

Result after PVGTR5 meeting

Ranking of **Importance (Imp.)**: 1 – 5 (5 = most important)
 Ranking of **Difficulty (Diff.)**: 1 – 5 (5 = most difficult)
 Reason for **Difficulty (Diff.)**: **C** Self-Certification/Type-Approval issue
 (C-1: requiring full details of test procedure)
 (C-2: Requirements placed in a separate TA Annex)
T Timing issue
P Different philosophy
Te Technical issue

ISSUES STILL IN DISCUSSION	TIMING	Imp.	Diff.
RBS as part of the Service Braking system. Definition of categories A and B Tests in Neutral - Compensation needed? Disconnection on RGB assisted braking Vehicle speed for Heating proc. and hot test	Japan. Proposal was explained in Aug. 04, Should have been discussed in December 2004 but this has not started yet! Decision by Sept 2005?	5	5 P,Te
Full Power System – Pressure fall. 50% or Number of applications remaining or delete?	Discussed in December 2004 No. of applications left preferred Decision by July 2005	3	3 P
Terminology, Definitions Combined list in PVGTRbraking-wip.e	Discussion to be continued where necessary.	2	2 Te
GTR Draft Document These are updated after each meeting to reflect the discussion decisions with issue letter updated	PVGTR2005-1b/2005-2b to be discussed in detail at Sept 2005 meeting. Some items discussed and amendments made. Decision December ?		

ISSUES DECIDED by PVGTR informal group		Imp.	Diff.
Test Procedures , Integrated or associated?	integrated , see doc. PVGTRAx1-wip	5	3 C-1
Parking brake – friction type ?	Not required , see doc. PVGTRswg2-1a	5	2 Te
Wheel Locking Order	Defined on two different surfaces	3	3 Te
Parking Brake holding test	Initial brake temperature: 65 – 100°C	2	1 Te
Definition of v_{max}	Use FMVSS 135 definition	1	1 Te
Tests – Steering correction	Allowed on each stop as in FMVSS 135	1	1 Te
Hot Performance: No of Stops	Perform 2 tests (only one may count)	1	2 Te
EMC requirement,	no, but to be set out in the introduction	5	5 P
Braking distribution (for non-ABS vehicles) .	Calculation where this can be accepted by certification process. Technical Service can therefore omit the wheel locking order test	5	5 C-2

Annex CEL	In the text as an option.	5	5
Warning signal function test, switch as alternative to automatic lamp check allowed?	No!	2	2
Special requirements for single circuit needed ?	No!	1	4 P
Burnish/Bedding of linings Option is now incorporated in PVGTRtest-wipe Section 5.2.1.	Agreed Sept 04 Wheel locking removed from the PVGTR 2005-2b text		
Parking brake - dynamic requirement?	Proposal by SWG that this is not required. see doc. PVGTRswg2-1a Agreed Jan. 05: delete Annex 3, 2.3.6, but keep 5.2.2.4	5	2 P
Foot control only for service brake (or alternatives possible yes with restrictions.)	Agreed Jan. 05: R13-H text used (limited alternatives are possible)		
Type 0 test practice Pedal force depends on whether ABS is in control. ABS-Max possible. Non ABS-Max level avoiding skidding. ABS vehicles to make an additional laden Ref.test without ABS cycling for hot comparison.	Agreed Jan. 05 but recinded in Apr. New conditions developed and new cold ref. test added. GTR.text updated and Hot test included Agreed April 2005		
Type 0 test after the hot test. Number of test runs ?	Agreed see PVGTR 2005-2b Decided April 2005	2	3 Te
Display of warning signals	Proposal by SWG see “PVGTR2004-17eRev2” PVGTR 2005-1b update GRSG-GTR Cross-referred 2 nd warning signal (yellow) accepted by US Decided April 2005	2	- P
Reservoir Fluid – design and volume?	Compromise proposal by EW discussed in April 05 Agreed April 2005	2	5 Te
Reservoir Labelling	Compromise proposal by EW discussed in April 05 Decided April 2005	2	5 P
Stopping distance / MFDD (both could be used as in PVGTRtest-wipf)	Both measured, compliance with both only if marginal Decided April 05	5	5 P
PFC of test surface - requirement 0,9 max? Allowance made for lower levels of adhesion.	Briefly discussed in Dec. 2004 See condition in 5.1.3.4. Agreed at April 2005	5	4 C-1

ISSUES STILL TO BE DECIDED / CONFIRMED by PVGTR informal group	TIMING	Imp.	Diff.
Static parking braking performance with trailer yes/no	Majority wants this safety requirement, US position is no. Discussed in Jan/Apr 2005, Compromise allows additional use of automatic transmission set in the park position. Decision by September 2005	3	5 P
EPB requirement for parking brake	Agreement looked possible in Jan. 05 Delete R13-H paragraph 5.2.19.2 but not 5.2.19.2.1.	5	5 T

	(Reservation maintained by Germany and France). Decision by June 2005		
ABS - Performance definition	SWG accepted "PVGTR SWG3-15" as compromise, Govts still lack confidence that poor systems are distinguished (as e.g. by a low mu stopping distance test Discussed in Jan + Apr.05 with no agreement. Confirmation by Sept 2005	5	5 Te
Unbraked trailer – service braking performance specified: yes/no	Proposal of the SWG: Delete Annex 3, par. 2.1.2. Deletion rejected by PVGTR informal group. US to consider further. Decision by September 2005	3	1 P
Update of provisions for PTI yes/no?	Decision by 200? GRRF	5	4 P
Stop lamp illumination: to be included in GTR? yes/no?	April 2005 decision held up by Selective braking GRRF discussion needed?	1	4 P
EBS requirement for service brake	Proposal of SWG: Keep R13-H text with the following changes: <ul style="list-style-type: none"> • Delete par. 5.2.8.1 and 5.2.8.2 (compensation) [Reservation by Japan discuss at June 05mtg] Decision deferred ??? 2005 <ul style="list-style-type: none"> • Change 5.2.20.1 to secondary performance Agreed Jan. 05 (reservation by UK) No Decision by September 2005 GRRF <ul style="list-style-type: none"> • Delete 5.2.20.2 Agreed Jan. 05 <ul style="list-style-type: none"> • calculation alternative for 5.2.20.6 now an option in the text 4.3.18.5. Decision? <ul style="list-style-type: none"> • Delete 5.2.20.7 suggested • S6.3.12 Elect actuated braking clause added 5.2.10. • No discussion in April 05 Decision by ?	5	5 T

Schedule of Informal Group meetings:

11-13 th April	London
27-29 June 2005,	Paris (before GERF)
19/20 th September	Geneva (before GRRF)
15/16 December 2005,	Paris (after GERF)
28-30 March 2006,	Washington/London