

Transmitted by the expert from Japan

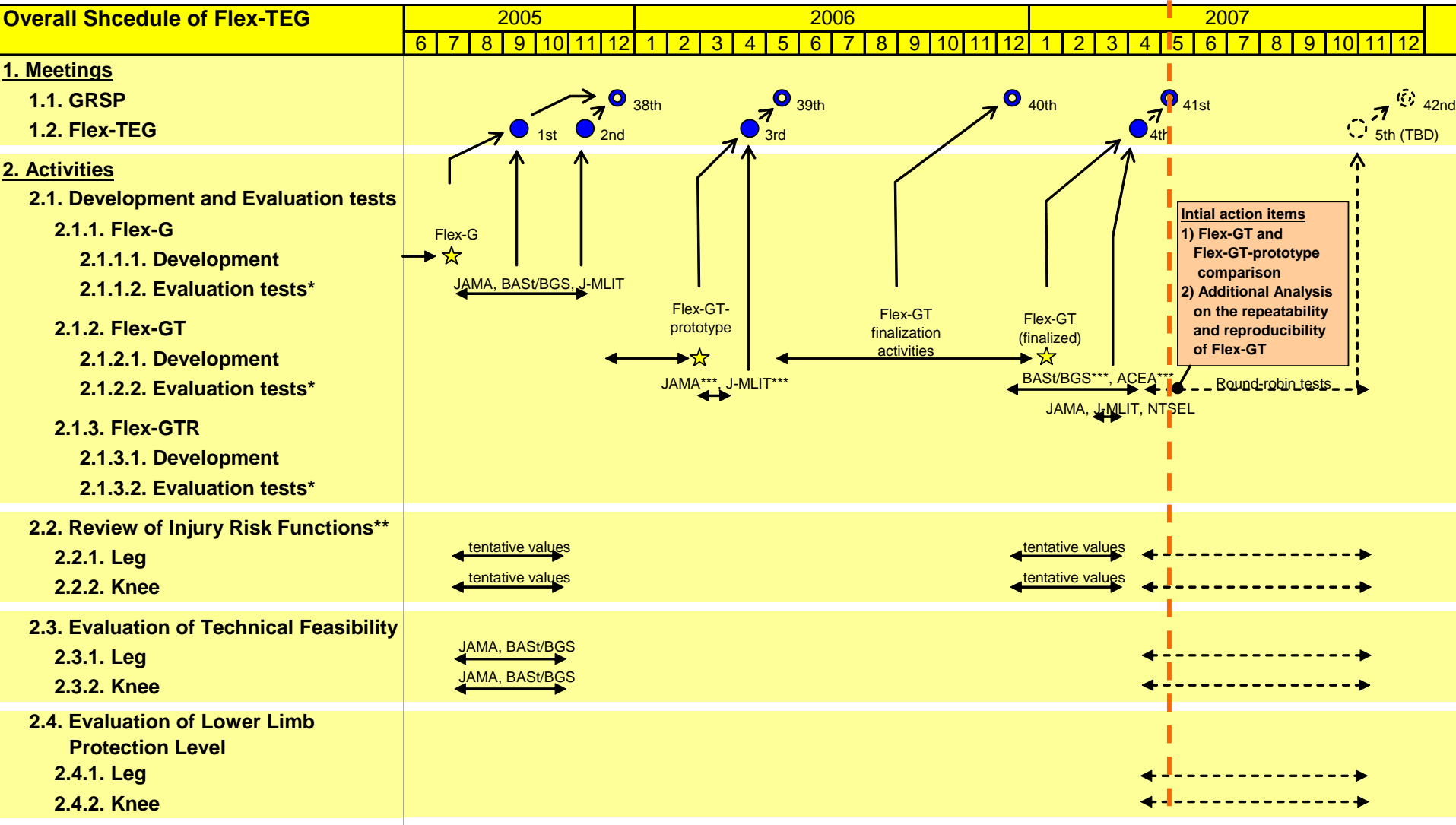
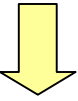


Status Report on Flexible Pedestrian Legform Impactor Technical Evaluation Group (Flex-TEG) Activities

Atsuhiko Konosu
Chairperson of Flex-TEG, Japan

Flex-TEG Overall Schedule

41st GRSP



Initial action items
 1) Flex-GT and Flex-GT-prototype comparison
 2) Additional Analysis on the repeatability and reproducibility of Flex-GT

* Usability, Repeatability, Reproducibility, Durability, and Comparison of those issues between the Flex-PLI and the TRL-LFI.

