TPMSTI-08-01

8th session of the GRBP TF on

Tyre Pressure Monitoring System and Tyre Installation (TPMSTI), 26 August 2020

**ECONOMIC COMMISSION FOR EUROPE**

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

Working Party on Noise and Tyres (GRBP)

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

**Draft Agenda of the 8h meeting of the Task Force TPMSTI**

**Amendments to UN Regulation No 141**

**August 26, 2020 starting at 9:15 am ending at 11:00 am (CET)**

**WebEx only !**

[**https://ecwacs.webex.com/meet/avosinis**](https://ecwacs.webex.com/meet/avosinis)

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|  |  | Working Documents\* Documents not yet available |
|  | Welcome and opening remarks |  |
|  |  |  |
|  | Introduction of participants and organizations |  |
|  |  |  |
|  | Adoption of the Agenda | TPMSTI-08-01\* |
|  |  |  |
|  | Approval of the Report of the 7th meeting regarding UN R 141 | [TPMSTI-07-10](https://wiki.unece.org/download/attachments/106299817/TPMSTI-07-10%20Draft%20Report%207th%20meeting%20-%20UN%20R%20No%20141.docx?api=v2) |
|  |  |  |
|  | (EC) – Proposal for amendments to UN Regulation No. 141* Exchange of information on the documents esp. the sixth meeting of TF on TPMSTI
* Open issues (see below)
* Key elements / Planning
* Informal document for 72nd session of GRBP
 | [GRBP-71-15](https://wiki.unece.org/download/attachments/94047573/GRBP-71-15e%20%28EC%29%20R141.pdf?api=v2)[TPMSTI-01-06](https://wiki.unece.org/download/attachments/94047573/TPMSTI-01-06%20GRBP-71-15e%20revised%20by%201st%20meeting%20of%20TF%20on%20TPMSTI.docx?api=v2)[TPMSTI-02-13](https://wiki.unece.org/download/attachments/94047575/TPMSTI-02-13%20TPMST-01-06%20revised%20by%202nd%20meeting%20%20of%20TF%20on%20TPMSTI%20based%20on%20TPMSTI-02-06%20%26%20TPMSTI-02-05.docx?api=v2)[TPMSTI-02-13 Rev.1](https://wiki.unece.org/download/attachments/94047575/TPMSTI-02-13%20Rev.1%20TPMST-01-06%20revised%20by%202nd%20meeting%20%20of%20TF%20on%20TPMSTI%20based%20on%20TPMSTI-02-06%20%20TPMSTI-02-05_Comments%20by%20EC.docx?api=v2)[TPMSTI-02-13 Rev.2](https://wiki.unece.org/download/attachments/94047575/TPMSTI-02-13%20Rev.2%20TPMSTI-01-13%20Rev.1%20and%20All%20%C2%A7%20%26%20Annexes%20included.docx?api=v2)[TPMSTI-03-12](https://wiki.unece.org/download/attachments/101549589/TPMSTI-03-12%20Revised%20TPMSTI-02-13%20Rev.2%20during%203rd%20meeting.docx?api=v2)[TPMSTI-04-14](https://wiki.unece.org/download/attachments/101553579/TPMSTI-04-14%20Revised%20TPMSTI-03-12%20during%204th%20meeting%20-%20R%20No%20141.docx?api=v2)[TPMSTI-05-06](https://wiki.unece.org/download/attachments/105185728/TPMSTI-05-06%20Revised%20TPMSTI-04-14%20R%20No%20141%20-%20by%20DG-Grow-Japan%20-%20CLEPA.docx?api=v2)[TPMSTI-06-03](https://wiki.unece.org/download/attachments/106299615/TPMSTI-06-03%20Revised%20TPMSTI-05-06%20R%20No%20141%20after%205th%20meeting.docx?api=v2) |
|  | *TPMSTI-06-08 was converted into a Working document and sent to GRBP on 15th June 2020.** [**ECE/TRANS/WP.29/GRBP/2020/20**](http://www.unece.org/fileadmin/DAM/trans/doc/2020/wp29grb/ECE-TRANS-WP.29-GRBP-2020-20e.pdf)- (TF TPMSTI) Proposal for a new 01 series of amendments to UN Regulation No. 141 (Tyre pressure monitoring systems)

