

# Supporting material to ETRTO working documents

81st GRBP session (February 2025)

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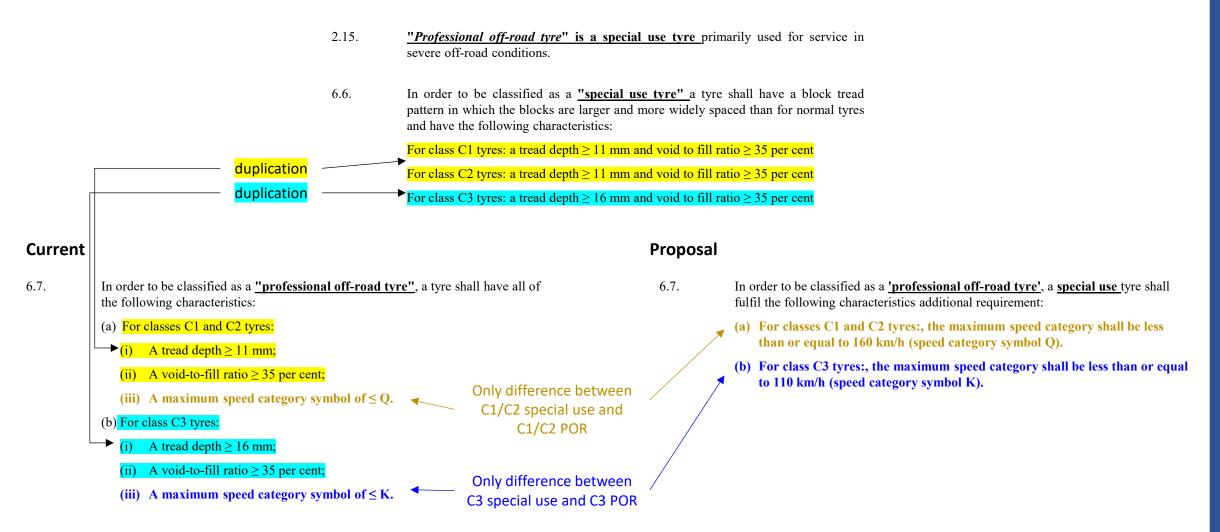
- 1. Elements triggering ETRTO amendment proposals
- 2. POR requirements (clarification request from the Netherlands)
- 3. Principal groove revised definition (clarification request from France)



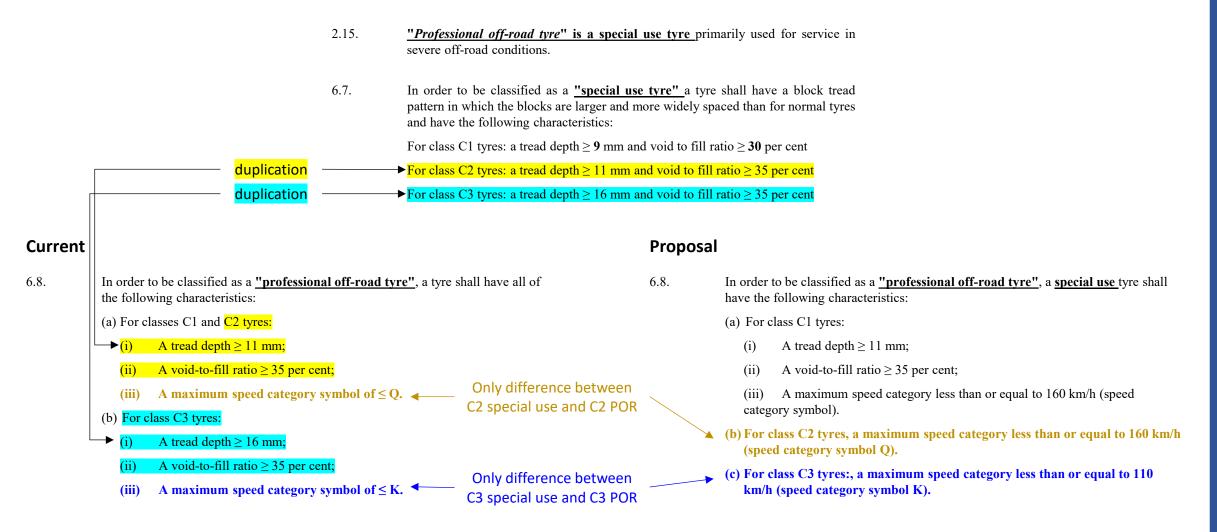
## 1. Elements triggering ETRTO amendment proposals

R30	R54	R75	R117.02	R117.04	R142	R108.01	R109.01	R172	
GRBP-81-05e-Rev.1	GRBP-81-06e-Rev.1	GRBP-81-07e-Rev.1		-08e-Rev.1 -09e-Rev.1	GRBP-81-10e-Rev.1	GRBP-81-11e-Rev.1	GRBP-81-12e-Rev.1	GRBP-81-XX	
ZRF marking		M/C suffix	ISO/ASTM references					new c3 SRTT siped	
	Free Rolling Tyre front axle, FRT				Free Rolling Tyre, front axle, FRT		Free Rolling Tyre, front axle, FRT		
						traction tyres	traction tyres		
					Normal tyre	Normal tyre			
			tyre for us	se in severe	snow tyre	snow tyre			
			snow co	onditions	snow tyre for use in severe snow	snow tyre for use in severe			
					conditions	snow conditions			
<u>principal grooves</u>	principal grooves	principal grooves	principa	ıl grooves		principal grooves	principal grooves		
tread groove			tread groove			tread groove	tread groove		
tread depth						tread depth			
secondary grooves	secondary grooves					secondary grooves			
ISO/ASTM references									
POR	POR		POR				POR	POR	
section width	section width	section width				section width			
overall width		overall width							
Dmax snow	Dmax snow								
nominal rim diameter	nominal rim diameter	nominal rim diameter				nominal rim diameter	nominal rim diameter		
		Tyre section width							
		specifications							
		Tyre outer diameter							
		specifications							
		centrifugal radius							
		category of use							
			transitional provisions					transitional	
								provisions	
					contents and paragraph titles				
				scope					
					table load-capacity variation with speed				
	I and the second	I	I						

## 2. On POR requirements (R117.<u>02</u>)



#### 2. On POR requirements (R117.<u>04</u>)



## 3. On principal groove revised definitions

Tyre tread patterns depend on the application and on the type of vehicle

→ Principal groove definition cannot be the same in all tyre related regulations

#### No circumferential grooves







**UN R54** 



**UN R75** 

Few grooves in the central zone



**UN R75** 



## 3. On principal groove revised definitions

Current definition		Proposed definition	
"Principal groove" means the wide grooves situated in the central zone of the tread.	UNR75	"Principal grooves" means the wide tread grooves of the tyre.	
-	UNR54	"Principal grooves" means the wide tread grooves positioned in the central zone of the tyre tread. The central zone is the area on the tread which comprises of 75 per cent of the width of the tread measured symmetrically from the centre line.	
"Principal grooves" means the wide circumferential grooves positioned in the central zone of the tyre	UNR30		
tread, which have the tread-wear indicators located in the base.	UNR108		
"Principal grooves" means the wide circumferential	UNR109		
grooves positioned in the central zone of the tyre tread, which, in the case of passenger and light truck	UNR117.02		
(commercial) tyres, have the treadwear indicators located in the base.	UNR117.04	"Principal grooves" means the wide tread grooves positioned in the central zone of the tyre tread, as defined in Annex 9 to this Regulation.	



## Thank you