

GRSP Informal Group on Truck Cab Strength – UNECE R29

Meeting of 11 September 2008

OICA offices, 4 rue de Berri, 75008 Paris

10:00 – 17:00

DRAFT AGENDA

1. Welcome and roll call of delegates

2. Review of list of available working documents

- 1) Proposals to amend UNECE R29:
  - a) TRANS/WP29/GRSP/2007/2 (OICA)
  - b) ECE/TRANS/WP.29/GRSP/2007/14 (Russian Federation)
  - c) ECE/TRANS/WP.29/GRSP/2007/15 (Sweden)
- 2) Documents from the April 07 Informal meeting (Lyon):
  - a) GRSP-INF-CS/9 - Special meeting of the GRSP Informal Group on UNECE Regulation No. 29 - Cab strength
  - b) GRSP-INF-CS/8 (Czech Republic) - Comments to doc. TRANS/WP.29/GRSP/2007/2
  - c) GRSP-INF-CS/7 (Russian Federation) - Proposed changes to UNECE Regulation No. 29
  - d) GRSP-INF-CS/6 (Russian Federation) - Changes to be made in UNECE Regulation No. 29
  - e) GRSP-INF-CS/5 (JAMA-JARI) - Overview of truck accidents in Japan
  - f) GRSP-INF-CS/4 (OICA) - Truck cab crashworthiness in real world accident
  - g) GRSP-INF-CS/3 (OICA) - Volvo accident statistics
  - h) GRSP-INF-CS/2 (USA) - Heavy truck accidents in the USA

3. Review of most relevant accident scenarios

At the April 07 meeting in Lyon, it was agreed to focus on:

- a) Front to rear impact (vehicle front impacting rear of preceding vehicle)
- b) 90° rollover with sliding and possibly subsequent impact
- c) 180° rollover

On the basis of available accident data, the group should:

- a) Finalize the list of accident configurations to be taken into account
- b) Reach a decision on the opportunity to include a rear wall impact test.

4. Determination of laboratory tests to simulate rear world accident configurations

On the basis of the accident configuration defined under item 3 above, the group will be invited to review and agree available proposals, i.e.:

4.1 Front to rear impact test

See Russian and OICA proposals:

- Full overlap or offset?
- Dimensions of pendulum?
- Attachment of pendulum?
- Energy or speed of impact?
- Requirements after test?
- Other issues?

4.2 90° rollover with/without subsequent impact

See current Swedish test and OICA proposal:

- Configuration of impact (angles, direction, etc)?
- Impact energy or speed?
- Type of impact: pendulum and/or sled test?
- Other issues?

4.3 180° rollover

See Russian and OICA proposals:

- Need for dynamic pre-load to deform cab?
- Review available experience (USA)?
- Other issues?

4.4 Rear wall test

- Depending on result of item 3 above, evaluate Russian proposal?

4.5 Any other proposals

5. Determination of vehicle categories affected

The group will be invited to evaluate the vehicle categories for which the amendments to UNECE R29 would be valid. The group should also review the possible actions for non-affected vehicle categories.

6. Preparation of input for December 08 GRSP session

7. Any other business

8. Date and place of next meeting