

**Submitted by the Chairs of the
Task Force on Automated Vehicle
Categorisation (TF-AVC)**

**Informal document GRSG-128- 39-Rev.1
Informal 128th GRSG, 07 to 11 October 2024
Provisional agenda item XX**

TASK FORCE ON AUTOMATED VEHICLE CATEGORISATION (TF-AVC)

GRSG STATUS REPORT & INFORMAL DOCUMENT



TF-AVC progress

- Established by 191st WP.29 (Nov 2023)
- Meeting 1: Jan 2024 (online)
- Meeting 2: Feb 2024 (online)
- Meeting 3: March 2024 (hybrid)
 - GRSG status report 1 presentation
- Meeting 4: April 2024 (online)
- Meeting 5: May 2024 (online)
 - GRVA status report 1 presentation
- Meeting 6: June 2024 (hybrid)
 - WP.29 status report 1 presentation
- Meeting 7: July 2024 (online)
- Meeting 8: September 2024 (online)
- **Meeting 9: October 2024 (hybrid)**
 - **GRSG status report & informal document presentation**

All relevant documents can be found on the TF-AVC UNECE [Wikipedia](#).



TF-AVC future look

- Monthly meetings continue, planned until July 2025
- Next meeting: hybrid in Shanghai, China (7th & 8th November 2024)
 - Status report presentation to 194th session of WP.29 in November 2024
 - Informal document to 21st session of GRVA in January 2025



R.E.3 – Category X

- Categories, previously Category A, text remains unchanged
- New section, aligned with text and format of R.E.3:

2.9. Category X

2.9.1. Definition.

Category X vehicles are vehicles of categories M, N, L and T meeting all of the following conditions:

- (a) They are equipped with an ADS**
- (b) They are not capable of being driven manually at speeds exceeding 6 km/h**
- (c) They are designed to carry occupants**



R.E.3 – Category Y

- Categories, previously Category B
- New section, aligned with text and format of R.E.3:

2.10. Category Y

2.10.1. Definition.

Category Y vehicles are vehicles of categories N, L and T meeting all of the following conditions:

- (a) They are equipped with an ADS**
- (b) They are not capable of being driven manually at speeds exceeding [6] km/h.**
- (c) They are not designed to carry occupants at any time**



R.E.3 – Combined designation

- New section, aligned with text and format of R.E.3:

2.11. Combined designations

Symbols M, N, L and T may be combined with symbols G, X and Y, as applicable. For example, a vehicle of category N₂ which meets the criteria of 2.10.1 may be designated as N₂Y; a vehicle of category M₁ which meets the criteria of 2.9.1 and is suited for off road use may be designated as M₁GX.



R.E.3 – New Definitions

- ADS and DDT definitions taken from FRAV/VMAD IWG
- Definitions in [] are still to be discussed

1.16. "*Automated Driving System (ADS)*" means the vehicle hardware and software that are collectively capable of performing the entire Dynamic Driving Task (DDT) on a sustained basis.

1.17. "*Dynamic Driving Task (DDT)*" means the real-time operational and tactical functions required to operate the vehicle.

1.18. "*Driver*" means [...]

1.19. "*Fallback user*" means [...]

1.20. "*Passenger*" means [...]

1.21. "*Occupant*" means [...]

R.E.3 – Definition amendments

- Minimal amendments required
- References to ‘passengers’ replaced with ‘occupants’
- Change references to the number of seating positions and passengers
- Remove references to 'the driver'

2.2. Category M - Power-driven vehicles having at least four wheels and used for the carriage of ~~passengers~~ **occupants**

2.2.1. "*Category M₁*": Vehicles used for the carriage of ~~passengers~~ **occupants** and comprising not more than ~~eight seats in addition to the driver's seat~~ **nine seats**.

2.2.2. "*Category M₂*": Vehicles used for the carriage of ~~passengers~~ **occupants**, comprising more than ~~eight seats in addition to the driver's seat~~ **nine seats**, and having a maximum mass not exceeding 5,000 kg.

2.2.3. "*Category M₃*": Vehicles used for the carriage of ~~passengers~~ **occupants**, comprising more than ~~eight seats in addition to the driver's seat~~ **nine seats**, and having a maximum mass exceeding 5,000 kg.

R.E.3 – Mass of a vehicle in running order

- Category X vehicles may have a driver in the vehicle (limited circumstances, at speeds not exceeding 6 km/h)
- Text is still to be discussed
- "*Mass of a vehicle in running order*" means the mass of an unladen vehicle with bodywork, and with coupling device in the case of a towing vehicle, or the mass of the chassis with cab if the manufacturer does not fit the bodywork and/or coupling device, including coolant, oils, 90 per cent of fuel, 100 per cent of other liquids except used waters, tools, spare wheel, driver (75 kg) **[if applicable]**, and, for buses and coaches, the mass of the crew member (75 kg) if there is a crew seat in the vehicle.



