

Virtual Testing

AEBS – UN R152

- Three workshops have been conducted since GRVA-17 session to develop a new proposal for an Annex 4 of UN R152 allowing the usage of virtual testing for type approval
- Contribution of experts from both OICA and CLEPA to all three workshops
- With regard to paragraph 6.7.3 currently in **[]** OICA and CLEPA propose to delete this paragraph

[6.7.3. In addition to the simulation results, simulated test runs [shall / may] be conducted as physical tests as well on the request of the type approval authority and technical service.]

Rationale:

- Procedures defined in pillar 1 “Validation of the virtual test procedure by comparison with physical results” of the proposed Annex 4 ensure that the procedure, tools and models used for virtual testing adequately represent the behavior of the vehicle wrt. to its AEBS function
- Opting for allowing physical tests according to 6.7.3 would render the whole approach of Annex 4 meaningless, as in effect the benefits of virtual testing would be outweighed by the fact that the same tests used for pillar 1 would have to be performed on the test track a second time