



Document **TYREGTR-15-07**
(Geneva, 23 January 2017)

Informal document **GRRF-83-32**
83rd GRRF, 23-27 January 2017
Agenda item 7a

Tyre GTR # 16

IWG session 15

January 23th 2017

progress report IWG

Transmitted by the experts of ETRTO



Activities performed by the Tyre Industry (phase 2A)

Participation : JATMA, TC19, ITTAC, RMA, ETRTO

- ❖ Updates of the GTR following amendments of regulations in the compendium
- ❖ Proposal for Harmonization of: Physical dimensions of LT/C tyres
- ❖ Proposal for Load range assignment based on inflation pressure corresponding to maximum load rating, required to define test conditions for bead unseating, plunger



Agenda of the 15th IWG TYREGTR Meeting

- 1) Introduction of the TYRE GTR amendment phase 2 and decisions taken by AC.3
(Informal documents: WP.29-170-12, WP.29-170-13)
- 2) Presentation of the workplan
- 3) Progress report on TYRE GTR phase 2A
 - ❖ Updates of the GTR following amendments of regulations in the compendium
 - ❖ Proposal for Harmonization of: Physical dimensions of LT/C tyres
 - ❖ Proposal for Load range assignment based on inflation pressure corresponding to maximum load rating, required to define test conditions for bead unseating, plunger
- 4) Consideration of feasibility of development of provisions for a global tyre marking
- 5) Next meeting: May or June in Moscow (to be confirmed)



Considered Issues & Action Items

New developments (“phase 2A”)

Proposed amendments from UN-ECE Regulations R30, R54, R117.02 amendments (1/2)

				Informal meeting agreement
Definitions	2.9	Brandname	ECE/TRANS/WP.29/2016/51	Agreed
	2.##	Manufacturer	ECE/TRANS/WP.29/2016/51	Agreed
	2.56	PSI Index	ECE/TRANS/WP.29/2016/52	To be clarified
	2.##	Trade description/commercial name	ECE/TRANS/WP.29/2016/51	Agreed
Markings	3.3.1.2 .1.	The manufacturer’s name	ECE/TRANS/WP.29/2016/51	Agreed
		The trade description/commercial name	ECE/TRANS/WP.29/2016/51	Agreed
	3.3.14.	Suffix LT after the service description	ECE/TRANS/WP.29/GRRF/2015/66	agreed



Proposed amendments from UN-ECE Regulations R30, R54, R117.02 amendments (2/2)

				Informal meeting agreement
Calculations	3.5.3 3.5.6.1 .1	Section width, passenger tires	ECE/TRANS/WP.29/2016/51	Agreed
	3.5.4 3.5.6.2 .1	Outer diameter of tyre	ECE/TRANS/WP.29/2016/51	Agreement to remove 8" diameter from the table annex 3 (out of scope)
Testing	3.16.4. 7	Endurance test speeds in km/h ipo rpm	ECE/TRANS/WP.29/2016/52	Agreed
Annexes	3	Nominal Rim Diameter code table	ECE/TRANS/WP.29/2016/51	Agreed
		Addition of 8" and 9" codes which are in the scope of the tyre GTR		Agreed, but 8" to be removed
	6	Update of the table (High Flotation)	ECE/TRANS/WP.29/2016/52	Agreed, but removing 8" tyres
3.3.8, M&S marking allowed for Special use tires ECE/TRANS/WP.29/2016/52 was not implemented in the tire GTR because it is not (yet) implemented in Regulation R30.				



Proposed amendments from harmonization activities/editorial

Harmonisation in GTR # 16 of the Load Range concept in relationship to Inflation Pressure

2.34

Inflation Pressure Selection Table for Maximum Load For Each Load Range		
kPa Pressure For Max. Load	Nominal section width mm	
	≤295	>295
200-299	B	C
300-399	C	D
400-499	D	E
500-599	E	


Informal Working group agreement

To be discussed further in next dedicated meeting

agreed

Informal document with China proposals to be considered in further meetings

3.3.1.2.3.3.1. In the case of LT and C type tyres, the words "Load Range" or "LR" followed by the letter designating the tyre load range "B, C, D, or E". This marking is at the discretion of the Contracting Parties **implementing the GTR.16**



