
Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

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Item 5 (a) of the provisional agenda

Proposals for amendments to annexes A and B of ADR:

Construction and approval of vehicles

18 September 2023

9.8.4 Stability of MEMUs

Transmitted by the Government of Finland

Introduction

1. In 2023 ADR, paragraph 9.7.5.1 (Stability of tank-vehicles) was amended to read as follows (added text in bold):

“9.7.5.1 The overall width of the ground-level bearing surface (distance between the outer points of contact with the ground of the right-hand tyre and the left-hand tyre of the same axle) **of the axle with greatest width** shall be at least equal to 90 % of the height of the centre of gravity of the laden tank-vehicle. In an articulated vehicle the mass on the axles of the load-carrying unit of the laden semi-trailer shall not exceed 60 % of the nominal total laden mass of the complete articulated vehicle.”

2. ADR 9.8.4 also includes requirements for stability of MEMUs:

“The overall width of the ground-level bearing surface (distance between the outer points of contact with the ground of the right-hand tyre and the left-hand tyre of the same axle) shall be at least equal to 90 % of the height of the centre of gravity of the laden vehicle. In an articulated vehicle the mass on the axles of the load-carrying unit of the laden semi-trailer shall not exceed 60 % of the nominal total laden mass of the complete articulated vehicle.”

3. However, this paragraph was not amended at the same time as the requirements for tank-vehicles. Finland considers that similar requirements should be mutually equivalent.

4. The following amendment is proposed to ensure that stability requirements are the same for tank vehicles and MEMUs:

9.8.4.1 In the first sentence, after the phrase in parentheses, insert “of the axle with greatest width”.
