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**Economic Commission for Europe****Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****188th session**

Geneva, 14-16 November 2022

Item 4.7.1 of the provisional agenda

**1958 Agreement:****Consideration of draft amendments to existing UN Regulations submitted by GRSG****Proposal for the 04 series of amendments to UN Regulation  
No. 34 (Prevention of fire risk)****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 123<sup>rd</sup> session (ECE/TRANS/WP.29/GRSG/102, para. 33). It is based on ECE/TRANS/WP.29/GRSG/2021/19/Rev.1 as amended by paragraph 33 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 at their November 2022 sessions.

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\* In accordance with the programme of work of the Inland Transport Committee for 2022 as outlined in proposed programme budget for 2022 (A/76/6 (part V sect. 20) para 20.76), 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.



*Paragraphs 1., amend to read (footnote unchanged):*

- "1. Scope
- This Regulation applies:
- 1.1. Part I: To the approval of vehicles of categories M, N and O\* with regard to the tank(s) for liquid fuel and to the approval of vehicles of categories M<sub>1</sub> and N<sub>1</sub>, which are of a total permissible mass not exceeding 2.8 tonnes with regard to the installation of liquid fuel tanks.
- 1.2. Part II (vacant)
- 1.3. Part III: To the approval of tanks for liquid fuel as separate technical units.
- 1.4. Part IV: To the approval of vehicles with regard to the installation of approved tanks for liquid fuel."

*Paragraphs 2.1. to 2.1.2.4., amend to read:*

- "2.1. Application for approval pursuant to Part I of this UN Regulation.
- 2.1.1. The application for approval of a vehicle type to Part I of this UN Regulation shall be submitted by the vehicle manufacturer or by his duly accredited representative.
- 2.1.2. It shall be accompanied by the undermentioned documents in triplicate and by the following particulars:
- 2.1.2.1. A detailed description of the vehicle type with respect to the items specified in paragraph 4.2. The numbers and/or symbols identifying the engine type and the vehicle type shall be specified;
- 2.1.2.2. Drawing(s) showing the characteristics of the fuel tank and specifying the material from which it is made;
- 2.1.2.3. A diagram of the entire fuel feed systems, showing the site of each component on the vehicle; and
- 2.1.2.4. A diagram of the electrical installation showing its siting and its mode of attachment to the vehicle."

*Paragraphs 3.1. to 3.1.3., amend to read:*

- "3.1. Approval pursuant to Part I of this Regulation.
- 3.1.1. If the vehicle submitted for approval pursuant to this UN Regulation meets the requirements of Part I below, approval of that vehicle type shall be granted.
- 3.1.2. An approval number shall be assigned to each type approved in accordance with Schedule 4 of the Agreement (E/ECE/TRANS/505/Rev.3). A Contracting Party may however assign the same approval number to several vehicle types as defined in paragraph 4.2. if the types are variants of the same basic model and provided that each type is separately tested and found to comply with the conditions of this UN Regulation.
- 3.1.3. Notice of approval or of refusal of approval of a vehicle type pursuant to this UN Regulation shall be communicated to the Parties to the Agreement which apply this UN Regulation by means of a form conforming to the model in Annex 1, Appendix 1 to this UN Regulation.

*Paragraph 3.1.4.2., amend to read:*

- "3.1.4.2. The number of this UN Regulation, followed by "RI", if the vehicle is approved pursuant to Part I of the UN Regulation and the approval number to the right of the circle prescribed in paragraph 3.1.4.1.

*Paragraphs 3.2.2. and 3.2.3., amend to read:*

- "3.2.2. An approval number shall be assigned to each type approved in accordance with Schedule 4 of the Agreement (E/ECE/TRANS/505/Rev.3).

- 3.2.3. Notice of approval or of refusal of approval of a type of tank pursuant to this UN Regulation shall be communicated to the Contracting Parties to the Agreement which apply this UN Regulation by means of a form conforming to the model in Annex 1, Appendix 2 to this UN Regulation."

*Paragraph 3.3.2. and 3.3.3., amend to read:*

- "3.3.2. An approval number shall be assigned to each type approved in accordance with Schedule 4 of the Agreement (E/ECE/TRANS/505/Rev.3). A Contracting Party may however assign the same approval number to several vehicle types as defined in paragraph 12.2. if the types are variants of the same basic model and provided that each type is separately tested and found to comply with the conditions of this UN Regulation.

- 3.3.3. Notice of approval or of refusal of approval of a vehicle type pursuant to this UN Regulation shall be communicated to the Contracting Parties to the Agreement which apply this UN Regulation by means of a form conforming to the model in Annex 1, Appendix 1 to this UN Regulation."

*Paragraphs 4. to 4.2.3., amend to read:*

- "4. Definitions

For the purposes of this Part of the UN Regulation:

- 4.1. "Approval of a vehicle" means the approval of a vehicle type with regard to the liquid fuel tanks.
- 4.2. "Vehicle type" means vehicles which do not differ in such essential respects as:
- 4.2.1. The structure, shape, dimensions and materials (metal/plastic) of the tank(s);
- 4.2.2. In vehicles of category M<sub>1</sub> the position of the tank(s) in the vehicle in so far as it has a negative effect on the requirements of paragraph 5.10.; and
- 4.2.3. The characteristics and siting of the fuel feed system (pump, filters, etc.)."

