Peter Derpmann-Hagenström

MME TaskForce Moenchengladbach Agenda with Minutes

MME TaskForce Meeting – Agenda

11.04.2013   9:30 - 16:30 (GMT+1)   MeasX

- Introduction
- Figures
- MME 2.0
- Chest Deflection Measurement
- MME-Forum
- Regulation Coding
- Date and place of the next meeting

Introduction

Participants:

- Dirk Vetter   IAT

- Sebastian Rings   MeasX

- Paul Wellicome   MIRA

- Gerd Pfeiffer   Porsche

- Peter Derpmann-Hagenström   Volkswagen

Figures - Naming Rules

General rules:

- **The MainLocation should describe the position of the measurement point.**

- **ChannelCodes which deviate from the following rules but are in use for a long time should not be changed.**

Especially for new dummy and impactor channels the MME TaskForce uses the following naming rules:

- **The naming of the channels should describe the structure of the dummy as a measurement device.**

- **The FineLocation1 should describe the most significant spatial orientation of the channel.**

- **The FineLocation2 should describe the less significant characteristic of the channel location or property.**

- **The FineLocation3 is identical to the dummy code.**

In addition for all other channels where the FineLocation3 is not reserved for the dummy code the following rules will be applied:

- **The FineLocation 1,2,3 should be used in the order X,Y,Z in the coordinate system of the testobject, if all three spatial directions are used.**

- **If one or two spatial directions are unused the other move up, resulting in 00 values at the FineLocations 3 and possibly 2.**

Figures - Status

Dummy figures -> http://www.iso-mme.org/forum/viewforum.php?f=69

E2/ER, WS, H3, HF, HM, Y2, Y7, Q0, Q1, Q2, Q3, Q4, Q6
are finished in edition 2

Y6 temperature channels have to be changed

P2, P3 wmf files in DB distribution have to be resized

Open issues for BR, S2

Naming Rules are posted in the MME-Forum and should be placed in RED A of
MME 1.6Rev1 and MME 2.0

-> for details please see next page

Vehicle figures -> http://www.iso-mme.org/forum/viewforum.php?f=77

-> the coordinate system should be added in every figure

Figures - MME 1.6 – Corrections

WS	`THSP` instead of `SPIN` is ok but AK3 and AK5 have to be informed	Information
P2, P3	wmf-files in DB distribution have to be resized	DB
BR	Add `THSP01,THSP08,LUSP01 ACY` to additional page	Figure
S2	Change rotation of Elbow Joint from Z to Y-axis	DB, Figure
S2	Change rotation of Wrist Joint from Y to Z-axis	DB, Figure
All types	Change temperature measurement ML from `SPIN` to `THSP`	done (except Y6)

MME 2.0

Information for SC12 voting send to experts/representatives in:

- France, Brazil, Germany, Italy, Japan, Netherlands, Spain, Sweden, USA and UK

- Not informed: Canada, China, Korea, India, Russian Federation

Changes/Comments to the current version:

- add new column L/G (local/global) for the descriptors of all block structured information files

- Add remark to *Start offset intervall* and *End offset intervall* :"connected to *Offset post test*"

- Add remark to *Offset post test* for sign convention : „value which was compensated"

- Add remark to *UUID*: „identifies sensor measurement axis" and use without brackets

- Replace *n* by *x* in Tab. 2.3 to clearify that the testobject don't have to be a number

The revised versions of the maindocument and RED A are published at
- -> http://www.iso-mme.org/forum/viewtopic.php?f=35&t=336

Chest Deflection Measurement

The discussion of a proposal for chest deflection measurement systems and their channelcodes lead to the follwing distinctions:

- Frontal and Side Impact

- 1-, 2- and 3-Axial Systems

Decisions:

- Only the spatial components of the calculated chest deflection should be exchanged.

- For special reasons in the developing procedure of a system it could be necessary to exchange in addition the transducer signals as displacements and/or angles and sometimes as Voltage Channels. Then:

- All special calibration information like coefficients and dimensions should be handled in agreement between the exchanging partners.

MME-Forum – Additional codes

☑ Physical Dimension for Area
  -> item closed

☐ Channelcode for Static test
  -> discussion

☐ Coding for Hybrid III String Pot Chest
  -> see page Chest Deflection

☐ Channelcodes for Q10 Dummy
  -> Only FL3 QA is fixed. Item remains open for now for further discussion as required.

☐ ISO Codes for RibEye™ Multi-point Deflection Measurement
  -> see page Chest Deflection

☐ 1157 Child Restraint coding
  -> Item remains open for now for further discussion as required. (Fig. SEAT_2)

Signs: ☐ ☑ ☒

MME-Forum – Regulation Coding

For the coding of regulations the following syntax is defined:

\<RegName\>_\<RegSpec\>_\<VersionCoding\>

with

\<RegName\>   Abbreviation of legal requirement or consumertest;
see MME 2.0 RED A Tab. 2.20

\<RegSpec\>   Number of legal requirement including alpha signs;
esp. 201P (for FMVSS Rigid Pole Side Impact)

\<VersionCoding\>   Can be the 4digit year or a version number (e.g. for consumertests)
or a combination of both or empty;
has to be agreed by the exchanging partners

Examples:

FMVSS_202AD_2011   FMVSS202aD Head Restraints – Dynamic Testing

GTR_9   Global Technical Regulation for Pedestrian Safety

ECE-R_94_2003   Protection of the occupants in the event of a frontal collision

IIHS_SmallOverlap_v2   Small Overlap Frontal Crashworth.Eval. Crash Testprotocol (Version II)

EuroNCAP_SidePole_2012/v5.2   Pole Side Impact Testing Protocol Version 5.2 Nov. 2011

Next meeting

- Date:
  -> 05.06.2013

- Place:
  -> NetMeeting