**Economic Commission for Europe**

Inland Transport Committee

**Working Party on the Transport of Dangerous Goods**

**110th session**

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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**

Braking equipment (UN Regulation No. 13 and 13-H)

Transmitted by the Government of Finland

1. The provisions of braking equipment are in 9.2.3 where the footnote 4 includes the reference to UN Regulation No.13:

9.2.3 Braking equipment

9.2.3.1 General provisions

9.2.3.1.1 Motor vehicles and trailers intended for use as transport units for dangerous goods shall fulfil all relevant technical requirements of UN Regulation No.13**4**, as amended, in accordance with the dates of application specified therein.

9.2.3.1.2 EX/II, EX/III, FL and AT vehicles shall fulfil the requirements of UN Regulation No.13**4**, Annex 5.

**4** *UN Regulation No. 13 (Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking).*

1. Many N1 vehicles could be approved with breaking system to fulfil the requirements of UN Regulation No. 13-H.

- Is there a reason why UN Regulation No. 13-H is not included in 9.2.3 of ADR?

- Should vehicles of category N1 approved with breaking system that fulfil all relevant technical requirements of UN Regulation No. 13-H be regarded as fulfilling the requirements of 9.2.3?

- Should UN Regulation No. 13-H be included in 9.2.3 of ADR for vehicles of category N1?

1. For N1 vehicles, UN Regulation No. 13-H (*Regulation No 13-H of the Economic Commission for Europe of the United Nations (UN/ECE) — Uniform provisions concerning the approval of passenger cars with regard to braking*) is alternative to UN Regulation No. 13. This is explained in the scope of UN Regulation No. 13 and in the scope of UN Regulation No. 13-H.
2. Paragraph 1.1 of UN Regulation No. 13 reads: "This Regulation applies to vehicles of categories M2, M3, N and O (1) with regard to braking (**2**)". The footnote 2 deals with vehicles of category N1 and it includes the reference to Regulation No 13-H:

(2) *In accordance with the application dates contained in paragraph 12 of this Regulation, braking requirements for vehicles of category M1 are exclusively included in Regulation No 13-H. For vehicles of category N1, Contracting Parties that are signatories to both Regulation No 13-H and this Regulation shall recognize approvals to either Regulation as equally valid.*

1. Paragraph 1.1 of UN Regulation No. 13-H reads: "This Regulation applies to vehicles of categories M1 and N1 (1). The footnote 1 deals with vehicles of category N1:

(1) *This Regulation offers an alternative set of requirements for category N1 vehicles to those contained in Regulation No 13. Contracting Parties that apply both Regulation No 13 and this Regulation recognise approvals to either Regulation as equally valid. M1 and N1 categories of vehicles are defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3.), document ECE/TRANS/ WP.29/78/Rev.3, paragraph 2 — www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29resolutions.html*