*Paragraph 4.5., amend to read:*

- "4.5. "Capacity of the fuel tank" means the fuel tank capacity as specified by the manufacturer."

*Part II-1 (the title), shall be deleted.*

*Paragraphs 7. to 7.4., amend to read:*

- "7. (Vacant)"

*Paragraphs 8. to 8.1.1., amend to read:*

- "8. Requirements for the installation of liquid fuel tanks

The requirements specified in this section may be applied, at the request of the manufacturer, to vehicles of categories M<sub>2</sub>, N<sub>2</sub>, M<sub>3</sub>, N<sub>3</sub> and O as well as to vehicles of categories M<sub>1</sub> and N<sub>1</sub>, which are of a total permissible mass exceeding 2.8 tonnes.

At the request of the manufacturer, the requirements specified in this section may be applied to vehicles of other categories than M<sub>1</sub> and N<sub>1</sub>, which are of a total permissible mass not exceeding 2.8 tonnes.

- 8.1. Fuel installation

- 8.1.1. (vacant)"

*Paragraph 9., amend to read:*

- "9. (Vacant)"

*Part II-2, shall be deleted.*

*Paragraph 13.1.*, amend to read:

- "13.1. The requirements stated in paragraphs 5.4., 5.5., 5.6., 5.7., 5.8., 5.10., and 5.11. above shall be complied with. Vehicles of categories M<sub>1</sub> and N<sub>1</sub>, which are of a total permissible mass not exceeding 2.8 tonnes, shall additionally comply with paragraph 8."

*Paragraph 14.2.*, shall be deleted.

*Paragraph 14.3. (former)*, renumber as paragraph 14.2. and amend to read:

- "14.2. Notice of confirmation, extension, or refusal of approval shall be communicated by the procedure specified in paragraphs 3.1.3., 3.2.3. or 3.3.3. above to the Contracting Parties to the Agreement which apply this UN Regulation."

*Insert new paragraph 14.3.*, to read:

- "14.3. The Type Approval Authority issuing the extension of approval shall assign a series number to each communication form drawn up for such an extension."

*Paragraph 15.*, amend to read:

- "15. Conformity of production
- The conformity of production procedures shall comply with those set out in the Agreement, Schedule 1 (E/ECE/TRANS/505/Rev.3) with the following requirements:
- 15.1. Every vehicle or tank bearing an approval mark as prescribed under this UN Regulation shall conform to the vehicle type approved and satisfy the requirements of the respective Parts above."

*Paragraph 16.*, amend to read:

- "16. Penalties for non-conformity of production
- 16.1. The approval granted in respect of a vehicle type pursuant to this UN Regulation may be withdrawn if the requirements laid down in paragraph 15.1. above is not complied with.
- 16.2. If a Contracting Party to the Agreement which applies this UN Regulation withdraws an approval it has previously granted, it shall forthwith notify the other Contracting Parties applying this UN Regulation by means of a copy of the approval form bearing at the end, in large letters, the signed and dated annotation "APPROVAL WITHDRAWN"."

*Paragraphs 17.1 to 17.6.*, shall be deleted.

*Insert new paragraphs 17.1 to 17.6.*, to read:

- "17.1. As from the official date of entry into force of the 04 series of amendments, no Contracting Party applying this UN Regulation shall refuse to grant or refuse to accept type approvals under this UN Regulation as amended by the 04 series of amendments.
- 17.2. As from 1 September 2026, Contracting Parties applying this UN Regulation shall not be obliged to accept type approvals to the preceding series of amendments, first issued after 1 September 2026.
- 17.3. Contracting Parties applying this UN Regulation shall continue to accept type approvals issued according to the 02 and 03 series of amendments to this UN Regulation first issued before 1 September 2026.
- 17.4. Contracting Parties applying this UN Regulation may grant type approvals according to any preceding series of amendments to this UN Regulation.
- 17.5. Contracting Parties applying this UN Regulation shall continue to grant extensions of existing approvals to any preceding series of amendments to this UN Regulation.

17.6. Notwithstanding the transitional provisions above, Contracting Parties who start to apply this UN Regulation after the date of entry into force of the most recent series of amendments are not obliged to accept type approvals which were granted in accordance with any of the preceding series of amendments to this UN Regulation / are only obliged to accept type approval granted in accordance with the 04 series of amendments."

Paragraph 18, amend to read:

"18. Names and addresses of Technical Services conducting approval tests, and of Type Approval Authorities

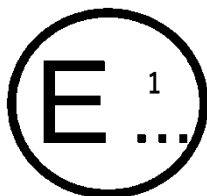
The Contracting Parties to the Agreement which apply this UN Regulation shall communicate to the Secretariat of the United Nations the names and addresses of the Technical Services responsible for conducting approval tests and of the Type Approval Authorities which grant approval and to which forms certifying approval or refusal or withdrawal of approval, issued in other countries, are to be sent."

