

Strengthening Tyre limits ! New developments (2)

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1. New EU proposal Regulation General Safety

- Proposal for a **REGULATION** OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on type-approval requirements for motor vehicles and their trailers, and systems, components and separate technical units intended for such vehicles, as regards their **general safety** and the protection of vehicle occupants and vulnerable road users, amending Regulation (EU) 2018/... and repealing Regulations (EC) No 78/2009, (EC) No 79/2009 and (EC) No 661/2009

Article 1

Subject matter

This Regulation establishes requirements:

- 3. for the type-approval of newly-manufactured tyres with regard to their safety and environmental performance.

Article 4

General obligations and technical requirements

- 2. Type-approval in accordance with the **UN Regulations listed in Annex I** shall be considered as EU type-approval in accordance with the requirements of this Regulation and of the delegated acts adopted pursuant to it.
- ANNEX I List of UN Regulations referred to in Article 4(2)
- Regulation 117: Tyres with regard to rolling sound emissions, adhesion on wet surfaces and rolling, Supplement 8 to the 02 series of amendments, Vehicle types M, N, O

Tyres in Europe

- **GRB-66-01** (Netherlands) Tyres in Europe
- **GRB-66-01-Add.1** (Netherlands) Tyres in Europe
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- **Benefits** of strengthening the limits in two stages (stage 3 and 4)
- **Perspective Europe (EU):**
 - 511 million people, 293 million cars

Rolling Resistance coefficient (N/kN)

Tyre type	Current limit	Stage 3	Stage 4
C1	10.5	9.0	8.0
C2	9.0	8.0	7.0
C3	6.5	6.0	5.5

Wet Grip index (G)

Tyre type	Current limit	Stage 3	Stage 4
C1	1.1	1.45	1.6
C2	0.95	1.25	1.35
C3	0.80	1.1	1.2

Noise (rolling sound emissions dB(A))

Tyre type	Current limit	Stage 3	Stage 4
C1	70-74	69-73	67-71
C2	72	71	70
C3	73	71	69

Potential benefits Stage 3, 4 and Proper tyre pressure in the EU

	Stage 4 limits	Stage 3 limits	Proper pressure
Fuel savings [billion l/yr]	17	8	5
CO2 reduction [Mt/yr]	42	21	12
Reduced # of fatalities	2567	1300	140
Reduced # of slight/ serious injuries	19631/ 12353	10000/ 6000	1100/ 7000
Reduced # of annoyed people [millions]	13	6	1.5
Reduced # of sleep disturbed people [mill.]	6	3	0.6
Cost savings [billion €/y]	34	17	6

Strengthening the tyre limits is profitable

- For countries
- For car owners
- For civilians

2. Working Group on **Noise and Tyres** (GRBP) Noblesse Oblige !

- Request Netherlands to GRBP:
 - Transform **Informal doc GRB-66-03**: Proposal for amendments to the 02 series of amendments to Regulation No. 117, into a

Working Document for GRB, January 2019

Thank you for your attention !



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MORE ECONOMICAL AND QUIETER**

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