

## **Draft Terms of Reference for the GRRF informal group on Automated Connections between Vehicles (ACV)**

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### **1. Introduction**

- a) GRRF agreed to set up a group of interested experts to establish alternative requirements for brake related signals between towing and towed vehicle.
- b) Regulation No. 13 establishes that braking related signals from towing to towed vehicles should use the standardized connector ISO 7638. This is not possible when an automated coupling system (ACS) is used.

### **2. Objectives**

- a) To consider in detail, the task of producing an amending text of Regulation No. 13, as concerns braking related signals between towing and towed vehicle, taking account of the existing and emergent new technologies in the context of automatic coupling systems (ACS), modular vehicle combinations (road trains) and totally integrated vehicle combination control systems.
- b) To follow the guidelines set out in Trans/WP29/1044e
- c) To produce the Regulation requirements which draw on existing texts in the braking field but, within sensible limits, lean toward the acceptance of the more stringent standards. This is to be done consistent while remaining practical and workable by differing organisations in various countries. Every attempt is to be made to ensure that the completed text will be understandable to users who are not seasoned experts in the development of Braking Regulations.
- d) To cover vehicles of category N<sub>1</sub>, N<sub>2</sub>, N<sub>3</sub>, O<sub>3</sub> and O<sub>4</sub>.
- e) To consider in a first step alternative requirements for vehicles of categories N<sub>1</sub>, N<sub>2</sub>, N<sub>3</sub>, O<sub>3</sub> and O<sub>4</sub> regarding ACS. In a second step, the group may consider also alternative requirements for modular vehicle combinations and totally integrated vehicle combination control systems.
- f) To produce an amendment to Regulation No. 55 with a proposal for a new definition of the ACS coupling.

### **3. Rules of procedure**

The informal working group is a sub group of GRRF, and is open to all participants of GRRF.

A Chairman and a Secretary will manage the informal working group.

The official language of the informal working group will be English.

An agenda and related documents will be circulated to all members of the informal working group in advance of all scheduled meetings.

Decisions will be reached by consensus. When consensus cannot be reached, the Chairman shall present the different points of view to GRRF. The Chairman may seek guidance from GRRF as appropriate.

The progress of the informal group will be routinely reported to GRRF – wherever possible as an informal document and presented by the Chairman or his representative.

All working documents will be distributed in digital format. Meeting documents will be made available to the UNECE secretariat for publication on the website of WP.29.

#### **4. Work plan and time schedule**

The informal group aims at submitting its proposal to GRRF as an informal document for its September 2012 meeting and its final proposal as a formal document to GRRF for its February 2013 meeting.

The group plans on having 5 meetings to meet its objectives.