

# IWG for Wet Grip on Worn Tyres (WGWT)

## Status report to 71<sup>st</sup> GRBP (January 2020)

# Background and roles

- Roles

- Chair: France
- Co-chair: European Commission
- Secretary: ETRTO

- IWG WGWT webpage:

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

# Meetings and participants

- Meetings:

- 4<sup>th</sup> WGWT: October 18<sup>th</sup>, 2019 (Brussels and web conference)
- 5<sup>th</sup> WGWT: November 20<sup>th</sup> 2019 (half day, web conference)
- 6<sup>th</sup> WGWT: December 12<sup>th</sup> 2019 (half day, web conference)
- 7<sup>th</sup> WGWT: January 17<sup>th</sup> 2020 (half day, web conference)
- 8<sup>th</sup> WGWT: January 27<sup>th</sup> and 28<sup>th</sup> 2020 (Geneva).
- 9<sup>th</sup> WGWT: 5-6 March (Brussels)
- 10<sup>th</sup> WGWT: 27 April (Brussels)

- Participants:

- CP: China, European Commission, France, Germany, Netherlands, Japan, Spain, India, United Kingdom.
- NGOs: ETRTO, ITMA, JATMA, OICA.

# Schedule and time constraints (1/2)

- Regional requirement:
  - European Union: European Global Safety Regulation (EU 2019/2144)

Subject	Regulatory acts	Additional specific technical provisions	M	M	M	N	N	N	O	O	O	O	S	Component
			1	2	3	1	2	3	1	2	3	4	T	
C10 Tyre safety and environmental performance	UN Regulation No 30 UN Regulation No 54 UN Regulation No 117	A test procedure for worn tyres shall also be ensured; the dates in note C apply.	X	X	X	X	X	X	X	X	X	X		A

- Note “C”:
- Date for **refusal to grant EU type-approval: 7 July 2024**
- Date for the **prohibition of the registration** of vehicles, as well as the placing on the market and entry into service of components and separate technical units: **7 July 2026**

# Schedule and time constraints (2/2)

- Target is to have
  - An Informal document for GRBP 72<sup>nd</sup> session (September 2020)
  - A Working Document for adoption in GRBP 73<sup>rd</sup> session (January 2021)\*
- \* Note: to match this target, the Working Document should be submitted by October 2020 when the test plan and analysis could be not fully completed. The Working Document could be then submitted in a 'draft' version to be amended in the same January 2021 GRBP session by an Informal Document.
- EC to confirm if submitting an Informal doc Jan 2021, working doc Sept 2021 is still a possible option to comply with the EU2019/2144 milestones.

# Objective: Wet Grip on Worn Tyre IWG

- Terms of reference:
  - GRB-69-23
  - Amendment agreed based on GRBP-70-03
- To consider:
  - Evaluation of the method for preparing a tyre to be tested in worn state
  - Definition of test conditions
  - Description of the test method
  - Data analysis and measurement system analysis
  - Threshold definition
- Aim is to follow the current UN R117 and to add new requirements on wet grip for worn tyres according to the results of the IWG work.
  - UN Regulation N° 117
  - for pneumatic tyres of class C1

# Status and next step of the IWG WGWT

- Definition of worn tyres and buffing procedure (proposal agreed)
  - Parameters (remaining tread depth, roughness, wear profile) to be assessed by the test campaign.
- Wet grip test procedure
  - IWG agreed to refer to the future Wet Grip test procedure (GRBP-70-20)
  - Parameters (reference tyre, test conditions, tyre sizes, ...) to be assessed by the test campaign.
- Test campaign
  - agreed and shared within the IWG
  - Around 900 tyres to be tested representing the C1 market.

# Target timeline

	2019												2020												2021											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
1.a) Define candidates list for screening test plan																																				
1.b) Define candidates list for analytical test plans																																				
1.c) Built a test plan matrix: candidate x test method x participant																																				
2.a) Buy tires - and deliver them to buffing centers																																				
2.b) Deliver SRTTs them to participants																																				
2.c) Deliver SRTTs to buffing centers																																				
3) Buff tires																																				
4) Test tires																																				
5) Share results & analyze																																				
6) Drafting the proposal																																				
Informal document for Sept-2020 GRBP																																				
Working document submittal for Jan-2021 GRBP																																				
Informal document supplementing the working document																																				

1st proposal for workplan's gantt  
 gantt for documentation

Thank you for your attention!