*To be able to finalize the work on the open issues, the Secretary provided TPMSTI-08-03. Open issues are marked in [****yellow****]. During the 7th meeting approved issues are marked in [****green]****. TPMSTI-08-03 is based on TPMSTI-07-03.***Open issues to be finalized at the 7th meeting:*** ***Warm-up procedure for tyres of class C2 & C3***
* ***All issues depending on the results of TRL’s test program***
* ***Interface between N2, N3 & O3, O4***
* ***Transitional Provisions***

*The Group discussed the proposals and come to the following decisions:** ***Warm-up procedure for tyres of class C2 & C3***

*Annex 3 §1.5.6.*[Tyres of tyre class C2 and C3 shall be warmed up according to the following procedure: * Warm-up the tyre during 2 hours according to UN Regulation No. 117.
* The ambient temperature should be higher than 0⁰ C.
* The chosen vehicle speed range should be between 25 and 90 km/h.
* The average speed should be around 45 km/h.
* The vehicle should be run with an axle load between 60% and 90%.]

*TRL proposed in TPMSTI-07-05 to delete in Annex 3 §1.5.6. the above shown text in square brackets and incorporate the “warm-up” procedure into Annex 3, §2.4. (Learning phase) instead.**The proposal is as follows:*2.4. Learning/Tyre warming phase.2.4.1. For M1 vehicles of mass up to 3,500 kg and N1 vehicles, drive the vehicle for a minimum of twenty minutes within the speed range in paragraph 1.4.2. to this annex, and with an average speed of eighty km/h (10 km/h). It is allowed to be outside the speed range for a maximum cumulative time of two minutes during this phase. For M2, M3, N2, N3, O3 and O4 category vehicles, drive the vehicle for a minimum of [180] minutes at a speed of fifty-seven km/h (+10 km/h). It is allowed to be outside the speed range for a maximum cumulative time of two minutes during this phase. *ETRTO presented its proposal for the “warm-up procedure” (TPMSTI-07-08) according to Annex 3, §1.5.6..*Tyres of tyre class C1 and C2 shall be warmed up according to the procedure in §2.6.2.1. of this Annex.[Tyres of tyre class ~~C2 and~~ C3 shall be warmed up according to the following procedure: * Warm-up the tyre for ~~during 2~~ 1 hour~~s~~ ~~according to UN Regulation No. 117~~.
* The ambient temperature should be higher than 0⁰ C.
* The chosen vehicle speed range should be between 25 and 90 km/h.
* The average speed should be around 45 km/h.
* The vehicle should be run with an axle load between 60% and 90%.

*In addition CLEPA proposed to revise the existing text (TPMSTI-07-06).**ETRTO asked the Group to give more time for further discussions inside ETRTO and to prepare a proposal for the 8th meeting.**The Group agreed and the issue will be on the agenda again for the 8th meeting.****Responsible:*** *ETRTO, TRL, CLEPA** ***All issues depending on the results of TRL’s test program***

*Annex 3, §2.4.**Annex 3, §2.4.1.* [and fifty-seven km/h (+10 km/h) for M2, M3, N2, N3, O3 and O4 vehicles]*This paragraph needs further discussions at the 8th meeting (see also* ***Warm-up procedure for tyres of class C2 & C3****)****Responsible:*** *ETRTO, TRL, CLEPA**Annex 3, §2.5.2.**TRL proposed to split the paragraph in two, because the test results showed that the time to deflate all tyres for vehicles of category M2, M3, N2, N3, O3 and O4 and the stabilization period are longer than for vehicles of category M1 and N1.**CLEPA pointed out, that the minimum pressure is different for tyres of tyre class C1 and C2 when fitted to vehicles of category M1 and N1.* *The Group agreed to follow the proposals by TRL and CLEPA.**The new wording for Annex 3, §2.5.2. can be found in TPMSTI-08-03.**Open is still the question about how long should the stabilization period be for tyres of tyre class C2 and C3. The proposed time is between 10 and 20 minutes. Is this time window to large and will this influence the tyre pressure significantly? This questions needs further to be discussed at the 8th meeting.****Responsible:*** *TRL, OICA** ***Interface between N2, N3 & O3, O4***

