

Status Report of the IWG of the Three- Dimensional H-Point Machine (3D-HPM)

62ND GRSP SESSION

12 – 15 DEC 2017

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Delegates involved

- ADIENT – Thomas Boenniger.
- BMW – Stefan Essebier.
- CLEPA – Paolo Alburno.
- DAIMLER – Erwin Kirschner.
- FAURECIA – Detlef Watermann.
- HONDA – Toshiaki Shimizu.
- HONDA – Yoshiji Kadotani.
- INSIA – Luis Martínez.
- LEAR – Antonio Hernández.
- OPEL – Alexandra Scholz.
- OPEL – Thomas Kinsky.
- RENAULT – Irina Dausse.
- TAKATA – Karsten Hallbauer.
- UTAC CERAM – Jean-Philippe Lepretre.
- VDA – Sascha Pfeifer.
- VOLKSWAGEN – Sven Rathmann.
- ZF – Andrés Iglesias.

Background

- Variability between UNECE documents regarding the specifications of the 3D-HPM.
- VDA provide an excel sheet with revisions of affected UNECE Regulations from previous IWG activities.
- ISO 6549-1999 makes reference to SAE HPM (SAE J826 assumed).
- SAE J826 has been updated at: 1995, 2002, 2008 and 2015.
- Such updates have not been reflected in UNECE documents.

Objectives

- To harmonize the specifications of the 3D-HPM for all the UNECE Regulations: 1958 and 1998 Agreement.
- Validate the harmonized 3D-HPM specifications before propose Regulation updates to the affected ones.
- To propose Regulation updates according to IWG on 3D-HPM results.

Status of IWG Meetings

- 1st Meeting
 - Web meeting, 24th May 2017.
 - Summary of previous meetings of the IWG of the 3D-HPM.
 - Sharing of the machines used by the attendants according to UNECE R. E. 3 and ISO 6549.
 - Discussion about the variability between standards regarding the dimensions of the 3D-HPM.
- 2nd Meeting
 - Web meeting, 27th June 2017.
 - Revision of the affected UNECE Regulations.
 - Discussion between the different uses of the 3D-HPM depending on the Regulation.

Status of Discussion

- There are 22 regulations where the 3D-HPM is referenced.
- The 3D-HPM in these regulations has a direct reference to ISO 6549 (1999 or 1980) or SAE J826-1995. Other cases have reference to RE.3 rev 2&3.
- The finality of the 3D-HPM in these regulations is for R-point validation or for dummy positioning.
- 4 dummies are referenced: H-III50M, H-III5F, ES-2 and WS-50M. Further validation are needed.
- The certification of a 3D-HPM will be revised.

Next IWG Meetings

- 3rd Web Meeting
 - End of January 2018 (TBD).
- 4th Meeting Face to Face
 - In Europe, February/March 2018 (TBD).
 - Close most discussion items.

Thank you for your
attention
