
Provisional annotated agenda of the 90th GRPE* (with informal documents received until 9 January 2024, 20.00 CET)

1. Adoption of the agenda

In accordance with Chapter III, Rule 7 of the Rules of Procedure (TRANS/WP.29/690/Rev.1) of the World Forum for Harmonization of Vehicle Regulations (WP.29), the first item on the provisional agenda is the adoption of the agenda.

Documentation: ECE/TRANS/WP.29/GRPE/2024/1
[GRPE-90-01-Rev.2](#), [GRPE-90-02-Rev.3](#), [GRPE-90-03](#), [GRPE-90-04](#)

2. Report on the last session of the World Forum for Harmonization of Vehicle Regulations (WP.29)

The Working Party on Pollution and Energy (GRPE) may agree to consider a brief oral report by the secretariat about the highlights of the June and November 2023 sessions of WP.29 on issues related to GRPE.

Documentation: [GRPE-90-05](#)

3. Light vehicles

(a) UN Regulations Nos. 68 (Measurement of the maximum speed, including electric vehicles), 83 (Emissions of M₁ and N₁ vehicles), 101 (CO₂ emissions/fuel consumption), 103 (Replacement pollution control devices) and 154 (Worldwide harmonized Light vehicles Test Procedures (WLTP))

GRPE may wish to consider a proposal from the experts of OICA proposing a new supplement to the 05 series of amendments to UN Regulation No. 83, proposing to extend the option from the 06 and 07 to the 05 series of amendments to UN Regulation No. 83 allowing the calculation of road load values from those determined according to UN GTR No.15 (WLTP).

Documentation: ECE/TRANS/WP.29/GRPE/2024/7

GRPE may wish to consider a proposal from the experts of OICA proposing a new supplement to the 08 series of amendments to UN Regulation No. 83, introducing corrections and clarifications to the 08 series of amendments to UN Regulation No. 83. The content of this document is based on the informal document GRPE-89-15 presented during the 89th session of GRPE.

Documentation: ECE/TRANS/WP.29/GRPE/2024/8
[GRPE-90-08](#)

GRPE may wish to consider a proposal from the experts of OICA proposing a new supplement to the 01 series of amendments to UN Regulation No. 101, introducing improvements and measurement processes already included in the 02 series of amendments to UN Regulation No. 154.

Documentation: ECE/TRANS/WP.29/GRPE/2024/9

GRPE may wish to consider a proposal from the experts of OICA proposing a new supplement to the original and 01 series of amendments to UN Regulation No. 154, as a consolidated version. The proposals incorporate corrections, clarifications and improvements

* All document symbols starting with GRPE-90-XX are informal documents for this session of GRPE

to both series of amendments to UN Regulation No. 154 that have already been introduced in the 02 and 03 series of amendments to UN Regulation No. 154.

Documentation: ECE/TRANS/WP.29/GRPE/2024/2
ECE/TRANS/WP.29/GRPE/2024/3

GRPE may wish to consider a proposal from the experts of Japan proposing a new supplement to the 02 and 03 series of amendments to UN Regulation No. 154, required in order to align the 02 and 03 series of amendments to UN Regulation No. 154 with the latest regional requirements.

Documentation: ECE/TRANS/WP.29/GRPE/2024/10, [GRPE-90-21](#)
ECE/TRANS/WP.29/GRPE/2024/11, [GRPE-90-22](#)

GRPE may wish to consider a proposal from the experts of OICA proposing to align the 05, 06 and 07 Series of Amendments to UN Regulation No.83 with UN Regulation No.154 on certain elements of the type IV test on evaporative emissions.

Documentation: [GRPE-90-09](#)

GRPE may wish to consider a proposal from the experts of OICA introducing a list of issues in all Series of Amendments to UN Regulation No.154.

Documentation: [GRPE-90-10](#)

GRPE may wish to consider a proposal from the experts of Japan on the future amendment plan for UN Regulation No. 154

Documentation: [GRPE-90-23](#)

GRPE may wish to consider a proposal from the experts of OICA proposing transitional provisions regarding supplement 2 for original and 01 series of amendments to UN Regulation No.154.

Documentation: [GRPE-90-11](#)

GRPE may wish to consider a proposal from the experts of Sweden proposing a new supplement to the 02 and 03 series of amendments to UN Regulation No. 154, proposing to include the possibility to use driver robots during pure electric vehicle range and electric energy consumption tests.

