

Proposal for draft 02 series of amendments to regulation No. 58
(Rear underrun protection)

Note: The text reproduced below was prepared by the experts from the European Commission (EC) and France. The proposal consolidates and supersedes ECE/TRANS/WP.29/GRSG/2006/20 considered at the previous GRSG session. In addition, this proposal takes into account the comments addressed by the expert from the Netherlands during the same session (GRSG-90-33). The modifications to the existing text of the Regulation are marked in **bold** characters.

A. PROPOSAL

Contents of the Regulation, insert a new Part IV, to read:

"PART IV. TRANSITIONAL PROVISIONS"

PART I.

Paragraph 6.2., amend to read:

"6.2. An approval number shall be assigned to each type approved. Its first two digits (at present **02** corresponding to the **02** series of amendments) shall indicate the series of amendments "

Insert new paragraphs 7.4. to 7.4.2., to read:

"7.4. **For vehicles fitted with a platform lift at the rear, [the fitting of] the underrun device may be interrupted for the purposes of the mechanism. In this case, the following special requirements apply:**

7.4.1. **The maximum lateral clearance measured between the elements of the underrun device and the elements of the platform lift, which move through the interruption when the lift is operated and which make the interruption necessary, may amount to no more than 2.5 cm.**

7.4.2. **The individual elements of the underrun protection, including those outboard of the lift mechanism, where provided, must have an effective surface area, in each case, of at least 350 cm².**"

Paragraph 8.:

Note by secretariat: The "CONFORMITY OF PRODUCTION" requirements shall be aligned to the current standard requirements.

PART II.

Paragraph 15.2., amend to read:

"15.2. An approval number shall be assigned to each type approved. Its first two digits (at present **02** corresponding to the **02** series of amendments) shall indicate the series of amendments "

Paragraph 16.4., amend to read (deletion of the second sentence):

"16.4. The maximum mass to be installed on that vehicle."

Paragraph 17.:

Note by secretariat: The "CONFORMITY OF PRODUCTION" requirements shall be aligned to the current standard requirements.

PART III.

Paragraph 24.2., amend to read:

"24.2. An approval number shall be assigned to each type approved. Its first two digits (at present **02** corresponding to the **02** series of amendments) shall indicate the series of amendments "

Insert new paragraphs 25.8. to 25.8.2., to read:

"25.8. For vehicles fitted with a platform lift at the rear, the [fitting of the] underrun device may be interrupted for the purposes of the mechanism. In this case, the following special requirements apply:

25.8.1. the maximum lateral clearance measured between the elements of the underrun device and the elements of the platform lift, which move through the interruption when the lift is operated and which make the interruption necessary, may amount to no more than 2.5 cm.

25.8.2. The individual elements of the underrun protection, including those outboard of the lift mechanism, where provided, must have an effective surface area, in each case, of at least 350 cm²."

Paragraph 26.:

Note by secretariat: The "CONFORMITY OF PRODUCTION" requirements shall be aligned to the current standard requirements.

Insert a new Part IV., to read:

"PART IV. TRANSITIONAL PROVISIONS

31. TRANSITIONAL PROVISIONS

31.1. As from the official date of entry into force of the 02 series of amendments, no Contracting Party applying this Regulation shall:

- (a) refuse to grant approval under Parts I, II and III of this Regulation as amended by the 02 series of amendments;
- (b) refuse a type of component or separate technical unit approved under Part I of this Regulation as amended by the 02 series of amendments;
- (c) prohibit the fitting on a vehicle of a component or separate technical unit approved under Parts I and II of this Regulation as amended by the 02 series of amendments.

31.2. Until [18 months] after the date of entry into force of this Regulation as amended by the 02 series of amendments, Contracting Parties applying this Regulation shall:

- (a) not refuse a type of component or separate technical unit approved under Part I of this Regulation as amended by the 01 series of amendments;
- (b) not refuse to grant approvals to those types of component or separate technical unit which comply with the requirements of Part I of this Regulation as amended by the 01 series of amendments;
- (c) not refuse to grant extensions of approval for components or separate technical units which comply with Part I of this Regulation as amended by the 01 series of amendments;
- (d) continue to allow the fitting on a vehicle of a component or separate technical unit approved under Parts I and II of this Regulation as amended by the 01 series of amendments.

31.3. As from [18 months] after the date of entry into force of this Regulation as amended by the 02 series of amendments, Contracting Parties applying this Regulation shall:

- (a) refuse a type of component or separate technical unit which does not meet the requirements of Part I of this Regulation as amended by the 02 series of amendments;
- (b) grant approvals only if the type of component or separate technical unit to be approved meets the requirements of Part I of this Regulation as amended by the 02 series of amendments;
- (c) prohibit the fitting of a component or separate technical unit which does not meet the requirements of Parts I and II of this Regulation as amended by the 02 series of amendments;
- (d) consider approvals in the case of types of component or separate technical unit to be invalid, except where they comply with the requirements of Part I of this Regulation as amended by the 02 series of amendments.