Proposed amendments from harmonization activities/editorial

				Informal wg agreement
Definitions	2.34	Removal of references to annex 6 because redundant with the definitions		Agreed
	2.56	PSI index definition to be updated when harmonization of 3.16 and 3.17 completed		Agreed
	2.77	Proposal from RMA to remove year references to SRTT	Consider outside of the GTR (stick to compendium or harmonization)	Further discussion needed
	2.86	Reference to F1805-06 to be changed to F1805-00 as per FMVSS139 and §571.5? Comment on the existence of F1805-16		Further discussion needed
Requirements	3.1.2.1	Replace 'will' by 'shall'		Agreed
	3.2.1.2	Replace 'will' by 'shall'		Agreed
	3.5.3	Remove 'and measured on the measuring rim'	Deleted	Agreed
	3.5.6.1.1	Remove 'theoretical' to be consistent with the definitions		Agreed
	3.5.6.2.1	Remove references to diagonal and bias as per scope of GTR		Agreed
	3.16.4.7	Remove references to diagonal and bias as per scope of GTR (endurance test program)		Agreed



Proposed amendments from harmonization activities/editorial

				Informal wg agreement
Testing	3.13	Clarification, Run Flat test only for passenger		agreed
	3.14.1	Strength test aligned to 2.34 (Load range) to incorporate 'C' tires		To be discussed as linked with table 2.34
	3.15.2.2	Bead unseating test aligned to 2.34 (load range) to incorporate 'C' tires		To be discussed as linked with table 2.34
	3.18.2.1	Low inflation pressure performance test aligned to 2.34 (load range) to incorporate 'C' tires		To be discussed as linked with table 2.34
	3.20	Physical dimensions of LT/C tyres based on FMVSS 139	Deleted. 3.21 becomes 3.20, etc...	To be discussed in dedicated IWG session
	3.20.3	Remove 'and measured on the measuring rim'	Deleted	To be discussed in dedicated IWG session
	3.21	Physical dimensions of LT/C tyres based on R54	Deleted	To be discussed in dedicated IWG session
	3.20	Harmonized Physical dimensions of LT/C tyres	Added	To be discussed in dedicated IWG session
IW	3.20.3	Section width	Added from R54 (tightest)	To be discussed in



Proposed amendments from harmonization activities/editorial

				Informal WG agreement
Testing	3.20.5.3	Physical dimensions measurements, room temperature	Added from FMVSS (none in R54)	To be discussed in dedicated IWG session
	3.20.5.5.1	Highest of 6 measurements of overall width to be considered	Added from R54 (tighter than FMVSS average of 6 measurements)	To be discussed in dedicated IWG session
	3.20.5.6	Outer diameter calculation	Aligned to ISO	To be discussed in dedicated IWG session
	3.20.5.7	Treadwear indicators height	Added from R54	To be discussed in dedicated IWG session
Annex	7	Addition of ALAPA (Brazil) in the tyre standards organisations		Agreed



China input (TYREGTR-15-06)

- 1) Addition of new Annex: Relations between Ply Rating and Load Range
- 2) Lowering requirements for LT tires with $LI \leq 121$ and $SW > 295$ (Addition of alternative requirements?)
- 3) For LT tires with rim diameter ≥ 16 and single load capability $\geq 1500\text{KG}$, China (GB) use 32 mm plunge. If 19 mm plunge is used as required by this GTR, China believes that some tires cannot pass the test (Addition of alternative requirements?)
- 4) No need to calculate the average for the Strength test for LT/C tyres (To be discussed)
- 5) LT Bead Unseating Test and Low inflation pressure performance test are not required in China (GB) (Partial implementation of GTR provisions is possible for CPs)
- 6) It's proposed that all LT tires (not only LT tires with speed symbol Q and above) do the load/speed endurance test for Q above (To be discussed)
- 7) Correct tolerances for physical dimension requirements for both passenger car tires and LT tires (To be discussed)



India Input (Verbally)

India requests to consider High speed test harmonization for LT/C tyre for speed index < Q (phase 2B) – India was asked to submit a written document



Consideration of Feasibility of Tyre Global Marking (TYREGTR-15-03)

- 1) Presentation by the Russian Federation expert was considered.
- 2) Concerns expressed by the CPs:
 - ❖ Relation between G-mark and E-mark
 - ❖ Who could guarantee compliance in case of G-mark
 - ❖ Options in provisions are not possible with G-mark
 - ❖ UI is not immediate issue
 - ❖ Who would be responsible for putting G-mark on tyre
- 3) The Russian Federation expert considers that the raised concerns could be addressed. He will update the proposal basing on the received comments.



Objectives of the Next Meeting (Tentatively in Moscow, first half of June)

- 1) To resolve pending issues
 - ❖ Current proposal (TYREGTR-15-04)
 - ❖ Chinese proposal (TYREGTR-15-06)
- 2) To work on planned topics
 - ❖ Phase 2B document
 - ❖ Indian proposal
 - ❖ Feasibility of provisions for global tyre marking
 - ❖ Feasibility of harmonization of endurance test for LT/C tyres (Sections 3.16 and 3.17)



Thank you for your attention