** Review and propose threshold values for Flex-PLI

*** Flex-GT-prototype tests

Latest Flex-TEG Activities (4th Flex-TEG meeting)

Agenda of 4th Flex-TEG meeting (2 April 2007, BASt, Bergisch Gladbach)

- 1. Opening and Welcome**
- 2. Adoption on the draft agenda of 4th Flex-TEG meeting**
- 3. Adoption on the draft minutes for 3rd Flex-TEG meeting**
- 4. Confirmation of Status of Action Items**
- 5. Flex-GT Information and Discussions**
 - 5.1. Computer simulation analysis**
 - 5.1.1. Development of an FE Biofidelic Flexible Pedestrian Legform Impactor Model (FLEX-GT-prototype Model)**
 - 5.1.2. Development of a Biofidelic Flexible Pedestrian Legform Impactor Type GT (FLEX-GT)**
 - 5.2. Specifications**
 - 5.2.1. Information on Flexible Pedestrian Legform Impactor Type GT (FLEX-GT)**
 - 5.3. Test results**
 - 5.3.1. Flexible Pedestrian Legform Impactor Type GT (FLEX-GT) Evaluation Test Results**
 - 5.3.2. Flexible Pedestrian Legform Impactor Type GT (FLEX-GT) Car Test Results**
 - 5.3.3. Flex-GT-prototype BASt Tests**
 - 5.3.4. Handling and Usage (Flex-GT-prototype)**
 - 5.3.5. Certification Histories (Flex-GT-prototype)**
 - 5.3.6. Flex-GT-prototype ACEA/BASt Tests at BASt/BGS March 2007**
 - 5.4. Demonstration of the Flex-GT-prototype test (13:30h)**
- 6. Future action plans (round-robin tests, etc.)**
- 7. Discussion on the contents of Flex-TEG status report for the 41st GRSP**
- 8. AOB**
- 9. Closing**

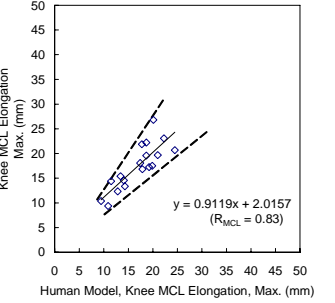
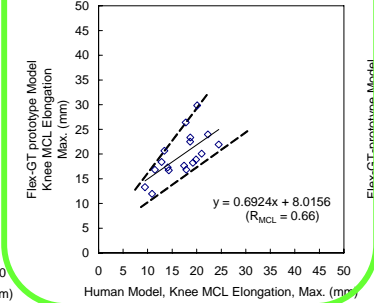
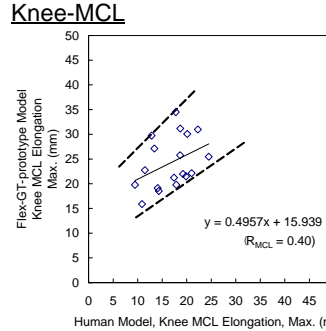
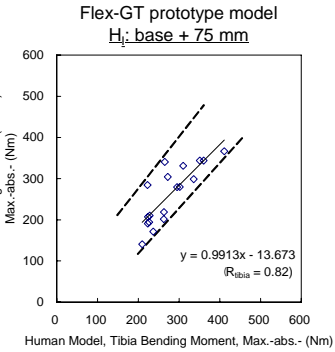
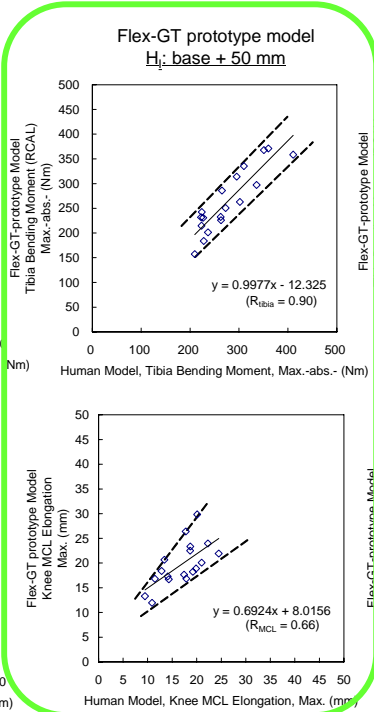
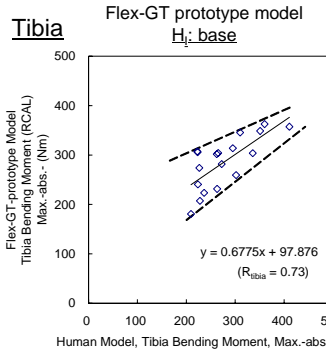
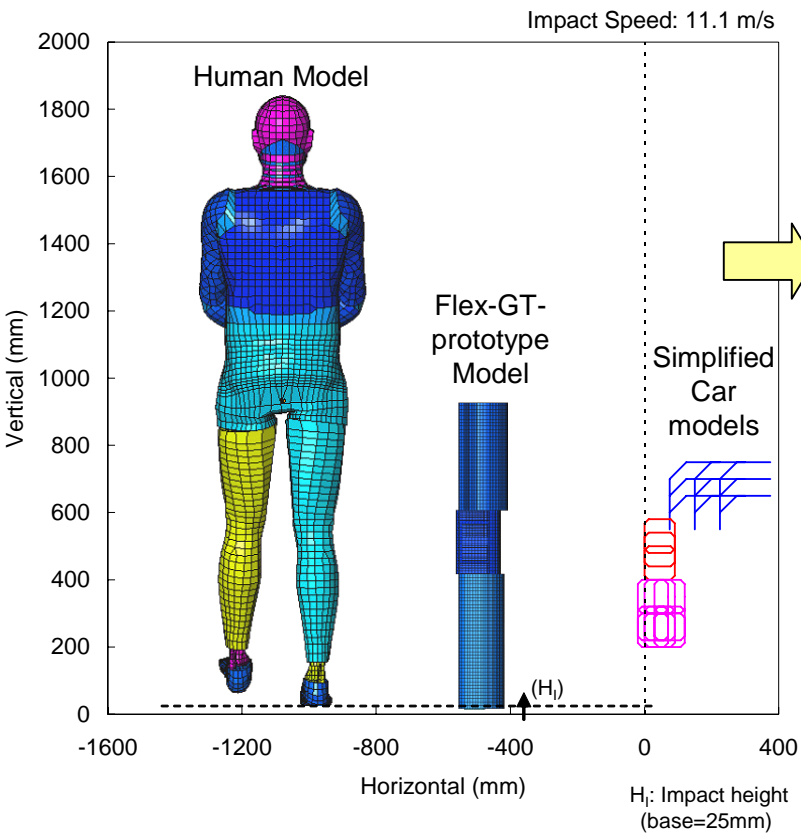
Latest Flex-TEG Activities (4th Flex-TEG meeting)

