

## Head restraint gtr Phase2 Status and Open issues

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### Status and Schedule of Gtr No.7 Phase2 Informal WG & BioRID II TEG

	Dummy Inspection	Component Testing	Sled Testing	Deliverable timing	
				Step1 by May 2011	Step2 by TBD
Head restraint height	A new method was proposed by Netherlands, who are studying a new concept in response to comments received from the informal group.			Aug. 2010	
Sled Pulse	Delta V=16 or 18km/h was proposed by Japan			Sept. 2010	
Evaluation indicators	<ul style="list-style-type: none"> <li>· NIC, Upper &amp; Lower FX, FZ, MY were proposed by Japan.</li> <li>· Dynamic backset was proposed by EEVC</li> </ul>			Sept. 2010	
Reference value	<ul style="list-style-type: none"> <li>· Dynamic backset criteria proposed by Japan</li> </ul>			Sept. 2010	
Drawing Package For HRMD	New HRMD and calibration tool were proposed by VDA but further discussions are taking place between VDA and SAE			Sept. 2010	
Drawing Package for BioRID II	Drawing package (2D & 3D) are being prepared by the BioRID manufacturer(s).			Draft by July 2010	Upright version
Certification Procedure	Proposal Completed	Proposal is modifying	Under Discussion	Draft by Sept. 2010	Upright version
Durability	Korea experienced neck bumper issues when trialing the revised calibration procedure. FORD identified a need for a body block on the calibration sled to avoid dummy damage.			By July 2010	
Repeatability & Reproducibility			Japan reported new result	Understand issue by Sept. 2010	Upright version
Biofidelity	Japan & EEVC: Completed  U.S: Under Discussion	Japan & EEVC: Completed  U.S: Under Discussion	Japan & EEVC: Completed  U.S: Under Discussion	Standard position be Completed If US result will be different by Oct. 2010, keep Hill as Contracting Party option.	Upright version
PADI	Proposal is being prepared by dummy manufacturer.			Complete Draft by Sept. 2010	Upright version
Seating procedure for standard seat	<ul style="list-style-type: none"> <li>· Japan proposed procedure with design torso angle about [20] degree and higher, will study R&amp;R.</li> <li>· Phase1 request fix 25 degree.</li> </ul>			Review for use of limit and R&R with design torso angel by Sept. 2010	
Seating procedure for upright seat	<ul style="list-style-type: none"> <li>· PDB and Japan are studying upright torso tool and have identified some issues.</li> <li>· Biomechanical reference for the alternative setting comb has to be established.</li> </ul>			Review volume of production by Sept. 2010.	Maybe postpone
Mid or High Speed Dynamic test	<ul style="list-style-type: none"> <li>· US studies of candidate dummies are ongoing.</li> <li>· US are studying moderate delta V (around [24km/h]).</li> </ul>				Propose end of Oct. 2010.

Next TEG web meeting on June 22, and informal group meeting Sept [20<sup>th</sup>], 21<sup>st</sup> and 22<sup>nd</sup> at Berlin, Germany.