 40 °C for a period of 48 hours the mass compared to the original value may not decrease more than 5 per cent.

3.3.2.3. Resistance to ageing according to ISO 188 with the following conditions:

- (i) temperature: 115 °C (test temperature = maximum operating temperature minus 10 °C)
- (ii) exposure period: 24 and 336 hours

After ageing the specimens have to be conditioned at 23 °C and 50 per cent relative humidity for at least 21 days prior to carrying out the tensile test according to paragraph 3.3.1.1.

Requirements:

- (i) maximum change in tensile strength 35 per cent after 336 hours ageing compared to the tensile strength of the 24 hours aged material
- (ii) maximum change in elongation at break 25 per cent after 336 hours ageing compared to the elongation at break of the 24 hours aged material."

Paragraph 3.4.1.3., correct the value of "70 °C" to read "115 °C"

Insert new paragraphs 3.4.3. to 3.4.3.3., to read:

"3.4.3. **Specifications and test method for the cover made of polyamide 6 material**

"3.4.3.1. Tensile strength and elongation at break according to ISO 527-2 with the following conditions:

- (i) specimen type: type 1 BA
- (ii) tensile speed: 20 mm/min

The material has to be conditioned for at least 21 days at 23 °C and 50 per cent relative humidity prior to testing.

Requirements:

- (i) tensile strength not less than 20 MPa
- (ii) elongation at break not less than 100 per cent.

3.4.3.2. Resistance to n-hexane according to ISO 1817 with the following conditions:

- (i) medium: n-hexane
- (ii) temperature: 23 °C (tolerance according to ISO 1817)
- (iii) immersion period: 72 hours

Requirements:

- (i) maximum change in volume 2 per cent
- (ii) maximum change in tensile strength 10 per cent
- (iii) maximum change in elongation at break 10 per cent

3.4.3.3. Resistance to ageing according to ISO 188 with the following conditions:

- (i) temperature: 115 °C (test temperature = maximum operating temperature minus 10 °C)
- (ii) exposure period: 24 and 336 hours

After ageing the specimens have to be conditioned for at least 21 days before carrying out the tensile test according to paragraph 3.3.1.1.

Requirements:

- (i) maximum change in tensile strength 20 per cent after 336 hours ageing compared to the tensile strength of the 24 hours aged material
 - (ii) maximum change in elongation at break 50 per cent after 336 hours ageing compared to the elongation at break of the 24 hours aged material."
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