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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

World Forum for Harmonization of Vehicle Regulations

Working Party on Brakes and Running Gear

Sixty-second session

Geneva, 25-28 September 2007

Item 3(h) of the provisional agenda

REGULATIONS Nos. 13 AND 13-H (Braking)

Alignment of Regulations Nos. 13 and 13-H

Proposal for draft amendments to Regulation No. 13-H  
(Braking)

Submitted by the expert from the European Association of Automotive Suppliers (CLEPA)

The text reproduced below was prepared by the expert from CLEPA to align the provisions in Regulation No. 13-H with those in Regulation No. 13 regarding the information necessary for the application of an approval according to Regulation No. 90.

A. PROPOSAL

Annex 1

Insert a title, to read (including the insertion of a new footnote \*/):

"COMMUNICATION \*/

\*/ At the request of (an) applicant(s) for Regulation No. 90 approval, the information shall be provided by the Type Approval Authority as contained in Appendix 1 to this annex. However, this information shall not be provided for purposes other than Regulation No. 90 approvals."

Add a new Appendix 1, to read:

"Annex 1 – Appendix 1

LIST OF VEHICLE DATA FOR THE PURPOSE OF REGULATION No. 90 APPROVALS

1. Description of the vehicle type.....
  - 1.1. Trade name or mark of the vehicle, if available.....
  - 1.2. Vehicle category.....
  - 1.3. Vehicle type according to Regulation No. 13-H approval.....
  - 1.4. Models or trade names of vehicles constituting the vehicle type, if available.....  
.....
  - 1.5. Manufacturer's name and address.....
2. Make and type of brake linings.....
  - 2.1. Brake linings tested to all relevant prescriptions of Annex 3 .....
  - 2.2. Brake linings tested to Annex .....
3. Minimum mass of vehicle.....
  - 3.1. Distribution of mass of each axle (maximum value) .....
4. Maximum mass of vehicle.....
  - 4.1. Distribution of mass of each axle (maximum value) .....
5. Maximum vehicle speed.....
6. Tyre and wheel dimensions.....
7. Brake circuit configuration (e.g. front/rear or diagonal split).....
8. Declaration of which is the secondary braking system.....

- 9. Specifications of brake valves (if applicable) .....
- 9.1. Adjustment specifications of the load sensing valve .....
- 9.2. Setting of pressure valve .....
- 10. Designed brake force distribution .....
- 11. Specification of brake .....
- 11.1. Disc brake type (e.g. number of pistons with diameter(s), ventilated or solid disc)  
.....
- 11.2. Drum brake type (e.g. duo servo, with piston size and drum dimensions).....  
.....
- 11.3. In case of compressed air brake systems, e.g. type and size of chambers, levers, etc.  
.....
- 12. Master cylinder type and size.....
- 13. Booster type and size ..... "

#### B. JUSTIFICATION

Some information is necessary in order to apply for Regulation No. 90 on replacement brake linings. This information is available in Appendix 1 to Annex 2 to Regulation No. 13, but does not exist in Regulation No. 13-H. This proposal aims at aligning the provisions in Regulation No. 13-H with those in Regulation No. 13.

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