

Proposal for supplement 6 to the 03 series of amendments to UN Regulation No. 29 (Cabs of a commercial vehicles)

The text reproduced below was prepared by the expert from Germany on behalf of the TF GRSP AVRS, to enable the application of the regulation to vehicles equipped with an ADS [feature type 2]. The modifications to the existing text of the UN Regulation are marked in bold for new or strikethrough for deleted characters.

I. Proposal

Insert a new paragraph 0.1. to **0.4.**, to read:

- “0.1. This Regulation is amended to enable the type approval of vehicles of category NX.**
- 0.2. Cabs for vehicles of category NX mounted in other positions than the vehicle front shall not be taken into account for the frontal collision simulation (test A).”**

Insert a new paragraph 0., to read:

- “0. Introduction**
- 0.1. For supplement 6 to the 03 series of amendments:**
 - 0.1.1. The Regulation is amended to account for vehicles of category X. Vehicles of category Y are not in the scope of this Regulation.**
 - 0.1.2. The Regulation was originally drafted for vehicles with driver and manual driving controls in a cab mounted at the front of the vehicle. It is the intention of this new amendment to keep the spirit of the regulation and to extend its application to vehicles without driver and manual driving controls inside the cab. In the absence of driver/manual driving controls inside the cab, provisions related to them shall not be taken into account if not already covered by this amendment.**
 - 0.1.3. Cabs for vehicles of category X mounted in other positions than the vehicle front shall not be taken into account for the frontal collision simulation (test A).**
 - 0.1.4. In case of vehicles with an ADS where those vehicles are also equipped with a manual driving mode operating at a speed of more than 6 km/h it is expected that in the manual driving mode the technical requirements can be applied as they would for a conventional vehicle. In a mode where an ADS feature is active the relevant ADS requirements have to be fulfilled.”**

Paragraph 1., amend to read:

- “1. This Regulation applies to:**
Vehicles of category N with regard to the protection of the occupants of the cab.
It does not apply to vehicles of category Y.”

Insert new paragraphs 2.15. to **2.17.**, amend to read:

- “2.15. "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.**
- 2.16. "Dynamic Driving Task (DDT)" means the real-time operational and tactical functions required to operate the vehicle.”**

Paragraph 5.1.4., amend to read:

“5.1.4. Test A (frontal impact) shall only be conducted on Cab-over-Engine vehicles
and for vehicles of category X having the cab in the front of the vehicle.”

Annex 1, Part 1, paragraph 2.7., amend to read:

“2.7. ~~Driving~~-Cab (cab-over-engine or bonnet **or in case of vehicles of category X
the position of the cab**)²”

Annex 3, paragraph 3., amend to read:

“3. **If fitted,** ~~the~~ cab shall be equipped with the steering mechanism, steering wheel, instrument-panel and the driver and passenger seats. The steering wheel and the seating position shall be adjusted to their positions for normal use as prescribed by the manufacturer.”

Annex 3, insert a new paragraph 5.3.4., to read:

“5.3.4. **If fitted,** ~~the~~ cab shall be equipped with the steering mechanism, steering wheel, instrument-panel and the driver and passenger seats. The steering wheel and the seating position shall be adjusted to their positions for normal use as prescribed by the manufacturer.”

II. Justification

See paragraph 0. in the proposal.
