

PAS 2012 Technical Interpretation		Interpretation number	015
Title	Carrying out Annex C dynamic tests using the ECE Regulation 17 pulse		
PAS Version	2012 : 2015		
Clause(s)	5.5	Annex C	
Enquiry	Is it possible to use the deceleration pulse described in ECE Regulation 17 instead of the one specified in Annex C of PAS 2012 for a ramp, spare wheel or tail lift?		
Decision	No. The test requirements agreed during the drafting of PAS 2012 must be maintained.		
Rationale	<p>The test pulse in Annex C of PAS 2012 is taken from ISO 10542. This is the pulse used to test the WTORS both out-of-vehicle for ISO 10542 compliance and in-vehicle for PAS 2012 compliance. It was therefore decided to use the same pulse to determine ramp, tail lift or spare wheel mounting integrity, partly to ensure uniformity of crash test requirements across all the dynamic testing in the PAS, and partly to minimise setup costs when testing the vehicle, as all tests are done using the same pulse.</p> <p>The ECE Reg 17 pulse is used for testing car seats and is very similar to the ISO 10542 pulse but the velocity change and duration of the two pulses are very slightly different. Although both are likely to give similar levels of confidence in the level of safety provided, acceptance of this alternative pulse would set a precedent for considering other pulses (such as the one used in ECE Regulation 44 for child seats or the luggage retention test in Annex 9 of Reg 17) in the PAS, not only for ramp, spare wheel and tail lift mounting integrity, but also for WTORS, ultimately leading to an unacceptable level of dilution of its requirements.</p>		
Effective date	2/05/2017		