

Requirements Overview Deployable Pedestrian Protection Systems

TF-DPPS/2/03-Rev.2 (Korea)

colored box means
modified during
the meeting

O= Yes, X= No
26.10.2017

	Item No.	Items	Euro NCAP	JNCAP	KNCAP	OICA proposal	Current gtr No. 9/UN R127 or currently practiced in certification testing	Remarks	Discussion needed	Decision
Prerequisite	1	System Information Requirement (provided by manufacturers)	O	O	O	O	O	different information provided today, extend of information to be agreed	O	
	2	Simulation Human Models or Physical Test Human dummies (tool for HIT)	O	O	O	O	O	different information provided today, extend of information to be agreed	O	
	3	Simulation/Alternative Means	O	O	O	O	O	posture, position, friction to ground, impact speed (40km/h or 45km/h)	O	
	4	Requirement (for HIT)	speed: 45km/h	speed: 40km/h	speed: 40km/h	speed: 40km/h	speed: 40 km/h		O	
	5	HIT Information	O	O	O	O	O	HIT & WAD graph (best regression linear line ??)	O	
	6	Protection at speed below the deployment threshold	O	O	x	x	x	HIC requirement, impact speed	O	
	7	Protection at higher impact speeds	O	x	x	x	x	initiation at least 50km/h	O	
	8	Bonnet deflection due to body loading	O	x	△ (deployed simulation only)	x	x	undeployed simulation, deployed simulation, displacement by body loading	O	
	9	Bonnet deflection clearance (BAST)	x	x	x	x	x	BAST, Germany	O	
Verification	10	TRT Test (speed of HIT)	x	O	O	O	O	impactor, location, number of tests	x	
	11			center and outmost point of deployed head test area	location: by agency (in bumper test area)	Center	Center		O	
	12			number of tests: 2	number of tests: min. 1	number of tests: 1	number of tests: 1		O	
	13	Lower Threshold Deployment Test	O	x	O	x	x	deployment check, impactor	O	
	14		location: particular locations in bumper test area	center and outmost point of deployed head test area (manufacturer to provide)	location: by agency (in bumper test area)				O	
	15		number of tests: min. 3		number of tests: min. 2				O	
	16	Static Head Test at undeployed position at Lower Threshold Speed	O	O	x	x	x		O	
	17		number of tests: max. 3	number of tests: max. 3					O	
18		O	x	O	x	x		O		

	19	High Threshold Test (initiation of deployable bonnet beyond 40 km/h)	location: particular locations in bumper test area		location: by agency (in bumper test area)			deployment check, impact speed	0	
	20		velocity min. 50 km/h		max. speed specified by manufacturer				0	
	21		number of tests: 1		number of tests: max. 2				0	
Headform Test	22	Static Test at the undeployed position (if prerequisites are not met)	0	0	0	x	x		0	
	23	Static Test at the deployed position	0	0	0	0	0	aiming method, speed measurement, marking position	x	
	24	Dynamic Test	0	0	0	0	0	synchronization procedure/requirement, accuracy check	x	
	25	Combined Test	0	0	0	0	x		x	