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agenda item A.1.)

Transmitted by the expert from Japan

# **Flex PLI Technical Evaluation Group (Flex-TEG) Status Report**

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# 1. Delegations (appointed members)

## Governmental Parties

EU/EEVC: D. Cesari, C. Masson (INRETS)

Germany: B. Lorenz, O. Zander (BASt)

NHTSA/Transport Canada: unknown

Korea: J.-W. Lee (KATRI) and Y.-H. Youn (Korea Univ. of Tech.-Education)

J-MLIT: H. Inomata (JASIC-GENEVA), A. Konosu (JARI/Chairperson)

## Industrial Parties (related to car product)

ACEA: O. Ries, S. O. Siems (Volkswagen), T. Kinsky (GM-Europe),  
R. Fleischhacker, W. Rentschler (Porsche), B. Trommler (Volvo)

JAMA: M. Tanahashi, I. Imaizumi (Honda R&D)

Alliance: unknown

KAMA: unknown

CLEPA: unknown

## Independent Parties

UTAC: F. Minne

TUV: W. Liebers

## Dummy Product Makers

FTSS: W. Onvlee (FTSS-Europe)

JASTI: T. Inoue

## 2. Tasks

Task1: Evaluation and Modification of the usability, repeatability, reproducibility, and durability of Flex-PLI as a tool for GTR/PS legform test. And shows the comparison results of all the above issue between the TRL-LFI and Flex-PLI.

- Usability
- Repeatability (component level and assembly level)
- Reproducibility (component level and assembly level)
- Durability (at least until threshold level durability is needed)
- Comparison between TRL-LFI and Flex-PLI for all above issue

Task 2: Review for the Injury Risk Function

Task 3: Technical Feasibility

- Can develop a car which complies the new threshold/requirement
- Evaluation of vehicle design and Evaluation of design process

Task 4: Evaluation of Protection Level provided by the Flex-PLI and the new threshold values

### 3. Activities

#### 1<sup>st</sup> Flex-TEG MT (OICA office, Paris, 5-6 Sep. 2005)

- Confirmation of TOR for this working group
- Introduction for the Flex-PLI type G (Flex-G)
- Test results for the Flex-G (component tests, car tests)
- Discussion on issues of Flex-PLI
- Confirmation of future action plan

-> More test results are required for detail discussions

#### 2<sup>nd</sup> Flex-TEG MT (BASt, Bergisch, 22 Nov. 2005)

- Test results for the Flex-G (repeatability tests, reproducibility tests, car tests)
- Tour for the Flex-G testing (at BASt/BGS)
- Discussion
- Confirmation of future action plan

-> Usability, Repeatability, Reproducibility of Flex-G is good.

-> However, Bending limit of the knee joint should be modified.

