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Working Party on Brakes and Running Gear (GRRF)  
(Fifty-eighth session, 20-23 September 2005,  
agenda item 5.5.)

PROPOSAL FOR DRAFT AMENDMENTS TO REGULATION No. 106

(Pneumatic tyres for agricultural vehicles)

Transmitted by the expert from the European Tyre and Rim Technical Organization (ETRTO)

Note: The text reproduced below was prepared by the expert from ETRTO in order to insert a new category for radial tyres operating at very high deflection, to clarify the markings and to re-insert the former design tyre "14.9LR-20". The modifications to the existing text of the Regulation are marked in **bold** characters.

**A. PROPOSAL**

Insert a new paragraph 2.15.8., to read:

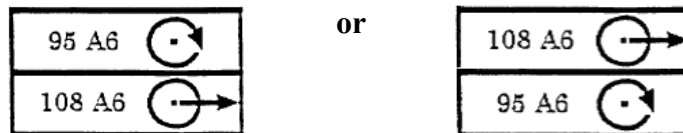
**"2.15.8. The letters "VF" before the nominal section width in case of "Very High Flexion Tyre"."**

Insert a new paragraph 2.41., to read:

**"2.41. "Very High Flexion Tyre" describes a tyre with a structure with more endurance than the corresponding regular radial tyre."**

Paragraph 3.1.4.2., amend to read:

**"3.1.4.2. in the case of implement tyre for mixed applications the tyre must be marked with two service descriptions one for "trailer" applications and the other for "traction" applications, each supplemented with the relevant symbol (see paragraphs 2.23. and 2.24. above) as follows:**



"

Insert a new paragraph 3.1.12., to read:

**"3.1.12. The inscription "VF" shall be added in front of the tyre-size designation when the tyre is "Very High Flexion Tyre"."**

Annex 3, Part A, note (a), amend to read:

**"(a) the size designation, comprising the prefix (if any), the nominal section width, the nominal aspect ratio, ....."**

Annex 5, Table 2 (3 of 3), low section height, between the tyre size designations 7.5L-15 and 17.5L-24, insert a new tyre size "14.9LR-20" to read:

"

Tyre size designation	Theoretical rim width code (A1)	Nominal section Width (S1) (mm)		Overall Diameter (D) (mm)		Nominal rim Diameter (d) (mm)
		Radial	Diagonal	Radial	Diagonal	
<b>14.9LR-20</b>	<b>13</b>	<b>378</b>		<b>1100</b>		<b>508</b>

"

Annex 7.

Part A, the table, amend to read (inserting an additional column):

"Variation of loads carrying capacity (per cent)

Speed (km/h)	Speed category symbol					(1)
	A2	A6 (+)	A8 (+)	D (+)	<b>D</b> ('VF' tyres only)	
10	[0]	+ 40	+ 50	+ 50	<b>0</b>	+ 58
15	- 6	+ 30	+ 34	+ 34	<b>0</b>	+ 35
20	- 11	+ 20	+ 23	+ 23	<b>0</b>	+ 27
25	- 16	+ 7	+ 11	+ 18.5	<b>0</b>	+ 20
30	- 20	[0]	+ 7	+15	<b>0</b>	+ 14
35	- 24	- 10	+ 3	+12	<b>0</b>	+ 10
40	- 27	- 20	[0]	+ 9.5	<b>0</b>	+ 6
45			- 4	+7	<b>0</b>	+ 2
50			- 9	+ 5	<b>0</b>	[0]
55				+ 3	<b>0</b>	
60				+ 1.5	<b>0</b>	
65				[0]	<b>[0]</b>	
70				- 9		

"

**B. JUSTIFICATION**

Ad paragraphs 2.15.8., 2.41., 3.1.12., Annexes 3 and 7:

To permit the type approval of a new radial agricultural tractor tyre category operating at very high deflection, that is, operating with the same low inflation pressure, in the fields and on the road up to the maximum speed of the vehicle, according to the maximum speed allowable by the tyre, without penalizing the load carrying capacity of the same.

Ad paragraph 3.1.4.2.:

To recognize some markings existing on the market for some implement tyres without modifying the information on the service description that in any case identifies the type of application (drive or free rolling) with the appropriate symbol.

Ad Annex 5:

To add to Annex 5 an old design tyre that was omitted

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