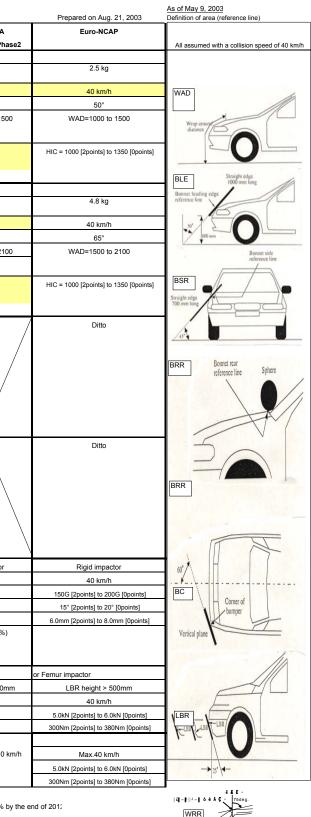
	Safety Comparison Table	· · · ·	D ()	INF GR / PS / 56			
Part	Item	GTR Japa	anese Draft	GTR EU Doyle Draft	Japanese Regulation	European NA	European NA
			Reference from IHRA	PS-53	(Draft)	First phase	EEVC - WG17 = Phase
ead	Front part of hood (Child head)	0.5	PS166, PS167, PS178, PS230, PS248R,		2.5%	3.5 kg	0.5 kg
	Impactor weight	3.5kg	SAE973317	?	3.5kg	3.5 Kg	2.5 kg
	Impact speed	32km/h	PS248R	35 km/h	32km/h	35 km/h	40 km/h
	Impact angle	*(1) 65° (2) 60° (3) 25°	PS237, PS244, PS248R	?	*(1) 65° (2) 60° (3) 25°	50°	50°
	Application area	WAD=1000 or BLE to 1700 or BRR	PS186, PS209, PS223, PS224		WAD=1000 or BLE to 1700 or BRR	WAD=1000 or BLE to BRR	WAD=1000 to 1500
						(Whole area of hood; Child's head)	
	-	including A-pillar, Area between BLE and FL, gla		Whole area of bonnet test			
	Criteria	HIC <u>&lt;</u> 1000	PS244	HIC <u>&lt;</u> 1000	2/3 area: HIC < 1000	2/3 area: HIC <u>&lt;</u> 1000	
					1/3 area: HIC <u>&lt;</u> 2000	1/3 area: HIC <u>&lt;</u> 2000	HIC <u>&lt;</u> 1000
	Rear part of hood (Adult head)						
	Impactor weight	4.5kg	PS150 (ISO/N354), PS167, PS178, PS230,		4.5kg		4.8 kg
		Long	PS248R,		5		5
	Impact speed	32km/h	PS248R		32km/h		40 km/h
	Impact angle	*(1) 65° (2) 90° (3) 50°	PS237, PS244, PS248R		*(1) 65° (2) 90° (3) 50°		65°
	Application area	WAD=1700 to 2100 or BRR	PS186, PS209, PS223, PS224		WAD=1700 to 2100 or BRR		WAD=1500 to 2100
		including A-pillar, Area between BLE and FL, gla					
	Criteria	$\frac{1000}{\text{HIC}} \leq 1000$	PS244		2/3 area: HIC < 1000		
	ontena	1110 - 1000			1/3 area: HIC < 2000		HIC < 1000
					10 dicd. 110 3 2000		110 - 1000
	Windshield (Child head)		* (1)BLE height < 835 (SDN)		· /	/	$\setminus$
	Impactor weight	3.5kg	(2)BLE height <u>&gt;</u> 835 (SUV)		* (1)BLE beight < 835 (SDN)		$\backslash$
	Impact speed	32km/h	(3)Hood angle <u>&gt;</u> 30° (1BOX)		* (1)BLE height < 835 (SDN) (2)BLE height≥ 835 (SUV) (3)Hood angle≥ 30° (1BOX)		
	Impact angle	*(1) 40° (2) 40° (3) 50°			(3)Hood angle > 30 (TBOX)		
	Application area	WAD=1000 to 1700 or WRR	PS186, PS223, PS224	$\mathbf{X}$			
			,				
	Criteria	HIC <u>&lt;</u> 1000					
							$\langle \rangle$
							$\vee$
	Windshield (Adult head)				$\wedge$	Record only	$\wedge$
	Impactor weight	4.5kg		?	1 / \	4.8 kg	
	Impact speed	32km/h		35 km/h		35 km/h	
	Impact angle	*(1) 40° (2) 40° (3) 50°		?		35°	
	Application area	WAD=1700 to 2100 or WRR					
	No test method						
	Criteria	HIC <u>&lt;</u> 1000		HIC <u>&lt;</u> 1000		HIC <u>&lt;</u> 1000	· / ·
	No test method				$\backslash$		/
	No test method				/		/
.eg	Bumper (Leg)	Flexible impactor	PS119R2	Rigid impactor		Rigid impactor	Rigid impactor
		40 km/h	(To include the results of IHRA in October	40 km/h		40 km/h	40 km/h
-	Impact speed	40 KII/II					
-	Impact speed Criteria: Acceleration		and report at GRSP/PS WG in January )	200 G		200 G	150 G
-				200 G 21°		200 G 21°	150 G 15°
-	Criteria: Acceleration	-	——••				
	Criteria: Acceleration : Bending Angle		——••	21°		21°	15°
-	Criteria: Acceleration : Bending Angle : Shear displacement : Load Knee compression : Stress distorsion bone fracture		——••	21° 6.0 mm		21° 6.0 mm	15° 6.0mm
	Criteria: Acceleration : Bending Angle : Shear displacement : Load Knee compression		——••	21° 6.0 mm		21° 6.0 mm	15° 6.0mm
	Criteria: Acceleration : Bending Angle : Shear displacement : Load Knee compression : Stress distorsion bone fracture	[] kN []	——••	21° 6.0 mm	Not evaluated	21° 6.0 mm	15° 6.0mm
