

## Proposal for amendments to ECE/TRANS/WP.29/GRVA/2020/4

### I. Proposal

*Insert new paragraph 5.1.1., to read:*

"5.1.1. The Approval Authority or the Technical Service shall verify by testing a vehicle of the vehicle type that the vehicle manufacturer has implemented the measures they have documented. Tests shall be performed by Approval Authority or the Technical Service itself or in collaboration with the vehicle manufacturer by sampling."

*Paragraph 7.1.1.7., amend to read:*

"7.1.1.7. A process to **confirm the compatibility of a software update with the target vehicle(s) configuration before it is issued. This shall include an assessment of the last known current software/hardware configuration of the target vehicle(s) for compatibility with the update before it is issued;**"

*Paragraph 7.1.1.12., amend to read:*

"7.1.1.12. A process whereby the vehicle manufacturer shall be able to make the information according to paragraph 7.1.2.3. and 7.1.2.4. available to responsible ~~A~~authorities or ~~the its~~ Technical Services. **This may be for the purpose of type approval, conformity of production, market surveillance, recalls and PTI.**"

*Paragraph 7.1.2.4., amend to read:*

"7.1.2.4. Documentation listing target vehicles for the update and ~~verification~~ **confirmation** of the compatibility of the ~~registered configuration or~~ last known configuration of those vehicles with the update."

*Paragraph 7.2.2.5., amend to read:*

"~~{~~7.2.2.5. ~~Before the software update process starts the vehicle manufacturer shall inspect the vehicle(s) to ensure that the software update can be successfully completed. The vehicle manufacturer shall demonstrate to the satisfaction of the Approval Authority and its Technical Service the measures for managing the situation when the vehicle manufacturer detects that an update should not be initiated.~~

**The vehicle shall ensure that preconditions have to be met before the software update is executed.}**"

*Annex 1, Appendix 1, amend to read:*

"...requirements for the Software Update Management System laid down in paragraph 7.1. of UN Regulation No. [This Regulation] ..."

*Annex 4, amend to read:*

"...Complies with the provisions of UN Regulation No. [this Regulation] ..."

## II. Justification

1. The proposed amendments for the draft UN Regulation on uniform provisions concerning the approval of vehicles with regard to software update processes and of software update management systems (ECE/TRANS/WP.29/GRVA/2020/4) were discussed and agreed within the Task Force (TF) on Cyber Security and Over-the-Air issues (CS/OTA) at its seventeenth session, held at the U.S. Department for Transportation in Washington D.C. from January 21<sup>st</sup>-23<sup>rd</sup>, 2020 in order to improve the existing text and to add clarity for its application.
  2. A new paragraph 5.1.1. was added to clarify that testing shall be performed by an Approval Authority or Technical Service to check if the documented measures for vehicle types being approved are implemented.
  3. Amendments to paragraphs 7.1.1.7. and 7.1.2.4. were introduced to clarify the issue of confirming the compatibility of a software update for the last known configuration of a target vehicle.
  4. In paragraph 7.1.1.12. a sentence was added to give examples for which purposes the documentation/information according to paragraphs 7.1.2.3. and 7.1.2.4. may be used.
  5. Paragraph 7.2.2.5. was simplified and amended to add clarity that preconditions, if any, have to be considered before the execution of an update.
  6. Amendments to Annex1 and Annex for are just corrections for consistency of the reference (UN Regulation No. [...])
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