

Schedule of Head Restraint gtr Phase-2 Informal Working Group Based on WP29/2009/130(Japan) and WP.29-149-30(Japan) Rev.2 (3-Feb-'10)		Year		'08											'09											'10												'11+ (Tentative)*												'12+ (Tentative)*												
		WP29	GRSP	11 (146)	12 (144)	2	3 (147)	4	5 (145)	6 (148)	7	8	9	10	11 (149)	12 (146)	1	2	3 (150)	4	5 (147)	6 (151)	7	8	9	10	11 (152)	12 (148)	1	2	3 (153)	4	5 (154)	6 (149)	7	8	9	10	11 (155)	12 (150)	1	2	3 (156)	4	5 (157)	6 (152)	7	8	9	10	11 (158)	12 (153)										
		General Schedule		TOR Prop osal												TOR Pre approval												PR #1												PR to WP #1	PR #2												PR to WP #2									
Informal face-to-face meeting for research/validation and development			#0-1 10- 11th @BAS	GBUM			#0-2 26th @ISO	GBUM			GBUM			GBUM			#0-3 6th @NHTSA	#1 7th @UN	GBUM			#2 2-3rd @JP	BR TEG	BR TEG	#3 17th @UN	BR TEG	BR TEG ?	#4 20-21st @BAS	#5 (UN)	#6 (150)	#7 (UN)																															
Research Items		Research Institute							Research/Validation Completion and Submission of Draft Proposal (Estimate)																																																					
V = Research ongoing/planned V(Comp.)= Research completed		Japan	EEVC	NHTSA (US)	Korea	OICA (POB FOAD)	Dummy supplier (Denton/ ETSSI)																																																							
Head restraint height	Effective height definition		V	V																																																										
	Height requirements		V	V	V																																																									
	Test Conditions Definition (value, conditions)		V	V	V																																																									
	Minor neck injury mechanism	Accidents analysis		V	V																																																									
		Volunteer tests/simulations		V	V	V																																																								
	Evaluation indicators	Relative movements of upper/lower neck and the force on		V	V	V	V																																																							
		Reference value definition		V	V		V																																																							
	Effects on reduction of injury and cost Effectiveness evaluation			V	V																																																									
				V	V																																																									
	Bio RID II TEG	New HRMD Drawing																																																												
		Drawing package (2D and 3D)																																																												
		Certification procedures		V	V	V	V	V	V																																																					
Biofidelity			V	V	V																																																									
Repeatability & Reproducibility			V	V		V	V	V																																																						
Sitting method (for standard seat)			V	V			V	V																																																						
Sitting method (for Upright seat)		V	V	V		V	V																																																							
Mid or High speed Dynamic test for other injuries (AIS 2+)	Test Conditions Definition																																																													
	Whole vehicle or seat on sled Sled Pulse (value, conditions)																																																													
	Other injury mechanism	Accidents analysis																																																												
		Volunteer tests/simulations																																																												
	Dummies	Test method, structure (improve reproducibility)																																																												
		Sitting method (reduce variation)																																																												
	Evaluation indicators																																																													
Reference value definition																																																														
Effects on reduction of injury and cost Effectiveness evaluation		V	V																																																											

* These timings should be considered as indicative at this moment.
The delivery of regulatory proposals will be dependent upon the completion of a collaborative programme to validate the test tools and protocols.
The informal group will regularly report progress to WP29/GRSP and agree a delivery timeline by the end of 2009.