

Report to WP.29 about results of the 17th meeting of the Informal Working Group on Periodical Technical Inspections

The 17th IWG on PTI meeting was arranged with support of International Motor Vehicle Inspection Committee (CITA), and held on 13 February 2020 in Brussels, Belgium.

1. In-Service compliance

The group continued development of the Framework document on in-service compliance assessment the vehicles including automated/autonomous vehicles and their components.

The document GRVA-05-12 “The 1958 Agreement and lifetime/lifecycle considerations” was reviewed. It concludes that a sufficient legal basis exists to draft and adopt provisions to be inserted in UN Regulations that address the performance of vehicles over their lifetime and/or lifecycle. The conclusion meets the concept of the Framework document presented to WP.29 by the group.

The group supposes the data collected in the processes of CoP and in-service conformity in frame of the 1958 Agreement, market surveillance, PTI/roadside inspections in frame of the 1997 Agreement can be used by the Contracting parties for proper safety management and ensuring the continuous compliance of the vehicle. The international vehicle safety legal acts shall be interconnected to ensure continuous compliance of the vehicle.

Draft new UN Regulation on uniform provisions concerning the approval of vehicles with regard to cyber security and of their cybersecurity management systems envisages scenario of lifetime compliance. The Data Storage System for Automated Driving – DSSAD, where monitoring is made by the manufacturer who must make that information available to the approval authority. Data managed are: the digital identity of the vehicle, whether the vehicle is human- or autonomous-driven and software identification RXSWIN.

It was noted that further considerations for emissions are RDE tests on a random basis to check whether in-use vehicle still meets the requirements. Owners are obliged to cooperate and to be compensated. The group considers likely that this activity ends up on the PTI side.

The group on those matters also considers continuous monitoring of the vehicle performance.

It was agreed to collaborate with the IWG in charge of the DETA database and to invite a representative of the IWG on DETA to explain in more details their activities.

The group agreed on preparing a document about emissions' remote-sensing. The representative of CITA will prepare a draft for further discussions.

It was also indicated that recall campaigns shall be included within PTI. In that regard, the representative of Finland explained that it is managed that way in his country, and the representative of Germany confirmed that in his country that was depending on each case.

It was confirmed that the terms in the field of in-service compliance and operational safety shall be precisely defined.

2. Measures to detect tampering: methods and supervision

It was noted that GRPE had a positive acceptance of the documents presented by the IWG on PTI, but any further work is delayed to post Euro 6/VI activities. The group was informed about the post Euro 6/VI activities of the European Commission. Documents on that regard may be found in the indicated link.

3. Innovative technologies

The group discussed the proposals for draft UN Rule on Accident Emergency Call Systems (AECS). It was proposed to delete the functional check since it could only be checked via a real AECS (Burden for the PSAP- Public safety answering point).

This discussion on this subject will continue in the next meeting.

4. Guidance for road-side technical inspections and enforcement

The group will follow the remarks received from the GRs.

5. Particle number measurement

The representative of The Netherlands presents the works of that country regarding PN measurement for PTI, indicating that all is ready for the start of operations, including the approval of equipment. The main view of the group is that PN measurement should be included in the 1997 with a separate rule. CITA will contact WP.29 to check the best way forward. The representative of Serbia considers that PN measurement for PTI should be assessed by the GRPE. The representative of The Netherlands will contact the chairman of GRPE on that regard.

6. Next meeting

It was noted that the 1997 Agreement is becoming the world benchmark on PTI. The next meeting was preliminary scheduled on May this year.
