



# UNECE GRPE Informal Group on Environmental and Propulsion Performance Requirements of L-cat Vehicles (EPPR L-cat)

State of Play

*A. Perujo*  
*(IWG chairman)*

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# New vice-chair of the IWG on EPPR L-cat

- Mr. Hisakazu Suzuki
  - The IWG would like to thank Suzuki-san for his support to the IWG work
- Mr. Shinya Yamamura
  - The IWG would like to welcome Yamamura-san as the new vice chair
  - Since summertime, Yamamura-san is in charge of GRPE activities at the Ministry Land, Infrastructure, Transport and Tourism of Japan.

# EPPR meetings in 2020/2021

## Face-to-face meetings:

Due to COVID 19 no f2f meeting were held

## Web conferences:

- 16 June 2020: EPPR 37th (Durability)
- 17 September 2020: EPPR 38th (Durability)
- 13 and 15 October 2020: EPPR 39th (GTR 2 -next step\* - and Durability)
- 10 December 2020: EPPR 40th (GTR 2 -next step\* - and Durability)
- 8 January 2021: EPPR 41st (GTR 2 -next step\* - and Durability)
- 4 February 2021: EPPR 42nd (GTR 2 -next step\* - and Durability)
- 3 - 4 March 2021: EPPR 43rd (GTR 2 -next step\* -, Durability and transposition)
- ...

\* *next step = possible amendment 5 to extend the scope of vehicles and fuels*



# Amendment of UN GTR 18 to include OBD II

- GTR 18 " Global technical regulation on the measurement procedure for two- or three-wheeled motor vehicles with regard to on-board diagnostics" (ECE/TRANS/180/Add.18)
  - It deals mainly with electric continuity:
    - "The OBD stage I system shall monitor for any electric circuit and electronics failure of the vehicle's control system"
- Amendment 1 introduces OBD II: functional aspects
  - prescribes the requirements for On-Board Diagnostic (OBD) systems to detect, record and/or communicate failures of specific vehicle and engine systems that affect the environmental performance of these systems
  - specifies the elements concerning the OBD system to facilitate the diagnosis, efficient and effective repair and maintenance of specific vehicle and engine systems without containing mandatory prescriptions for this purpose.



# Amendment of UN GTR 18 to include OBD II

- GRPE endorsed Amendment 1 to UN GTR 18<sup>§</sup> and it was submitted to the WP29 and Executive Committee of the 1998 Agreement (AC.3) for consideration and vote at their November 2020 sessions as draft Amendment 1 to UN GTR No. 18. for its eventual adoption.
- Amendment 1 to UN GTR 18 was adopted at WP29/AC.3 on 11 November 2020<sup>#</sup>

§ECE/TRANS/WP.29/GRPE/81

#ECE/TRANS/WP.29/1155



# EPPR IWG – Terms of Reference (ToR)

- GRPE agreed to the ToR of the IWG on EPPR on its 81st session, as proposed by the IWG on EPPR L-cat in GRPE-81-23-Rev.1<sup>§</sup> (including an interim reporting mid-2022 so GRPE was updated of the progress and latest activities throughout the mandate).
- WP.29 gave its consent to the above extension (TOR) on 11 November 2020<sup>#</sup>

§ECE/TRANS/WP.29/GRPE/81

#ECE/TRANS/WP.29/1155



# EPPR IWG – Request for authorization to develop a new UN GTR on durability of after treatment devices for two- and three-wheeled motor vehicles.

- The durability of pollution control devices for two- and three- wheeled motor vehicles is not currently regulated by any UN GTR or UN Regulation.
- The development of the new GTR has started under the umbrella of the previous approved mandate given by WP29/AC3 (finished Dec. 2020).
- New authorisation is requested to complete the work already underway (GRPE-82-26-Rev.1).





# EPPR IWG – Request for authorization to develop a new UN GTR on durability of after treatment devices for two- and three-wheeled motor vehicles.

## Timeline

- June 2021: Request for authorization submitted to AC.3;
- January 2021 – June 2021: EPPR IWG continues formulating and drafting UN GTR with elements agreed upon.
- June 2021: EPPR IWG provides an update to the June 2021 meeting of GRPE with a first draft (informal document) of the UN GTR for further discussion and recommendations;
- June 2021 – October 2021: EPPR IWG conclude the GTR and prepares a formal (working) document of the GTR to be submitted to the GRPE.
- January 2022: EPPR IWG presents the UN GTR to GRPE and ask for endorsement for consideration by WP.29 and AC.3.

**The EPPR IWG request the endorsement by the GRPE of this Request for authorization to develop this new UN GTR (GRPE-82-26-Rev.1)**



# EPPR IWG - Outlook

**The IWG is currently working on these issues:**

- Proposal for a new UN GTR on Durability testing of pollution control devices for L-category vehicles.
- Proposal for Amendment 5 to UN GTR 2 for its extension to three-wheelers and to include other fuels
- Considering:
  - Unified rules and test procedures to measure power and torque for 2- and 3-wheelers
  - The transposition of UN GTR 2 into a UN Regulation



# Thank you

You can follow us in:

<https://wiki.unece.org/display/trans/EPPR+Main+activities>

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