

Working plan of the Informal Working Group on Periodical Technical Inspections. Priorities, deliverables and expected timelines

1. Background

According to the Terms of Reference approved at the 175th session of WP.29 the Informal Working Group on Periodical Technical Inspections (IWG on PTI) outlines its plan (including working items to be covered, any steps, deliverables and expected timelines) to be approved by the WP.29.

2. Priorities, deliverables and expected timelines

2.1. In-service compliance

Basic Tasks

- 1) Development of the relevant requirements for the performance of vehicles their systems and components including automated/autonomous driving systems for in service compliance.
- 2) Development of in service compliance vehicle assessment methods.
- 3) Requirements for the data needed for objective verification of the functionality of the safety and environment related systems of the vehicles.

Activity

UN Regulations may consider provisions to enable assessment of the compliance of vehicles in use. The role of roadworthiness inspections, including PTI, is to verify in service vehicle compliance. The IWG on PTI in cooperation with other GRs work out the approach for development of the corresponding requirements for the performance of systems and components and assessment methods which can be prescribed either UN Regulations or the UN Rules.

Manufacturers develop diagnostic and self-monitoring system that continuously monitor functionality of the vehicle and components. The IWG on PTI in cooperation with other GRs deals with the requirements for the systems and a possibility to use the results of diagnostic to

confirm the compliance of vehicle in service. There is as well the task of the verification of the proper function of those systems.

The IWG on PTI work out a concept of future system for verification of compliance of vehicle in service on the basis of ITS technologies.

Deliverables: general framework of in-service compliance assessment the vehicles and their components.

Expected Timeline: June 2020.

2.2. Tampering

2.2.1. Further developments of inspection techniques

Deliverables: first assessment of the suitability of new PN measurement methods for inspections of the vehicles.

Expected Timeline: June 2020.

2.2.2. Precise provisions for emissions systems' tampering

Activity

GRPE is waiting for precise provisions to difficult tampering of emissions systems' tampering. The IWG on PTI follows up and when necessary intervenes in the discussions about anti-tampering provisions for emissions in GRPE.

Expected Timeline: continuous activity.

2.2.3. Tampering of other electronically controlled systems

Activity

Tampering has been identified in emissions systems but is likely to also appear in the cases where it may create benefit for any of the stakeholders, i.e. odometer tampering, saving fixing costs, increasing the value of used vehicles, etc.

The issues with emissions tampering have demonstrated that it's necessary to define requirements for vehicles to ensure that the features of the new vehicles are kept, in a reasonable way, while they are in use.

Deliverables: the assessment of the likeliness of tampering of vehicle's systems and, when appropriate, to propose measures to avoid it.

Expected Timeline: continuous activity.

2.3. Innovative technologies

Activity

Innovative technologies are, in some cases, a challenge for the traditional regulatory framework. Taking into account the general framework defined in 2.1., the IWG on PTI deals in cooperation with the other GRs and their Task forces with approach for definition of in-service compliant requirements and the methods of their verification.

Expected Timeline: continuous activity synchronised with the other GRs calendars.

2.4. 1968 Vienna Convention and 1997 Vienna Agreement

Deliverables: proposals for harmonization where necessary and possible the rules for verification of compliance of vehicles in service including periodical technical inspections among the various Agreements, Conventions and Resolutions to allow improved safety and sustainability of road transport and exclude legislative obstacles for technological developments.

Expected Timeline: June 2020.

2.5. Autonomous vehicles Activity

The IWG on PTI consequently follows up the activities under the developments in the 1958 and 1998 Agreements and reacts when necessary.

Expected Timeline: continuous activity synchronised with the other GRs.

2.6. Road-side inspections

Deliverables: guidelines for performing an initial roadworthiness roadside check.

Expected Timeline: November 2019.

2.7. Education and attestation of experts, supervision of quality and supervision of testing centres

To be included in the agenda when requested.

2.8. Agricultural and Forestry tractors

To be included in the agenda when requested.

2.9. Others

To be defined as necessary.
