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This document has been prepared to aid discussion on Agenda Item 3d including documents ECE/TRANS/WP.29/GRRF/2007/3 and ECE/TRANS/WP.29/GRRF/2007/7 relating to ABS failure performance.

Prescribed Requirements for Vehicles of Category N3

All prescribed requirements must be fulfilled without wheel lock

	Unladen		Laden		Failure Warning	Regulation 13 Reference
	MFDD	% of Prescribed	MFDD	% of Prescribed		
Type O Requirements	5.0m/sec ²	100%	5.0m/sec ²	100%		Annex 4 - paragraph 2.1.1.
Secondary	2.2m/sec ²	44%	2.2m/sec ²	44%		Annex 4 - paragraph 2.2.1.
Residual Requirements	1.3m/sec ²	26%	1.3m/sec ²	26%		Annex 4 - paragraph 2.4.1.
Control transmission failure	Residual / Secondary			No		Regulation 13 - paragraph 5.2.1.4.
Transmission failure	Residual / Secondary			No		Regulation 13 - paragraph 5.2.1.5.1
Load sensing control failure	Secondary		Secondary		No	Annex 10 - paragraph 6
Electric control transmission failure	Prescribed fulfilled			Yellow		Regulation 13 - paragraph 5.2.1.27.3.
	Prescribed not fulfilled			Red		
ABS Failure	Residual		Residual		Yellow	Annex 13 - paragraph 4.3.

Prescribed Requirements for Vehicles of Category O

All prescribed requirements must be fulfilled without wheel lock

Braking force = % of static axle load (SAL)

	Unladen		Laden		Failure Warning	Regulation 13 Reference
	Braking Force	% of Prescribed	Braking Force	% of Prescribed		
Type O Requirements	45% / 50%	100%	45% / 50%	100%		Annex 4 - paragraph 3.1.3.1.
Secondary	Not Specifically Defined					
Residual Requirements	Not Specifically Defined					
Control transmission failure	Not Specifically Defined				No	
Transmission failure	Not Specifically Defined				No	
Pneumatic control line failure	13.5% SAL	30%	13.5% SAL	30%	No	R13 - para 5.2.1.18.3 & Annex 4 - Para 3.3
Pneumatic supply line failure	13.5% SAL	30%	13.5% SAL	30%	No	R13 - para 5.2.1.18.3 & Annex 4 - Para 3.3
Electric control line failure	13.5% SAL	30%	13.5% SAL	30%	No	R13 - para 5.2.2.15.2 & Annex 4 - Para 3.3
Load sensing control failure	13.5/15% SAL	30%	13.5/15% SAL	30%	No	Annex 10 - paragraph 6
Electric control transmission failure	13.5/15% SAL	30%	13.5/15% SAL	30%	Yes (Yellow / Red)	R13 - para 5.2.2.15.2
ABS Failure	Nothing Defined		36/40% SAL	80%	Yes (Yellow)	Annex 13 - paragraph 4.3

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