Annex 1, Appendix 1, amend to read:

## "Annex 1 - Appendix 1

### Communication

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



issued by :

Name of administration:

.....  
 .....  
 .....

Concerning:<sup>2</sup> Approval granted  
 Approval extended  
 Approval refused  
 Approval withdrawn  
 Production definitively discontinued

of a vehicle type with regard:<sup>2</sup> To the tank for liquid fuel

Pursuant to UN Regulation No. 34.

Approval No..... Extension No.: .....

1. Trade name or mark of the power-driven vehicle: .....

...

9. (vacant) Description of the impact tests: .....

...

19. The index to the information package lodged with the Type Approval Authority, which may be obtained on request, is attached."

<sup>1</sup> Distinguishing number of the country which has granted/extended/refused/withdrawn/ the approval (see approval provisions in the Regulation).

<sup>2</sup> Strike out what does not apply.

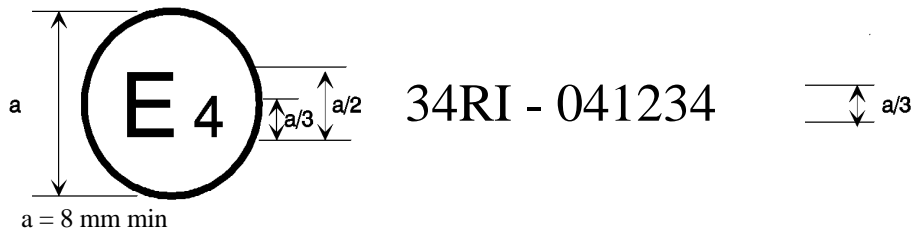
Annex 2, amend to read (footnote unchanged):

## "Annex 2

### Arrangements of approval marks

Model A

(See paragraph 3.1.4. of this UN Regulation)



The above approval mark affixed to a vehicle shows that the type concerned was approved in the Netherlands (E4) pursuant to Part I of UN Regulation No. 34 under approval No. 041234. The first two digits (04) of the approval number indicate that the approval was granted in accordance with the requirements of UN Regulation No. 34 as amended by the 04 series of amendments."

Model B (vacant)

Model C

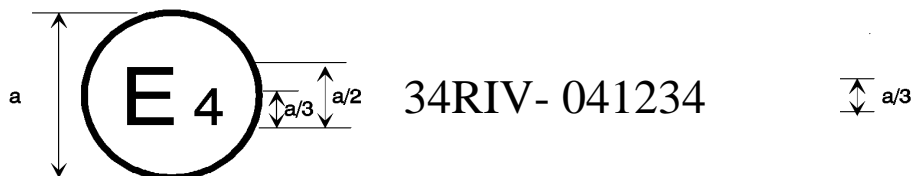
(See paragraph 3.2.4. of this UN Regulation)



The above approval mark affixed to a fuel tank shows that the type concerned was approved in the Netherlands (E4) pursuant to Part III of UN Regulation No. 34, for a universal use including its accessories, under approval No. 041234. The first two digits (04) of the approval number indicate that the approval was granted in accordance with the requirements of UN Regulation No. 34 as amended by the 04 series of amendments.

Model D

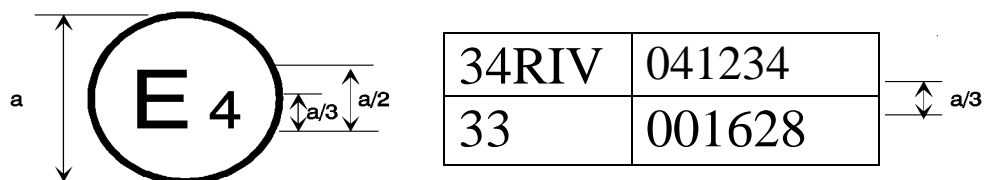
(See paragraph 3.3.4. of this UN Regulation)



The above approval mark affixed to a vehicle shows that the type concerned was approved in the Netherlands (E4) pursuant to Part IV of UN Regulation No. 34 under approval No. 041234. The first two digits (04) of the approval number indicate that the approval was granted in accordance with the requirements of UN Regulation No. 34 as amended by the 04 series of amendments.

Model E

(See paragraph 3.3.5. of this UN Regulation)



$a = 8 \text{ mm min.}$

The above approval mark affixed to a vehicle shows that the type concerned was approved in the Netherlands (E4) pursuant to UN Regulations Nos. 34 Part IV and 33.\* The approval numbers indicated that, at the date when the respective approvals were given, UN Regulation No. 34 included the 04 series of amendments and UN Regulation No. 33 was still in its original form."

*Annex 3.*, shall be deleted.

*Insert new Annex 3*, to read:

### "Annex 3 (vacant)"

*Annex 4.*, shall be deleted.

*Insert new Annex 4*, to read:

### "Annex 4 (vacant)"

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\* The second number is given merely as an example.