Submitted by the expert from
The United Kingdom and Northern Ireland

Informal document **GRRF-84-09**
84th GRRF, 19-22 September 2017
Agenda item 9

Proposal for an amendment to Regulation No. 79.

I. Proposal

Insert a new paragraph 2.4.18., to read:

"**2.4.18.** "***Remote Control Manoeuvring (RCM)***" **means an ACSF of Category A, actuated by the driver, providing low speed manoeuvring for off-road use. The actuation is made by remote control in close proximity to the vehicle.**"

Insert a new paragraph 5.1.6.3., to read:
(and renumber former paragraph 5.6.1.3. as 5.6.1.4.)

"**5.6.1.3.** **Category G (off-road) vehicles may be equipped with a Remote Control Manoeuvring (RCM) function provided it is restricted by technical means to operate only in an off-road environment.**

The RCM system shall be so designed that its activation can only be achieved when the vehicle is off-road. The system shall be capable of confirming that the vehicle is off-road at any time of activation and this shall be achieved by at least two independent means. If navigation maps are used for this purpose, the RCM function shall be disabled if the map data have not been updated in the previous 12 months.

The requirements of paragraphs 5.6.1.2.2. to 5.6.1.2.8. regarding Remote Control Parking (RCP) shall apply equally to an RCM function.

The vehicle shall detect if, while the RCM function is active, the vehicle leaves an off-road environment. In such a case the vehicle shall stop immediately and the RCM function shall be de-activated."

II. Justification

1. Category G vehicles (defined in the Consolidated Resolution on the Construction of Vehicles (R.E.3)) have specific characteristics that enable them to achieve traction on, and to traverse over, off-road terrain that would defeat and/or damage conventional road vehicles. The operation of vehicles under these conditions requires the driver to have a particular skill level beyond that of the conventional vehicle user. However, in some cases, and despite those skills, situations present themselves for which it would be safer for the driver to be able to manoeuvre the vehicle from outside.

2. This proposal seeks to permit remote manoeuvring capability provided that the vehicle is designed to operate in this environment and the off-road location is confirmed throughout the whole period that the function is in use. The use of the function in any other environment must be suppressed by technical means that cannot be overridden by the vehicle user. The proposal is deliberately non-prescriptive about how the off-road environment is identified but if map data are used then an up to date map is required to ensure that the function does not become available on newly constructed roads, i.e. roads built on land formerly identified as off-road by mapping data.