31.4. Until [48 months] following the date of entry into force of this Regulation as amended by the 02 series of amendments Contracting Parties applying this Regulation shall:

- (a) continue to grant approvals to those types of vehicles which comply with the

requirements of Part III of this Regulation as amended by the 01 series of amendments;

(b) continue to accept national or regional type-approval of a vehicle type-approved under Part III of this Regulation as amended by the 01 series of amendments.

31.5. As from [48 months] after the date of entry into force of this Regulation as amended by the 02 series of amendments, Contracting Parties applying this Regulation shall:

(a) grant approvals only if the vehicle type to be approved meets the requirements of Part III of this Regulation as amended by the 02 series of amendments;

(b) refuse national or regional type-approval and shall refuse first national or regional registration (first entry into service) of a vehicle which does not meet the requirements of Part III of this Regulation as amended by the 02 series of amendments;

(c) consider approvals to this Regulation to be invalid, except in the case of vehicle types which comply with the requirements of Part III of this Regulation as amended by the 02 series of amendments.

31.6. Notwithstanding the transitional provisions above, Contracting Parties whose application of this Regulation comes into force after the date of entry into force of the most recent series of amendments are not obliged to accept approvals which were granted in accordance with any of the preceding series of amendments to this Regulation."

Notes 1/ and 2/, amend to read:

1/ As defined in Annex 7 to the Consolidated Resolution on the Construction of Vehicles (R.E.3), (document TRANS/WP.29/78/Rev.1/Amend.2 as last amended by Amend.4).

2/ 1 for Germany, 2 for France, 3 for Italy, 4 for the Netherlands, 5 for Sweden, 6 for Belgium, 7 for Hungary, 8 for the Czech Republic, 9 for Spain, 10 for Serbia and Montenegro, 11 for the United Kingdom, 12 for Austria, 13 for Luxembourg, 14 for Switzerland, 15 (vacant), 16 for Norway, 17 for Finland, 18 for Denmark, 19 for Romania, 20 for Poland, 21 for Portugal, 22 for the Russian Federation, 23 for Greece, 24 for Ireland, 25 for Croatia, 26 for Slovenia, 27 for Slovakia, 28 for Belarus, 29 for Estonia, 30 (vacant), 31 for Bosnia and Herzegovina, 32 for Latvia, 33 (vacant), 34 for Bulgaria, 35 (vacant), 36 for Lithuania, 37 for Turkey, 38 (vacant), 39 for Azerbaijan, 40 for The former Yugoslav Republic of Macedonia, 41 (vacant), 42 for the European Community (Approvals are granted by its Member States using their respective ECE symbol), 43 for Japan, 44 (vacant), 45 for Australia, 46 for Ukraine, 47 for South Africa, 48 for New Zealand, 49 for Cyprus, 50 for Malta and 51 for the Republic of Korea. Subsequent numbers shall be assigned to other countries in the chronological order in which they ratify or accede to the 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, and the numbers thus assigned shall be communicated by the Secretary-General of the United Nations to the Contracting Parties to the Agreement."

Annex 4, Models A and B,

In the examples of the approval marks and in the captions below amend the approval number "012439" to read "**02**2439" (three times) and amend the words "01 series of amendments" amend to read "**02** series of amendments" (two times).

Annex 5,

Paragraph 2.5., amend to read:

"..... shall be tested **with the suspension or device** in the normal running condition specified by the manufacturer."

Paragraph 3.1.2., amend to read:

"In the cases defined in paragraphs 1.1.1. and 1.1.2. of this annex a horizontal force of **50 kN or 25 per cent** of the force generated"

Paragraph 3.1.3., amend to read:

"In the cases defined in paragraph 1.1.3. of this annex a horizontal force of **50 kN or 25 per cent** of the force generated"

Insert new paragraph 3.2., to read:

"3.2. If the points defined under paragraph 3.1. are located within the interruption area mentioned in paragraphs 7.4. or 25.8. of this Regulation, the required points will be located in the middle of any lateral section of the rear underrun protection device."

B. JUSTIFICATION

The proposed new paragraphs 7.4., 25.8. to the text of the Regulation as well as paragraph 3.2. of Annex 5, are in order to allow for the increasing use of platform lifts on the rear of vehicles. The lift mechanisms for these units require that the protection systems be interrupted and the proposal would allow for the necessary consideration to be made. Paragraphs 7.4.2. and 25.8.2. would ensure that any sections of the device remaining outboard of the lift device would be of a minimum area and not be small enough to present a point of danger in themselves.

The change to paragraph 2.5. of Annex 5 is to clarify the issue of what may be specified by the manufacturer in the setting up for any testing.

The changes proposed to paragraphs 3.1.2. and 3.1.3. of Annex 5 are to improve the levels of safety provided by the system and to provide international harmonization in the requirements.
