

Status report of the UNECE GRSG Task Force on UN-R46

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UNECE GRSG, 15th of April, 2024

During the 126th session of UNECE GRSG (General Safety) in October 2023, **Germany tabled on the behalf of the Task Force on UN-R46 two proposals** to modify UN R 46. GRSG adopted both proposals. Wp.29 in March 2024 voted for the proposals as Supplement 1 to the 05 series and a new 06 series of Amendments. GRSG decided that the **Task Force “UN-R46”** should proceed to discuss still open topics under discussion in further sessions of the TF.

TF UN-R46 had its 3rd meeting on 28th and 29th of February in Cologne. During this meeting the following points has been discussed without agreement on a draft proposal:

- **Positioning of the Monitor for a pure Class I device**
A small drafting group shall prepare a proposal to prohibit specific areas for pure Class I devices in the interior for the next session of the TF.
- **Requirements on Surveillance Cameras in UN Regulation No. 46**
The idea to move the provisions for surveillance cameras to UN Regulation No. 26 and No. 61 doesn't contain M2 and M3 vehicles. It was proposed to either move the requirements for the M2/M3 vehicles to UN R107 or the provisions shall stay in UN R46 for alle vehicle categories. As a consequence, the **draft Proposals to modify UN Regulation No. 26 (ECE/TRANS/WP.29/GRSG/2023/22) and No. 61 (ECE/TRANS/WP.29/GRSG/2023/22) can be withdrawn.** A small drafting group shall prepare a proposal to facilitate the discussion at the next session of the TF.

- **Clarification of the Definition of "Type of device for indirect vision" and Type-Marking Especially for CMS on Wings**
The aim was to enable to approve devices for more than one class in one single approval, if the device for indirect vision fulfils the requirements for the different classes at the same time. The Task Force concluded to prepare a proposal having one approval number and additional symbols for all classes involved as approval mark (e.g., V+VI).

- **Surveillance Monitor in a Position of a Class I Device**
The question was raised during a TAAM meeting, if the placement of a surveillance camera monitor in the position of a Class I device should be allowed. No proposal was found. A small drafting group shall prepare a proposal to facilitate the discussion at the next session of the TF.

- **Obstruction of the field of view of Class III mirrors**
Current provisions in paragraphs 15.2.4.9.2. (10%) and 15.2.4.3.1 are not stating where to evaluate the obstruction (e.g., 20m / horizon). The TF could agree on a principle to solve the issue. A text to amend the regulation still has to be elaborated to be discussed during the next session of the TF.

- **Magnification Measurement: Tolerance and Rounding**

A proposal for clarifying the rounding of magnification factors was discussed and agreed on.

- Magnification limit with two digits after the decimal point:
round the measured value to the nearest hundredth
- Magnification limit with three digits after the decimal point:
round the measured value to the nearest thousandth

Examples:

0,255 -> 0,26

0,0154 -> 0,015“

Proposal will be part of the next draft proposal of the TF

- **Definitions in UN Regulation No. 158, No. 151 and No. 159**

Other UN Regulations possibly need amendments according to the amendments to UN Regulation No. 46. No detailed discussion took place. Postponed to next session of the TF

- **Drawing for clarification of the new definition on external original surface**
A presentation was introduced to the TF raising some questions regarding the new introduced definition of external original surface. No solution could be found. Discussion postponed to next session of the TF

- **Pendulum Test Conditions and Impact Point**
Para. 6.3.2.2.5. is dealing with the displacement of the impact point. The displacement shall not be greater than strictly necessary. Question is, in which direction the displacement shall be made either according to the middle point or the axis of rotation.
The TF could not finally agree on a text. The item has to be rediscussed during next session of the TF.

- **Radius of curvature requirement on the backside of Class I mirrors**
In UN R46 it is not clearly defined if the backside of a Class I mirror would also need to comply with the requirements on the radii of curvature. Item could not be solved during the meeting and will be on the agenda of the next TF meeting.

During the 3rd meeting the TF could agree on a solution for the following two points:

- **CMS and ADR vehicles**
The TF considered a proposal submitted by the expert from Germany to start discussion on the approval of vehicles with battery master switches (EX/III and FL vehicles) in the framework of UN Regulation No. 105, that are fitted with a camera monitor system in compliance with the requirements of UN Regulation No. 46 (ECE/TRANS/WP.29/GRSG/2024/13).

- **Clarification on para. 16.1.1.**
Paragraph 16.1.1. is misleading as the provisions stated shall only apply to Class II and III devices. It was then proposed to move the whole provisions to a new paragraph 16.1.1.4. in sake of clarification

The proposal agreed by the Task Force to solve **both issues is contained in Informal Document GRSG-127-4.**

Next steps are, to organize and held the 4th meeting of the TF in the next weeks after GRSG 127 to be able to prepare an official working document before the deadline for **official documents for the 128. Session of GRSG.**

Thank you for your attention