



## European Tyre and Rim Technical Organisation

### SCOPE AND DIMENSIONAL REQUIREMENTS OF UN REGULATIONS

Brussels, 04/10/2017

To Whom It May Concern,

With respect to the increase in requests for having tyres bearing the Type Approval marking according to the relevant and applicable **UN Regulations** because of the need to fit them on vehicles to be Type Approved according to the latest **EU Regulations** (e.g. *Reg. (EU) No. 167/2013 on the approval and market surveillance of agricultural and forestry tractors* or *Reg. (EU) No. 168/2013 on the approval and market surveillance of two- or three-wheel vehicles and quadricycles*), ETRTO wants to underline and clarify the following:

- A tyre can be type approved according to the UN Regulation that deals with its intended use, provided it falls into the scope of such UN Regulation and meets the technical requirements of this regulation.
- Concerning dimensional requirements, in case dimensions cannot be calculated by the means of formulae and coefficients reported in the "Requirements" section, the size designation shall be listed in the Annex 5 "Theoretical rim, outer diameter and nominal section width of tyres of certain size designations" of such Regulation (either UN R106 for agricultural tyres or UN R75 for motorcycle tyres).

As an example, the Scope of UN Regulation No. 106 is the following:

"This Regulation covers new pneumatic tyres designed primarily, but not only, for agricultural and forestry vehicles (power-driven vehicles in category T), agricultural machines (power-driven and trailed) and agricultural trailers, and identified by speed category symbols corresponding to speeds of 65 km/h (speed symbol "D") and below.

It does not apply to tyre types designated primarily for other purposes, such as:

- (a) Earth-moving equipment;
- (b) Industrial and lift trucks."

According to the above scope it is not possible to Type Approve based on UN Regulation No. 106 a tyre with a speed symbol "E" which corresponds to a speed of 70 km/h.

At the same time, a tyre that needs to be fitted to a vehicle that is Type Approved based on Reg. (EU) No. 167/2013, can be type approved based on UN Regulation No. 106 provided that it is in scope of this regulation and it is designed to meet the technical requirements and sidewall markings of this regulation, because in this case the sentence "It does not apply to tyres designated **primarily** for other purposes" does not apply.

Nicolas de Mahieu  
Secretary General