

Informal document GRSP-68-15
(68th GRSP, 07-11 December 2020

agenda item 8)

22.06 REGULATION

GRSP MEETING

DECEMBER, 2020



PRESENTATION

Communication accessories industry proposal for R-22.06 amendment

TWO STAGE PROPOSAL

Stage 1

- ✓ Amendment text within the formal document: ECE-TRANS-WP.29-GRSP-2020-19e.
This will allow the industry to overcome the problem raised during the last 67th GRSP.

Stage 2 (Elaborated in this document)

- ✓ Agree on a development of a type-approval standard for helmet comms within the R-22.06.
- ✓ Collaborate with the IWG in developing a type-approval proposal.
- ✓ Considered as a trusted partner in the definition and decision-making process.

STAGE 1: SUGGESTED TEXT AMENDMENT

I. Proposal

Insert new paragraph 2.25., to read:

"2.25. "Kind of accessories" means accessories offering the same functionality to the helmet while keeping the safety performances of the helmet."

Paragraph 7.3.1.5., amend to read:

"7.3.1.3.5. Helmets placed on the market with accessories shall be examined to assess that the supplementary equipment has no adverse effect and that in any case the protective helmet and/or visor still complies with all the requirements.

Note: The evaluation shall be done with and without the accessory and their support with particular attention, as example, to energy absorption, sharp edges and field of vision.

No helmet shall be modified from its original specification as manufactured. Accessories must be fitted in accordance with the helmet manufacturer's instructions. ~~Only accessories tested during the type approval procedure of the helmet keep the type approval valid.~~ **Only the kind of accessories tested during the type approval procedure of the helmet keep the type approval valid."**

STAGE 2: INDUSTRY PROPOSAL

- Work with the IWG on defining an agreed test procedure for approving communication accessories.
- Approval of the communication accessories independently and separately from the helmet test procedure.

COMMS ACCESSORIES – CERTIFICATION PROPOSAL

Initial ideas for eligibility for an independent certification:

- All components and accessories of a communication system must be positioned in areas outside of impact areas except the speakers and microphone
- All components of the communication systems to be located in the impacted areas must meet a number of conditions as set forth

To be defined with the IWG

INDUSTRY PROPOSAL

Suggested examples for communication accessories requirements

- Approval mark on the product
- Sharp edges
- Use of friendly materials
- Maximum dimensions
- Maximum weight (if deemed necessary)
- Shear test on accessory (if deemed necessary)
- Tests on speakers and microphone (depending on helmets requirements)
- Conformity of Production (COP) requirements

To be defined with the IWG

INDUSTRY PROPOSAL

Suggested Helmets requirements

- Reference marking to install communication accessories
- Tested with speakers and microphone simulators
- Minimum required space for communication accessories fitting
- Instructions in user manual referring to communication accessories installation



THANK YOU