*§5.5.2*[In the case of a vehicle of category N2 or N3 towing at least one vehicle of category O3 or O4, the optical warning signal referred to in 5.5.1. must indicate whether any warning relates to the towing or to the towed vehicle.]*§5.5.5.*[For vehicles of category O3 and O4, the optical warning signal referred to in 5.5.1 must be displayed to the driver of the towing vehicle of category N2 or N3, as specified in paragraph 5.5.4.]*§5.6.*[Communications interface between towing and towed vehicles]*Annex 5*[Compatibility between towing vehicles and trailers with respect to ISO 11992 data communication]*Open question:**Even if the requirements for vehicles of category O3 and O4 are coming into force, a lot of trailers without any TPMS will be in traffic for a long time. How shall these trailers be connected to vehicles of category N2 and N3 where TPMS is installed?**Due to the current COVID-19 situation the small working group for this issue could not start its work.* *After a lengthy discussion the Group came to the conclusion, that this issue needs to be solved before the 01 series of Amendment to UN Regulation No. 141 can come into force.**The Secretary asked the Chairman of GRBP for advice.**A possible solution would be:** *Remove the square brackets for §5.6.*
* *Delete Annex 5*
* *Adopt the document with these changes at the 72nd session of GRBP.*
* *Start immediately the small working group on the “Communication interface”*
* *Elaborate the needed requirements, which have to be implemented in §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 the adopted document by the 72nd session of GRBP*
* *Inform the 73rd session of GRBP about this document*

*Whether this document should be an Informal Wording document or a Working Document needs to clarified during the coming days.**This small working group should finalize it work in mid of October (tbc).* *The small working group has also to take into account the proposed wordings of the following paragraphs: §5.2.4. §5.3.5 and §5.4.2..**These are the paragraphs where TRL proposed to add to the text the wording “towing vehicle”.**In addition CLEPA’s proposal should also be taken into consideration.**The Group asked the members to announce their willingness to participate in this small working group to the secretary as soon as possible.****Responsible:*** *OICA, CLEPA, Contracting Parties, EC** ***Transitional Provisions***

