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(39th GRSP, 15th- 19th May 2006

agenda item B.1.8.)



Japan's Feasibility Study of
ECE/TRANS/WP.29/GRSP/2005/5/Rev.1
UNECE-Regulation No.16



Requirements for Acceleration Sleds [R.16 GRSP/2005/5/Rev.1]

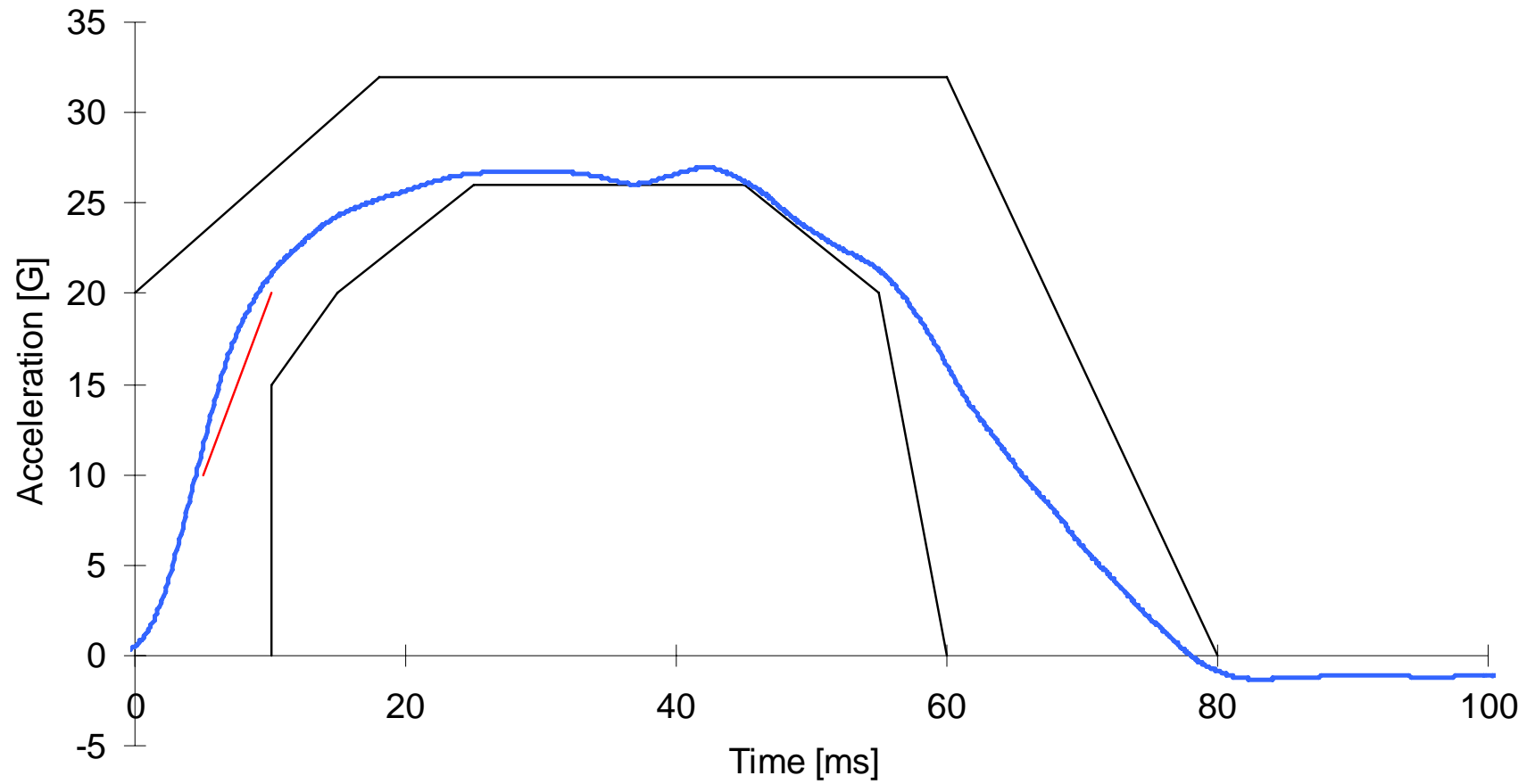
A: Acceleration curve within the corridor

B: $\Delta V = 51 \pm 2/0$ (km/h)

C: Initial slope of acceleration
5ms-10G & 10ms-20G

~~D: Acceleration distance
50 \pm 1/0km/h = 40 \pm 5 (cm)~~

R.16 Test Results



R.16 Test Results

T/ N	A	B	C	
	Conformity in corridor	Delta- V (km/ h)	at 5ms (G)	at 10ms (G)
R16 (GRSP/ 2005/ 5/ Rev.1)	-	51+2/ - 0	10	20
Sled A	Pass	51.9	11.5	21.0

*Sled A :12inch cylinder, HYGE



The acceleration device (HYGE) met all requirements by improving the metering-pin.



Conclusion

The verification test result shows that the requirements specified in GRSP/2005/5/Rev.1 can be satisfied under **the calibration condition** (without a dummy/safety belt).

To specify this requirement for only **calibration condition**, we would like to propose to amend GRSP/2005/Rev.1 as same as “Deceleration test device”.