	Criteria: Acceleration : Bending Angle : Shear displacement : Load Knee compression : Stress distorsion bone fracture : Displacement stretched ligament	[] kN []	——••	21° 6.0 mm (Injury risk 50%)	Not evaluated	21° 6.0 mm (Injury risk 50%)	15° 6.0mm (Injury risk 20%)
	Criteria: Acceleration : Bending Angle : Shear displacement : Load Knee compression : Stress distorsion bone fracture : Displacement stretched ligament or Bumper (SUV alternative test)	- - - []kN [] []mm	and report at GRSP/PS WG in January )	21° 6.0 mm (Injury risk 50%) or Femur impactor	Not evaluated	21° 6.0 mm (Injury risk 50%) or Femur impactor	15° 6.0mm (Injury risk 20%) or Femur impactor
	Criteria: Acceleration   : Bending Angle   : Shear displacement   : Load Knee compression   : Stress distorsion bone fracture   : Displacement stretched ligament   or Bumper (SUV alternative test)   Application vehicle	- - - []kN [] []mm	——••	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm	Not evaluated	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm	15° 6.0mm (Injury risk 20%) or Femur impactor LBR height > 500mm
	Criteria: Acceleration : Bending Angle : Shear displacement : Load Knee compression : Stress distorsion bone fracture : Displacement stretched ligament or Bumper (SUV alternative test) Application vehicle Impact speed	- - - []kN [] []mm	and report at GRSP/PS WG in January )	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm 40 km/h	Not evaluated	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm 40 km/h	15° 6.0mm (Injury risk 20%) or Femur impactor LBR height > 500mm 40 km/h
	Criteria: Acceleration : Bending Angle : Shear displacement : Load Knee compression : Stress distorsion bone fracture : Displacement stretched ligament or Bumper (SUV alternative test) Application vehicle Impact speed Criteria: Load	- - - []kN [] []mm	and report at GRSP/PS WG in January )	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm 40 km/h 7.5 kN	Not evaluated	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm 40 km/h 7.5 kN	15° 6.0mm (Injury risk 20%) or Femur impactor LBR height > 500mm 40 km/h 5.0 kN
	Criteria: Acceleration : Bending Angle : Shear displacement : Load Knee compression : Stress distorsion bone fracture : Displacement stretched ligament or Bumper (SUV alternative test) Application vehicle Impact speed Criteria: Load : Bending moment	- - - []kN [] []mm	and report at GRSP/PS WG in January )	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm 40 km/h 7.5 kN	Not evaluated	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm 40 km/h 7.5 kN	15° 6.0mm (Injury risk 20%) or Femur impactor LBR height > 500mm 40 km/h 5.0 kN
	Criteria: Acceleration : Bending Angle : Shear displacement : Load Knee compression : Stress distorsion bone fracture : Displacement stretched ligament or Bumper (SUV alternative test) Application vehicle Impact speed Criteria: Load : Bending moment Hood edge (Femur)		and report at GRSP/PS WG in January )	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm 40 km/h 7.5 kN 510 Nm	Not evaluated	21° 6.0 mm (Injury risk 50%) or Femur impactor LBR height > 500mm 40 km/h 7.5 kN 510 Nm	15° 6.0mm (Injury risk 20%) or Femur impactor LBR height > 500mm 40 km/h 5.0 kN 300 Nm

1st phase New model cars Target July 2005 (October at the latest) Continuing cars 80% by July 2005, 90% by 2011 and 100% by the end of 201: 2nd phase New model cars 2010 Continuing cars Phased in from 2012 on and 100% by the end of 2015



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