*§12.2.; §12.3.; §12.4.* [6 July 2022] & [6 July 2024]*The dates are introduced in line with the application dates of installation requirements in Regulation (EU) 2019/2144 (see GRBP2020/20, Justification 17).**The Group agreed to present the final proposal for a new 01 series of amendments to UN Regulation No. 141 with the dates proposed by European Commission, but the final decision will be made at the 8th meeting. §12.2. and §12.3. are still under discussion****Responsible****: EC, Contracting Parties & NGOs**§12.7.*[Contracting Parties applying this Regulation shall not refuse to grant type approvals according to any preceding series of amendments to this Regulation or extensions thereof.]*The Task Force approved §12.7. at its sixth meeting without square brackets. But when preparing the Working document the responsible legal officer of EC requested to put §12.7. in square brackets.**The representative of EC presented a possible compromise for §10.7. (see TPMSTI-07-07). Instead of a deletion of the complete paragraph, which most of the members of the Group did not agree on, the following was suggested:*Contracting Parties applying this Regulation may grant type approvals according to any preceding series of amendments to this Regulation or extensions thereof.*Where “*shall not refuse to grant*” was proposed to be changed to “*may grant*”.**The members of the Group agreed to take this proposal back home, discuss it with their experts and come back with their opinions to the 8th meeting.****Responsible****: EC, Contracting Parties & NGOs* | [TPMSTI-06-08](https://wiki.unece.org/download/attachments/106299615/TPMSTI-06-08%20Revised%20TPMSTI-06-03%20at%206th%20meeting%20R%20No%20141.docx?api=v2)[GRBP/2020/20](http://www.unece.org/fileadmin/DAM/trans/doc/2020/wp29grb/ECE-TRANS-WP.29-GRBP-2020-20e.pdf)[TPMSTI-07-03](https://wiki.unece.org/download/attachments/106299817/TPMSTI-07-03%20%28Sec%29%20GRBP-2020-20e%20R%20No%20141%20-%20Square%20brackets%20highlighted.docx?api=v2)[TPMSTI-08-03](https://wiki.unece.org/download/attachments/109347698/TPMSTI-08-03%20%28Sec%29%20Revised%20TPMSTI-07-03%20during%207th%20meeting.docx?api=v2)[TPMSTI-07-05](https://wiki.unece.org/download/attachments/106299817/TPMSTI-07-05%20%28TRL%29%20Comment%20to%20TPMSTI-07-03%20%20-%20Square%20brackets%20highlighted.docx?api=v2)[TPMSTI-07-08](https://wiki.unece.org/download/attachments/106299817/TPMSTI-07-08%20%28ETRTO%29%20Proposal%20%20for%20alternative%20warming%20up%20cycle%20in%20R141.docx?api=v2)[TPMSTI-07-06](https://wiki.unece.org/download/attachments/106299817/TPMSTI-07-06%20%28CLEPA%29%20Comments%20to%20TPMSTI-07-03.pptx?api=v2)[TPMSTI-07-05](https://wiki.unece.org/download/attachments/106299817/TPMSTI-07-05%20%28TRL%29%20Comment%20to%20TPMSTI-07-03%20%20-%20Square%20brackets%20highlighted.docx?api=v2)[TPMSTI-07-06](https://wiki.unece.org/download/attachments/106299817/TPMSTI-07-06%20%28CLEPA%29%20Comments%20to%20TPMSTI-07-03.pptx?api=v2)[TPMSTI-07-07](https://wiki.unece.org/download/attachments/106299817/TPMSTI-07-07%20%28EC%29%20Proposal%20for%20Transitional%20Provisions%20V9.pptx?api=v2) |
|  | *The above mentioned* ***open issues*** *need to be discussed and finalized during the 8th meeting. The proposed changes are included in document TPMSTI-08-03. Open issues are marked in [****yellow****]. During the 7th meeting approved issues are marked in [****green]****. TPMSTI-08-03 is based on TPMSTI-07-03.**The final decision of the Task Force will be presented at the 72nd session of GRBP in form of an Informal document, to be sent to GRBP at least 10 days ahead of this session.** *All* ***GRBP experts*** *participating in this TF are asked to check carefully the above mentioned documents, esp. TPMSTI-08-03 and send their comments and proposals as agreed* ***above as soon as possible*** *to the Secretary and the Chair of the Task Force:*

manfred.klopotek@scania.com andreas.vosinis@ec.europa.eu(see also [TPMSTI-01-4 Rev.1](https://wiki.unece.org/download/attachments/94047573/TPMSTI-01-04%20Rev.1%20%28Chair%29%20Proposal%20-%20Guideline%20for%20TF%20TPMSTI.docx?api=v2) - Guidelines C.3.) | [TPMSTI-08-03](https://wiki.unece.org/download/attachments/109347698/TPMSTI-08-03%20%28Sec%29%20Revised%20TPMSTI-07-03%20during%207th%20meeting.docx?api=v2) |
|  | Next meeting(s) |  |
| * ***Official sessions of next TF TPMSTI:***
* **9th Meeting on UN Regulation No. 141:**
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|  | Adjourn |  |
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All documents will be available via the UNECE website for the Task Force on Tyre Pressure Monitoring System and Tyre Installation ([TPMSTI](https://wiki.unece.org/pages/viewpage.action?pageId=94047545)).

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