# IWG for Wet Grip on Worn Tyres (WGWT)

Status report to 75<sup>th</sup> GRBP (February 2022)

#### Background and roles

- Roles
  - Chair: France
  - <u>Co-chair</u>: European Commission
  - <u>Secretary</u>: ETRTO
- IWG WGWT webpage:

https://wiki.unece.org/pages/viewpage.action?pageId=80380967

#### Meetings and participants

#### • Meetings:

- 29<sup>th</sup> WGWT: 9 November (Webconference)
- 30<sup>th</sup> WGWT: 29 November (Webconference)
- 31<sup>st</sup> WGWT: 15 December (Webconference)
- 32<sup>nd</sup> WGWT: 12 January (Webconference)
- 33<sup>rd</sup> WGWT: 19 January (Webconderence)
- 34<sup>th</sup> WGWT: 27 January (Webconference)
- 35<sup>th</sup> WGWT: 3 February (Webconference)

#### • Participants:

- CP: China, European Commission, France, Germany, Netherlands, Japan, Spain.
- NGOs: ETRTO, ITMA, JATMA, OICA, ITTAC, USTMA

### Work progress since last GRBP

- IWG work
  - Agreement of the thresholds for wet adhesion performance for tyres in worn state
  - Agreement on the test conditions
- Two subgroups:
  - Post processing
    - Assess IWG particular request: market share of potential cluster, ...
  - Drafting
    - Informal document GRBP-75-25 to complete WP29/ 2022/11 for adoption at 75<sup>th</sup> GRBP session and consideration at June WP29

### Work progress since last GRBP

- Items still open
  - Work on the clusters (peculiar tyres) definition and corresponding thresholds
- Additional assessment requested by the IWG
  - Improve the stability of the reference tyre (mould SRTT worn)
  - Improve the test precision
- Foreseen test campaigns
  - April June 2022: mould SRTT worn assessment
  - 2023: additional test campaign for improvement of test precision
- → Updated ToR as per GRBP-75-28 accordingly

## Two step approach for C1 tyres in worn state

- Some peculiar tyres need to be adressed in a second step:
  - Market share
  - Definition
  - Thresholds

R117.03			
Category			WGI in Worn state
Normal			≥0.88*
Snow (M+S)			≥0.80
	3PMSF SS > Q		≥0.80
		Ice	≥0,70
	3PMSF		≥0.70
	SS≤Q	Ice	≥0,70
Special			Not
Use			defined

\*Normal tyre with aspect ratio ≤ 40 and Speed Symbol Y or ZR(Y): **threshold ≥0,80** --> to be further defined in R117.04

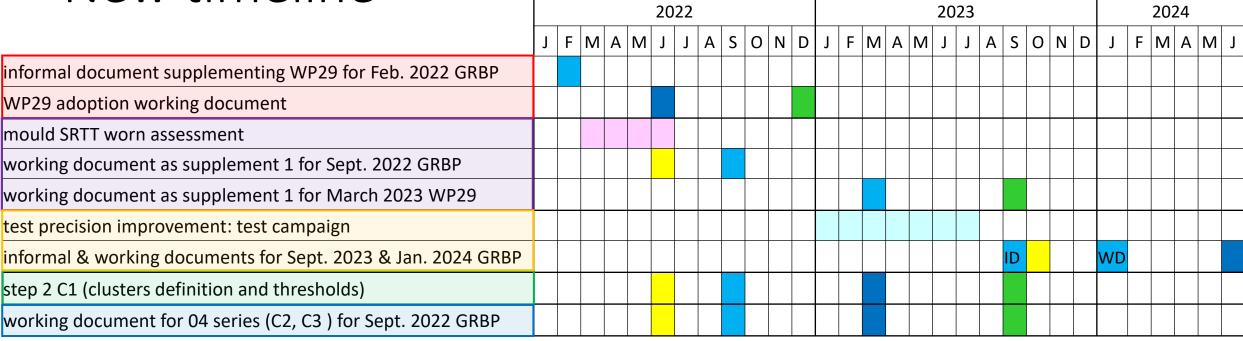
**GRBP 75th session** 

R117.04					
Category			WGI in Worn state		
Normal			≧0.88	0.88 to be considered as minimum	
	UHP and/or Legal Race		≧(tbd)	0.80 to be considered as minimum	
Snow (M+S)			≧0.88	0.88 to be considered as minimum	
	All Terrain (*)		≧(tbd)	0.80 to be considered as minimum	
	3PMSF SS >		≥0.80		
	Q	ICE	≧0.70		
	3PMSF		≧0.70		
	SS≤Q	ICE	≧0.70		
Special Use			Not defined		
	* cluster position to be defined				

#### Next steps

- Finalise the 2<sup>nd</sup> step approach for C1 thresholds
- Introduce the work on mould SRTT worn as suppl. 1 to 03 series for adoption at 76<sup>th</sup> GRBP in September 2022
- Propose C2 and C3 concept in a new 04 series of amendments to R117 for adoption at 76<sup>th</sup> GRBP in September 2022
- Improve the test precision thanks to the additional test campaign
  - Informal document at 78<sup>th</sup> GRBP session in September 2023
  - Working document for adoption at 79<sup>th</sup> GRBP session in January 2024

#### New timeline



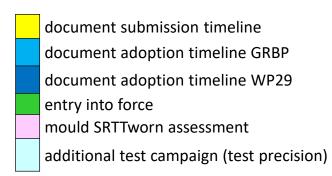
New 03 series: C1 tyres in worn state

C1 tyres in worn state – second step (clusters)

04 series: C2-C3 tyres in worn state

Update: mould SRTT worn

Update: test precision improvement



## Thank you for your attention!