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Informal document GRBP-72-07  
Proposed by ETRTO  
Agenda item 5

# Tyre Industry GTR transposition roadmap proposal

GRBP 72<sup>nd</sup> session



- 1. Background**
- 2. Purpose of the document**
- 3. Tyre Industry assessment on GTR provisions to be transposed to UN Regulations**
- 4. Global approach**
- 5. Provisions to be considered for UN GTR amendment 3**

# 1. Background



1. Amendment No. 2 to UN GTR No. 16 (Tyres) adopted by WP.29 (AC.3) in WP.29 181st session;
2. Transposition of GTR to national regulations: According to the 1998 Agreement, each Contracting Party makes necessary steps to implement the GTR provisions in the domestic legislation. The membership to the 1958 Agreement opens an opportunity to implement the GTR provisions in a uniform way via UN Regulations, which is very convenient for the Contracting Parties and for the industry.

3. In the IWG TYRE GTR:

***Action item IWG23/8***

*IWG agreed that an IWG proposal (informal document) of GTR transposition priority list to UN regulations to be presented to GRBP.*

*IWG chair also recommended Industry to prepare to start working on the transposition of GTR to the related UN Regulations. An Industry informal document can be presented to GRBP January 2020 session proposing the transposition from GTR to UN Regulations.*

## 2. Purpose of the document



Tyre Industry intend to provide a GTR transposition roadmap to GRBP:

- List of GTR provisions that can be transposed to UN Regulations
- List of GTR provisions that make sense / are beneficial to be transposed once other CP's will transpose the same provisions into their national regulations. (harmonization)
- List of items in UN Regulations needed to upgrade the GTR.

### 3. Tyre Industry assessment on GTR provisions to be transposed to UN



Industry reviewed the list of provisions in UN TYRE GTR that could be transposed to UN Regulations No 30, 54 and 117.

#### UN Regulation No 30

GTR reference	GTR Performance Requirement	
3.6.1.	High speed performance test for passenger car tyres	Use GTR as an option for High Speed test for Speed Symbols < 'T'

### 3. Tyre Industry assessment on GTR provisions to be transposed to UN



#### UN Regulation No 54

GTR Reference	GTR Performance Requirement	
3.2.	Marking	Reference Test Inflation Pressure
3.4.	Tread wear indicators	Required TWI for C2 (and few C3)
3.5.2.	Dimensions of LT/C tyres	
3.6.2.2.	High Speed performance test for LT/C tyres	Speed Symbol $\geq$ Q
Annex 4	Tyre size designation examples and description	Examples
Annex 11	Test Equipment Tolerances Specification Guidelines	Consider incorporating if appropriate



#### **UN Regulation No 117**

No urgent need to transpose GTR to R117, as most of the GTR provisions come from R117 (and R117 is more recent than GTR in some cases, considering the adopted supplements (10 and 11) and ongoing amendment proposals to R117)



This roadmap is intending to remind **1958 and 1998 agreement** Contracting Parties that:

- The Tyre GTR contains **globally harmonized performance-related requirements and test procedures** for Radial Passenger and Light Truck Tyres.
- It does not contain administrative provisions for type approval of tyres nor for their mutual recognition.
- **Benefit will materialize with transposition of the GTR in the UN Regulation and in the national regulation of the Contracting Parties of 1998 agreement.**





### Further alignment of GTR with current or future provisions in the Compendium

- Extended Mobility Tyres
- Elimination of the Overall diameter measurement for Radial tyres after high speed test
- Provisions for North American All-Season tyres
- Bead Unseating test
- Strength test
- LT/C Endurance test
- Wet Grip for Worn tyres
- New provisions for winter performance
- Update GTR with latest amendments to UN Regulations



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**Thank you**

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