

# **IWG on FVA Status Report**

**October 2022**

## Status Update IWG-FVA

1. Workshop + hybrid meeting took place on November 9<sup>th</sup> 2021 in the Netherlands  
Manufacturers brought 3 vehicles with FVA systems, available for test drives on public roads
2. 4 more meetings: 18 January, 8 March, 28 June and 21 September 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 (<https://unece.org/sites/default/files/2022-09/R125r2am3e.pdf>)
- suppl. 1 to 02 series of amendments: based upon [ECE/TRANS/WP.29/2022/24](https://unece.org/sites/default/files/2022-09/ECETRANSWP29202224.pdf): adopted during the March 2022 session of WP.29; date of entry into force 08.10.2022

### 6. Next phase 2:

- new amendments to UN R125.02 to keep up with technical progress
- 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 and presentations
- working on technical requirements
- working on administrative provisions

## Status Update IWG-FVA (Cont.)

### 9. Keeping up with technical progress:

- proposal to update UN R125.02:

[GRSG/2022/27](#) as amended by informal document: GRSG-124-XX.

- switching off relaxation provision in case of backing event according to UN R158

- update of Annex 5 with more examples

- introduction of new paragraph to explain FVA to be used for optional or mirrored information only

## Status Update IWG-FVA (Cont.)

### 10. Items currently under discussion where consensus is reached:

- **brightness:** provision not needed (not primary source).  
JAMA guideline exists.
- **obstruction:** JAMA guideline to be used as the starting point
- **distraction:** has to be covered by the safety concept
- **readability, optical quality, latency, eyebox size:** as FVA is not primary source of information, no need to define provisions at this stage
- **visibility from outside:** no issue with current systems.  
If it becomes an issue in the future, it will have to be addressed

## Status Update IWG-FVA (Cont.)

GRSG-124-XX

### 10. Items currently under discussion where consensus is reached (cont.):

#### **HMI:**

- symbols used: UN R121 alt. ISO 2575; mirrored from cluster
- colour codes: follow UN R121
- information not covered by UN R121 or ISO 2575:  
follow the logic provided for in UN R121

## Status Update IWG-FVA (Cont.)

### 11. Items to be further discussed in the TWG:

- virtual image distance and eye point
- definition of FVA area for heavy duty vehicles
- provisions for standstill and during parking while engine running (trucks)
- interaction with other Regulations: R10, 46, 48, 121, 151, ...



**Thank you for your attention !**