Participants of 4th Flex-TEG meeting (2 April 2007, BASt, Bergisch Gladbach)

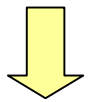
A. Konosu. Flex-TEG chairperson/J-MLIT/JARI.
B. Been. Flex-TEG secretariat/FTSS.
H. Inomata (J-MLIT/JASIC)
O. Zander, B. Lorenz (BASt)
D. Cesari (INRETS)
D. Gehring, P. Lessmann (BGS)
T. Kinsky, M. Zeugner, M. Erzgraeber (GM-E/ACEA)
O. Ries (VW/ACEA)
R. Fleischhacker (Porsche/ACEA)
A. Sipido, J. Ni (Ford)
H. Suzuki, I. Imaizumi (HONDA R&D/JAMA)
K. Wolff (SRS)
F. Minne (UTAC)
L. Thompson (TRL)
W. Liebers (TUV)
P. Haug (GE Plastics)
M. Burleigh (FTSS-UK)
T. Issiki (JARI)
Total: 24 attendances

Latest Flex-TEG Activities (4th Flex-TEG meeting)

Point 1: Finalization of the Flex-GT specifications



- To lift up the impact height of the Flex-GT can be obtained better correlation to the human one.



Flex-GT specification (need not to change Flex-GT-prototype specification) and its best impact height is selected.

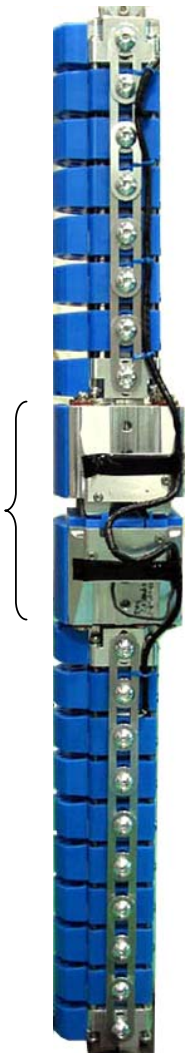
Latest Flex-TEG Activities (4th Flex-TEG meeting)

Point 1: Finalization of the Flex-GT specifications, contd.

