

Comments to

Technical Bulletin

Data format and Injury Criteria Calculation

Version 1.0

October 2014

TB021

1.1.1.1 ISO-MME 1.6

The <testnumber>.CHN file in the <Channel> subdirectory is missing.

The <testnumber>.MII file in the <Movie> subdirectory is missing.

The <Object> subdirectory is not mandatory in MME 1.6 and for the object information files no definition exists.

The <testnumber>.PHO file in the <Photo> subdirectory is missing.

The naming of all Comment files is changed by inserting the <testnumber>.

➔ Seems to be a combination of MME 1.6 and 2.0

1.1.2.1 List with type and subtype of the test

EuroNCAP test	Type of Test	Subtype of test	Type of the Test	Subtype of the test
Frontal ODB	Frontal	ODB	Frontal Impact	ODB Leftside
Frontal FW	Frontal	FW	Frontal Impact	0 Degree Active
Side MDB	Side	MDB	Side Impact Leftside	Barrier 90 Degree
Side Pole	Side	Pole	Side Impact Leftside	Pole 75 Degree
Whiplash	Whiplash	Low	Rear Sled Test	Whiplash-LowPulse
		Medium		Whiplash-MediumPulse
		High		Whiplash-HighPulse
Pedestrian	Pedestrian	Headform	Pedestrian Protection	Adult Headform To Windscreen
				Adult Headform To Bonnet
				Child Headform To Windscreen
				Child Headform To Bonnet
		Upper Legform		Upper Legform To Bumper
		Lower Legform		Upper Legform To Bonnet
	Lower Legform To Bumper			

Reasons for the differences:

- The view of the MME-TaskForce is not restricted to the 6 test procedures of EuroNCAP and should cover the complete safety test scenarios.
- For asymmetric tests the information about the main impact zone is important for the preparation process. The connection of the side information to the testtype or to the testsubtype is arbitrary to balance the list length.
- Crash tests and Crash simulations on a sled can be named 'Frontal', 'Side' and 'Rear' -> Decision between Impact and Sled Test. For example: Frontal Impact and Rear Sled Test.
- Whiplash is seen as a specific kind of sled test
- EuroNCAP makes no difference between Adult and Child headforms
- EuroNCAP makes no difference between the targets Windscreen, Bonnet and Bumper

1.2.1.1 Hybrid III 5% Female

Iliac and Lumbar Spine Forces and Moments with CFC 180 are in conflict to SAE J211 with CFC 600.

2.3.2 Lateral Shoulder Rib Displacement

2.4.3 Lateral Thoracic Rib Displacement

2.5.2 Lateral Abdominal Rib Displacement

Use $D_y(t) = L_t \sin(\beta_t) - L_0 \sin(\beta_0)$ with β starting at the dummy X-axis instead of

$D_y(t) = L_t \cos(\alpha_t) - L_0 \cos(\alpha_0)$ with α starting at the dummy negative Y-axis

→ Content of the angle channels have to be discussed

Coding for the rib deflection channels has to be changed from WSDS0 to WSDC0.