S.R.1 – Definition Amendments

- Minimal amendments required
- Change references to the number of seating positions and passengers
- Remove references to 'the driver'

1. POWER DRIVEN VEHICLES WITH FOUR OR MORE WHEELS

1.1. "Category 1 vehicle" means a power driven vehicle with four or more wheels designed and constructed primarily for the carriage of (a) person(s).

1.1.1. "Category 1-1 vehicle" means a category 1 vehicle comprising not more than ~~eight-nine~~ seating positions ~~in-addition-to the-driver's-seating-position~~. A category 1-1 vehicle cannot have standing passengers.

1.1.2. "Category 1-2 vehicle" means a category 1 vehicle designed for the carriage of more than ~~eight-nine~~ passengers, whether seated or standing, ~~in-addition-to-the-driver~~.



S.R.1 – Category X and Y

- New section, aligned with text and format of S.R.1:

4. [CATEGORY X AND Y] VEHICLES

4.1. “Category X vehicle” means a vehicle of category 1, 2 or 3 which:

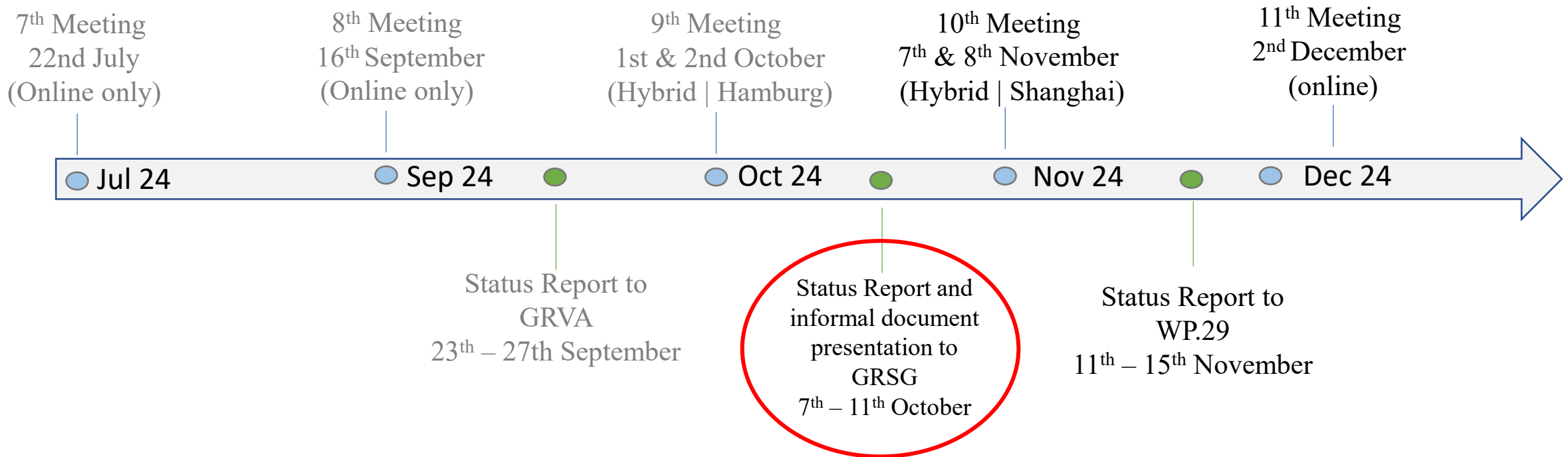
- i) is equipped with an ADS and
- ii) is not capable of being driven manually at speeds exceeding 6 km/h and
- iii) is designed to carry (a) person(s)

4.2. “Category Y vehicle” means a vehicle of category 2 or 3 which:

- i) is equipped with an ADS and
- ii) is not capable of being driven manually at speeds exceeding 6 km/h and
- iii) is not designed to carry (a) person(s) at any time

Thank you, any questions?

Confirmed Meeting Schedule / Deliverables: Nov - Dec 2024



Timeline planning

(below is a tentative timeline; the schedule of meetings, and adoption of working documents, is the prerogative of WP.29 and its subsidiary Working Parties

– Text and table modified from informal document WP.29-192-17 with permission

X: Informal document

X: Formal document

	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
GRSG				X						X						X						X		
GRVA	X				X				X				X				X					X		
WP 29				192		193					194		195		196			197						