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**Economic Commission for Europe****Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****158<sup>th</sup> session**

Geneva, 13-16 November 2012

Item 4.8.3 of the provisional agenda

**1958 Agreement – Consideration of draft amendments  
to existing Regulations submitted by GRSG****Proposal for Supplement 3 to the 02 series of amendments to  
Regulation No. 58 (Rear underrun protection)****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 102<sup>nd</sup> session clarifying the requirements on rear underrun protection devices. It is based on document ECE/TRANS/WP.29/GRSG/2012/5, as reproduced in Annex IV to the report (ECE/TRANS/WP.29/GRSG/81, para. 20). It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration.

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\* In accordance with the programme of work of the Inland Transport Committee for 2010–2014 (ECE/TRANS/208, para. 106 and ECE/TRANS/2010/8, 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.

*Paragraph 16.2.*, amend to read:

- "16.2. The width of the rear protective device shall at no point exceed the width of the rear axle measured at the outermost points of the wheels, excluding the bulging of the tyres close to the ground, nor shall RUPD be more than 100 mm shorter on either side. Where the device is contained in or comprises the vehicle bodywork which itself extends beyond the width of the rear axle, the requirement, that the width of the RUPD shall not exceed that of the rear axle, shall not apply. However, in case of vehicles of categories O<sub>1</sub> and O<sub>2</sub> where the tyres project for more than half of their width outside the bodywork (excluding the wheel guards) or outside the chassis in the absence of bodywork, the width of the RUPD shall not be less than 100 mm deducted from the distance measured between the innermost points of the tyres, excluding the bulging of the tyres close to the ground, on either side. Where there is more than one rear axle, the width to be considered is that of the widest rear axle. In addition the requirements of paragraphs 3.1.2. and 3.1.3. of Annex 5 relating the distance of the points of application of the test forces from the outer edges of the rear wheels (Annex 1, item 7) shall be verified and recorded in the type approval communication form."

*Paragraph 25.3.*, amend to read:

- "25.3. The width of the rear protective device shall at no point exceed the width of the rear axle measured at the outermost points of the wheels, excluding the bulging of the tyres close to the ground, nor shall RUPD be more than 100 mm shorter on either side. Where the device is contained in or comprises the vehicle bodywork which itself extends beyond the width of the rear axle, the requirement, that the width of the RUPD shall not exceed that of the rear axle, shall not apply. However, in case of vehicles of categories O<sub>1</sub> and O<sub>2</sub> where the tyres project for more than half of their width outside the bodywork (excluding the wheel guards) or outside the chassis in the absence of bodywork, the width of the RUPD shall not be less than 100 mm deducted from the distance measured between the innermost points of the tyres, excluding the bulging of the tyres close to the ground, on either side. Where there is more than one rear axle ... shall be verified and recorded in the type approval communication form."

*Annex 5, paragraph 3.1.2.*, amend to read:

- "3.1.2. 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 by the maximum mass of the vehicle, whichever is the lesser, shall be applied consecutively to two points located 300 + 25 mm from the longitudinal planes tangential to the outer edges of the wheels on the rear axle or of the RUPD, if it exceeds the width of the rear axle, and to a third point located on the line joining these two points, in the median vertical plane of the vehicle."

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