

Proposal for an Informal Working Group on Functional Requirements for Automated and Autonomous Vehicles (FRAV) (new group)

A) Introduction

ECE/TRANS/WP29/2019/34 contains the strategic vision for the activities of WP29, GRVA and its informal working groups with respect to automated vehicles. This framework document directs GRVA and its working groups to use the issues, topics and deliverables from that document as guidance to inform further discussions, activities and outcomes.

B) Terms of Reference

1. As noted in document ECE/TRANS/WP29/2019/34, the informal group shall:
 - develop **the exhaustive list of driving functions and generic definitions of those for automated/autonomous vehicles, requirements to those functions, including, but not limited to, in particular:** longitudinal control (acceleration, braking and road speed), lateral control (lane discipline), environment monitoring (headway, side, rear), minimum risk manoeuvre, transition demand, HMI (internal and external) and driver monitoring. This work item should also cover the requirements for Functional Safety.
 - in line with the following principles/elements a. System safety, b. Failsafe Response, c. HMI / Operator information d. OEDR (Functional Requirements)
2. The group shall take full account of developments in other subsidiary Working Parties of WP.29, and of existing data and research, in developing its proposals. It should consider pre-existing standards, guidelines and Regulations from other territories for developing its proposals.
3. The IWG shall deliver in accordance with deliverables in framework document ECE/TRANS/WP29/2019/34. The IWG may choose to work in phases on the different work items (e.g. highway traffic, urban traffic, interurban traffic).
4. Text shall, to the fullest extent possible, be performance based and technology neutral and be prepared in a neutral form such that it can be adapted for use under the 1958, 1997 and 1998 Agreements.
5. A final decision on regulatory proposals rests with WP.29 and the Contracting Parties.

C) Rules of Procedure

1. The informal working groups shall report to GRVA and are open to all participants of WP.29.
 - a. [Two co-Chairs] and a Secretary will manage each informal group.
 - b. Experts may be invited upon invitation by the [co-chairs] to ensure engagement of the best available experts.
 - c. The working language of the informal groups will be English.
 - d. The output of the informal working groups shall be delivered such that it is suitable for adoption under the 1958, the 1997 and the 1998 Agreements. This may be in the form of a single text or in Agreement specific versions.
 - e. All documents and/or proposals must be submitted to the Secretary of the relevant group in a suitable electronic format in advance of the meeting. The group may refuse to discuss any item or proposal which has not been circulated five working days in advance to the meeting.
 - f. An agenda and related documents will be circulated to all members of the informal working group in advance of all scheduled meetings.
 - g. Decisions will be reached by consensus. When consensus cannot be reached, the co-Chairs of the groups shall present the different points of view to GRVA. The Co-Chairs may seek guidance from GRVA as appropriate.
 - h. The progress of the informal working groups will be routinely reported routinely to GRVA – wherever possible as an informal document and presented by the Co-Chairs or their representatives.
 - i. All documents shall be distributed in digital format. Meeting documents should be made available to the Secretary for publication on the dedicated website.
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