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 72\textsuperscript{nd} 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 72\textsuperscript{nd} session of GRBP

• 7\textsuperscript{th} and 8\textsuperscript{th} 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 7\textsuperscript{th} meeting of the Task Force (TPMSTI-07-09).

• At the 8\textsuperscript{th} 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: 10\textsuperscript{th} of September 2020

• 9\textsuperscript{th} meeting of the Task Force to review the work of the small working group
  • Preliminary date: 9\textsuperscript{th} of October 2020

• Final meeting of the small working group
  • Preliminary date: 22\textsuperscript{nd} or 23\textsuperscript{rd} of October 2020

• 10\textsuperscript{th} 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: 29\textsuperscript{th} or 30\textsuperscript{th} of October 2020