

Draft Terms of Reference for the Informal Working Group on Field of Vision Assistants (IWG-FVA)

A) INTRODUCTION

During the 117th session of GRSG in October 2019, the expert from OICA introduced GRSG-117-27 on a Field of Vision Assistant (FVA) including augmented reality. GRSG experts engaged in active discussion highlighting both pros and cons of such technology. Recognising the need for regulatory action, GRSG agreed to keep this item on the agenda and invited the expert from OICA to come up with a related proposal for the next session of GRSG.

During the 118th session of GRSG in July 2020, the expert of OICA introduced document ECE/TRANS/WP.29/GRSG/2020/12, a proposal for the 02 series of amendments of UN Regulation No. 125. Following a detailed discussion by GRSG experts, the Chair of GRSG recommended that further discussions are held between interested stakeholders to advance the proposal contained in document ECE/TRANS/WP.29/GRSG/2020/12 and invited delegates to provide comments to the proposal. To support this further work, a dedicated Task Force would be established. GRSG agreed to keep the document on the agenda for the October 2020 session.

The Netherlands provided the Chair of the Task Force, OICA the Secretary. The intention was to develop a new series of amendments to UN Regulation 125 covering new definitions and a test procedure for a Field of Vision Assistant while amending the corresponding paragraphs in the current text of UN Regulation 125 and adding some procedure-specific paragraphs where needed.

The members of the group agreed to find a solution to guarantee the safety of such systems already entering the market.

The Task Force on Field of Vision Assistant met during:

- 8 September 2020 (Teams)
- 21 October 2020 (Teams)
- 13 November 2020 (Teams)
- 18 December 2020 (Teams)
- 9 February 2021 (Teams)
- 12 March 2021 (Teams)

Representatives from Contracting Parties but also from stakeholders participated in the discussions, among others e.g. the Netherlands, Germany, European Commission, Japan, Spain, France, OICA and CLEPA.

Working Document ECE/TRANS/WP.29/GRSG/2021/12 amended and updated by GRSG-121-XX was prepared by the Task Force and submitted to GRSG to be discussed during the 121st session.

However, during the discussion within the TF-FVA, participants felt the need to further develop more detailed requirements taking into account the current state of play of these systems.

Besides, the scope of the current UN Regulation 125 is limited to M1 and N1 category of vehicles whereas it was noted that the same requirements on FVA should also apply to categories of vehicles N2/N3 and M2/M3. ~~IWG on FVA may and even might~~, at a later stage, evaluate the possible application ~~in part be applicable to L category of vehicles and helmets used on those vehicles~~. This creates the need to split the existing Regulation into 2 separate UN Regulations: one for physical obstructions like the A-pillars, and one for interference in the field of vision reducing perception of light transmittance.

The Netherlands supported by the Task Force therefore request GRSG as well as WP.29 and AC.2 to transform the TF-FVA into an Informal Working Group on Field of Vision Assistants (IWG-FVA).

B) OBJECTIVE OF THE PROPOSAL

The task of this Informal Working Group (IWG) is:

- To further review the impact of Forward Field of Vision Assistants to the driver.
- To investigate the possibilities to objectify and update the provisions for the type-approval process.
- To develop a proposal for GRSG on a new Regulation and/or alternatively a further amendment of the existing UN Regulation 125.
- The IWG shall consider during its work existing standardisation, existing or ongoing research activities on FVA Systems.

C) OPERATING PRINCIPLES

1. The Informal Working Group on Field of Vision Assistants (IWG-FVA) is a sub-group of GRSG and is open to all participants of GRSG including Contracting Parties and Non-Governmental Organisations to the 1958 and 1998 Agreements.
2. The IWG-FVA will be sponsored by the Netherlands. A Chair (the Netherlands) and a Secretary (OICA) will manage the informal working group.
3. The official language of the informal working group will be English.
4. All documents must be submitted to the Secretary of the group in a suitable electronic format and will be posted on the website of the IWG-FVA prior to the meetings. The group may postpone discussion of any item or proposal, which was not provided five (5) working days in advance of the scheduled meeting.
5. The Secretary of the group will aim at distributing the meeting minutes to the IWG members within fifteen (15) working days after the meeting of the group.
6. ~~The Chair of the group or his representative will report back to GRSG on the progress of work on a regular basis.~~
7. Decisions and proposals of the group shall be reached by consensus. When consensus cannot be reached, the Chair of the group or his representative shall present the different points of view to GRSG. The Chair may seek guidance from GRSG as appropriate.

8. Sessions shall be held in agreement with the majority of the participants. Sessions may be in person or virtual using web-based technology.
9. A provisional agenda shall be provided by the Secretary in advance to each meeting and will be finalized in accordance with the participants of the IWG-FVA. The first item upon the provisional agenda for each session shall be the adoption of the agenda and roll call.
10. The second item on the provisional agenda will be the discussion, matters arising and adoption of the minutes of the previous session.

D) WORK PLAN AND TIME SCHEDULE

April 2021	Finalization of proposal for ToR during the 121 st session of GRSG
June 2021	Ask for mandate to start IWG in WP.29 and AC.2
December 2022	Finish the work of the IWG-FVA
April 2023	Submit proposal for a new Regulation (and/or an amendment of the existing UN Regulation 125) to GRSG.