

Status report to 72nd GRBP (September 2020)

Task Force
on
Tyre Pressure Monitoring System & Tyre Installation
(TPMSTI)

Introduction

- Following the 71st session of GRBP the Task Force was introduced with the aim to introduce harmonized measures on Tyre Pressure Monitoring System (TPMS) and on Tyre Installation for all M-, N- and O-categories of vehicles to UN Regulation No. 141 and to No. 142, in order to increase vehicles safety and their environmental performance.

Objectives

- The Task Force shall develop and propose requirements for Tyre Pressure Monitoring System (TPMS) and for Tyre Installation concerning all M-, N- and O-categories of vehicles.
- The scope and purpose of the Task Force should cover UN Regulation No. 141 and No. 142.
- The Task Force shall, where appropriate, develop amendments to these two Regulations or develop new Regulations for N2, N3, M2, M3, O3 and O4.
- The Task Force shall report to GRBP.

Timeline

- The aim of Task Force is to present a working document for consideration during the 72nd GRBP in September 2020.

Participants

- Contracting Parties: European Commission, Germany, The Netherlands, China, Japan, Finland
- NGOs: CLEPA, ETRTO, OICA
 - Between 40 and 50 experts joined in average the meetings on UN R No. 141
 - Between 15 and 25 experts joined in average the meetings on UN R No. 142

Roles

- Chair: European Commission
- Secretary: OICA

Meetings (1)

- The Task Force had six meetings to prepare two working documents to 72nd session of GRBP
- 1st meeting in February 2020
- 2nd meeting in March 2020
- 3rd meeting in April 2020
- 4th, 5th and 6th meeting in June 2020

- On 15th of June the task Force submitted two Working Documents to GRBP
 - **ECE/TRANS/WP.29/GRBP/2020/19** (for UN Regulation No. 142)
 - **ECE/TRANS/WP.29/GRBP/2020/20** (for UN Regulation No. 141)

- Due to the COVID-19 situation both documents were not complete and needed further work to be finalized

Meetings (2)

- The Task Force had two more meetings to handle the open issues in both working documents to be presented at 72nd session of GRBP
- 7th and 8th meeting in August 2020
- Small sub-group meeting on Warming-up procedure in August 2020

- In July the Test Program for validation of the test procedures for TPMS could be performed by TRL and the results were presented at the 7th meeting of the Task Force (TPMSTI-07-09).
- At the 8th meeting the Task Force was able to finalize all issues, which have been related to the results of the Test Program
- The outcome of this work has been documented in
 - **TPMSTI-08-03 Rev.1** (for UN Regulation No. 141)
 - **TPMSTI-08-04 Rev.1** (for UN Regulation No. 142)
- Both documents have been the bases for two additional Informal documents amending
 - **ECE/TRANS/WP.29/GRBP/2020/19 → GRBP-72-18**
 - **ECE/TRANS/WP.29/GRBP/2020/20 → GRBP-72-19**

Status of the work on UN Regulation No. 142

- The Task Force finished the work on the amendments to UN Regulation No. 142 at its 8th meeting.

Status of the work on UN Regulation No. 141

- The Task Force finished the work on nearly all amendments to UN Regulation No. 141 at its 8th meeting.
- One issue is still open and needs further work to be finalized

Open issue for UN Regulation No. 141

- Define the requirements for the “Communication Interface” between the towing vehicle and the to be towed vehicle(s) of category O₃ and O₄
- *Paragraph 5.6.* needs to be updated and *Annex 5* needs to be drafted

Timeline for “Communication Interface”

- At its 7th meeting the Task Force formulated an action plan for solving the issue on the “Communication Interface”
 - *Start immediately after the 72nd session of GRBP the small working group on the “Communication interface”*
 - *Elaborate the needed requirements, which have to be implemented in Paragraph 5.6.*
 - *Prepare a new Annex 5; Annex 16 of UN Regulation No. 13 can be used as guideline*
 - *Prepare a document for the March session of WP.29 to correct and modify the adopted document by the 72nd session of GRBP*
 - *Inform the 73rd session of GRBP about this document*
- At the 8th meeting 12 experts of the Task Force (European Commission, The Netherlands, Japan, CLEPA, OICA) had declared their willingness to join this small working group.
- The preparation for the first meeting is in progress

Timeline Schedule

- The preparation for the first meeting is in progress
 - Preliminary date: 10th of September 2020
- 9th meeting of the Task Force to review the work of the small working group
 - Preliminary date: 9th of October 2020
- Final meeting of the small working group
 - Preliminary date: 22nd or 23rd of October 2020
- 10th meeting of the Task Force to review the work of the small working group and prepare the necessary documents for GRBP and WP.29
 - Preliminary date: 29th or 30th of October 2020