Test Results

ISO/NP 7176/19
30th August 2001

Section 5.2 - Dynamic Performance Requirements

Wheelchair: Whirl Occupant: HII 50 %ile (75 kg)	RESULTS
5.2.1 During the Test	
a). Horizontal ATD and wheelchair excursion limits as per limits shown in Table 3:-	
Was the horizontal movement of the test wheelchair P- Point (X wc) less than 200 mm (±5mm)	PASS 54 mm
Was the horizontal movement of the dummy knee (X_{knee}) less than 375 mm (±5mm)	PASS 263 mm
Was the horizontal movement of the dummy head (X_{head}) less than 650 mm (±5mm)	PASS 413 mm
b). Was the ratio X_{knee}/X_{wc} >1.1:1	PASS 4.9:1
c). Not Measured	
Did the batteries of powered wheelchairs, or their surrogate parts:-	
i). move outside of the wheelchair footprint	N/A
ii). move into the wheelchair user's space	N/A
5.2.2 Post Test	
a). Did the wheelchair remain upright on the test platform Did the ATD remain in a seated posture in the test wheelchair with a torso angle less that 45°	PASS
b). Did the wheelchair securement points show visible signs of material failure	PASS
c). Did any components of a mass greater that 100g become detached from the wheelchair	PASS
d). Did any occupant contactable components fragment or separate with an edge of less than 2mm	PASS
e). Did any primary load carrying components of the wheelchair show any visible signs of failure	PASS
f). Did any 'tilt in space' locking mechanisms show signs of failure	PASS
g). Was the ATD released from the wheelchair without the use of tools	PASS
h). Was the wheelchair released from the restraint system without the use of tools	PASS
i). Was the average decrease of H-Point height relative to the wheelchair platform less than 20% of the pre-test height.	YES
Has the wheelchair satisfied the Dynamic Test requirements of ISO/FDIS 7176/19 of 30 August 2001	**PASS**