

IWG on FVA Status Report

March 2022

Status Update IWG-FVA

1. Workshop + hybrid meeting took place on November 9th 2021 in the Netherlands
Manufacturers brought 3 vehicles with FVA systems, available for test drives on public roads
2. 2 more meetings: 18 January and 8 March 2022
3. 3 expert groups have been defined:
 - Technical Requirements
 - Administrative Provisions
 - Literature Study
4. All information available on the UN-ECE webpage:
<https://wiki.unece.org/display/trans/FVA+Informal+Working+Group+Meetings>

Status Update IWG-FVA (Cont.)

5. Current state of play (phase 1, covered by TF-FVA):
 - 02 series of amendments to UN R125: based upon ECE/TRANS/WP.29/2021/100; date of entry into force [22.06.2022]
 - suppl. 1 to 02 series of amendments: based upon ECE/TRANS/WP.29/2022/24: adopted during the March 2022 session of WP.29; date of entry into force to be confirmed

6. Next phase 2:
 - draft new Regulation on FVA for vehicle categories M1/M2/M3, N1/N2/N3
 - update of UN R125, split off FVA section

Status Update IWG-FVA (Cont.)

7. Future phase 3:

- to include vehicle category L and possibly update UN R22 (helmets)

8. Order of things:

- looking into literature and information available through automotive conferences e.g.:

<https://www.automotive-iq.com/events-intelligent-lighting-displays>

(17-19 May 2022 in Munich, Germany)

<https://www.car-hmi.com/> (June 20-21 in Berlin, Germany)

- working on technical requirements
- working on administrative provisions

Status Update IWG-FVA (Cont.)

9. Items currently under discussion:

- different requirements for FVA when the driver is driving (i.e. performing the driving task, incl. e.g. standing still in front of traffic light) versus the situation when the vehicle is parked and the situation that the vehicle is in autonomous driving mode

- FVA to display mandatory information as the only location versus optional or mirrored information only

At this stage it was decided that requirements are based upon display of optional or mirrored information only. In future there may be a need to consider mandatory information as well, which will affect minimum requirements on visibility under all foreseeable weather conditions, backgrounds etc. as well as the current requirement that it must be possible to switch off the FVA

Status Update IWG-FVA (Cont.)

9. Items currently under discussion (cont.):

- visibility from outside (not allowed through UN R48)
- interaction with other UN Regulations, e.g. UN R10, R43, R48, R121, R151
- importance that the driver can recognize obstacles and VRU's behind the image and is not hindered by the images. This is laid down in the JAMA guideline which will be discussed and evaluated.

Thank you for your attention !