Flex-GT

Constructions

Main body



Thigh flexible bending

Knee flexible bending with ligament restraint system

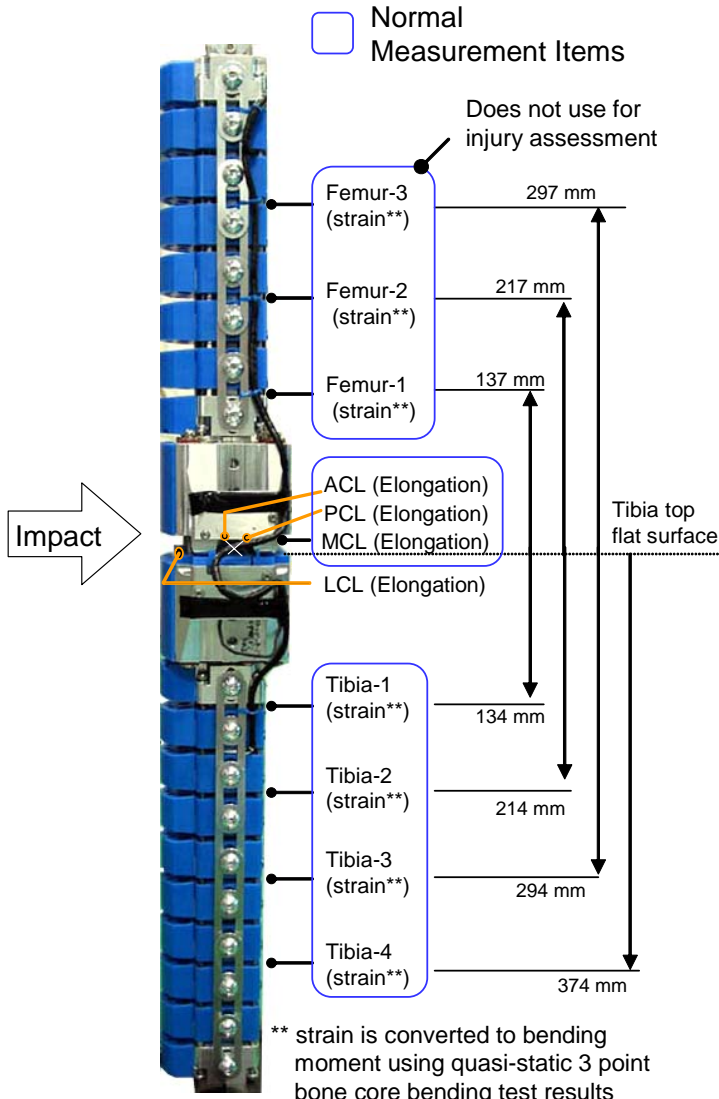
Leg flexible bending

Outer Flesh



Flesh
Neoprene and rubber sheets

Measurement Items



Latest Flex-TEG Activities (4th Flex-TEG meeting)

Point 2: Many of Flex-GT and Flex-GT-prototype test data is started to obtain

Agenda of 4th Flex-TEG meeting

5.3. Test results

- 5.3.1. Flexible Pedestrian Legform Impactor Type GT (FLEX-GT) Evaluation Test Results
- 5.3.2. Flexible Pedestrian Legform Impactor Type GT (FLEX-GT) Car Test Results
- 5.3.3. Flex-GT-prototype BAST Tests
- 5.3.4. Handling and Usage (Flex-GT-prototype)
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- 5.3.6. Flex-GT-prototype ACEA/BAST Tests at BAST/BGS March 2007

Car07A, Flex-GT (SN01)



Car07C, Flex-GT (SN01)

source: JAMA tests



Car07D, Flex-GT (SN01)

source: JAMA tests



Car07D, Flex-GT (SN02)

source: J-MLIT/NTSEL tests



source: J-MLIT/NTSEL tests



source: BAST/BGS tests



source: BAST/BGS tests

- Evaluation on Flex-GT-prototype and Flex-GT is just started.
- Flex-GT evaluation tests will be continued by this autumn, then 5th Flex-TEG meeting will be held in this autumn.

The image shows four blue fiber optic patch panels arranged in a row on a light blue base. Each panel has a series of fiber optic connectors and is connected to a black cable. The background is a green surface.

Thank you for your attentions!