Documentation: [GRPE-90-19](#)

(b) UN Global Technical Regulations Nos. 15 (Worldwide harmonized Light vehicles Test Procedures (WLTP)) and 19 (Evaporative emission test procedure for the Worldwide harmonized Light vehicle Test Procedure (WLTP EVAP))

GRPE may wish to consider a proposal from the experts of OICA proposing a new amendment to UN GTR No. 15, as a consolidated version. The proposals incorporate corrections, clarifications and improvements that have already been introduced in the 02 and 03 series of amendments to UN Regulation No. 154.

Documentation: ECE/TRANS/WP.29/GRPE/2024/12
[GRPE-90-12](#)

(c) Worldwide harmonized Real Driving Emissions test procedure

GRPE may wish to consider proposals on the topic of Worldwide harmonized Real Driving Emissions test procedure, if any.

4. Heavy duty vehicles

(a) UN Regulations Nos. 49 (Emissions of compression ignition and positive ignition (LPG and CNG) engines) and 132 (Retrofit Emissions Control devices (REC))

GRPE may wish to consider a proposal from the experts of OICA amending the 05 and 06 series of amendments to UN Regulation No. 49 to permit the use of hydrogen (H₂) in

internal combustion engines as fuel for emissions type approval of heavy-duty vehicles. The proposal to amend the 06 series of amendments to UN Regulation No. 49 also includes an additional method to measure NH₃.

Documentation: ECE/TRANS/WP.29/GRPE/2024/13
ECE/TRANS/WP.29/GRPE/2024/14

GRPE may wish to consider a presentation from the experts of OICA on the latest activities on Hydrogen Dual Fuel engines for heavy duty applications.

Documentation: [GRPE-90-18](#)

- (b) **UN Global Technical Regulations Nos. 4 (World-wide harmonized Heavy Duty Certification procedure (WHDC)), 5 (World-Wide harmonized Heavy duty On-Board Diagnostic systems (WWH-OBDD)) and 10 (Off-Cycle Emissions (OCE))**

GRPE may wish to consider proposals to amend UN GTRs Nos 4, 5 or 10, if any.

- (c) **Worldwide provisions for Heavy Duty vehicles Fuel Economy**

GRPE may wish to receive a status report on the activities of harmonized provision for Heavy Duty vehicles Fuel Economy, if any.

- 5. UN Regulations Nos. 24 (Visible pollutants, measurement of power of C.I. engines (Diesel smoke)), 85 (Measurement of the net power), 115 (LPG and CNG retrofit systems), 133 (Recyclability of motor vehicles) and 143 (Heavy Duty Dual-Fuel Engine Retrofit Systems (HDDF-ERS))**

GRPE may wish to consider a proposal from the expert of OICA proposing to amend UN Regulation No. 85 to clarify and bring up to date the requirements for fitment of auxiliaries when testing the net power or 30 minutes power of electric drive trains.

Documentation: ECE/TRANS/WP.29/GRPE/2024/15

- 6. Agricultural and forestry tractors, non-road mobile machinery**

- (a) **UN Regulations Nos. 96 (Diesel emission (agricultural tractors)) and 120 (Net power of tractors and non-road mobile machinery)**

GRPE may wish to consider a proposal from the experts of EUROMOT amending the 05 series of amendments to UN Regulation No. 96 and amending the 02 series of amendments to UN Regulation No. 120 to permit the use of hydrogen (H₂) in internal combustion engines to be installed in agricultural and forestry tractors and in non-road mobile machinery. The proposals are also fixing spelling and typographic errors.

Documentation: ECE/TRANS/WP.29/GRPE/2024/16
ECE/TRANS/WP.29/GRPE/2024/17, [GRPE-90-13](#)
[GRPE-90-14](#)

GRPE may wish to consider a presentation from the experts of the Netherlands proposing to amend UN regulation No. 96 to better cover some engine categories, especially engine <19kW and cooling units

Documentation: [GRPE-90-24](#)

- (b) **UN Global Technical Regulation No. 11 (Non-road mobile machinery engines)**

GRPE may wish to consider proposals to amend UN GTR No. 11, if any.

- 7. Particle Emissions**

(a) UN Global Technical Regulation No. 24 (Light-duty brake emissions)

GRPE may wish to consider a proposal to amend UN GTR No. 24, to include a vehicle-specific non-friction braking measurement procedure, definition of brake emission families and other changes with the aim of improving the overall protocol.

Documentation: ECE/TRANS/WP.29/GRPE/2024/4, [GRPE-90-25](#)
[GRPE-90-27](#)
[GRPE-90-06](#), [GRPE-90-26](#)

(b) Activities of the IWG on Particle Measurement Programme (PMP)

GRPE will receive a status report from the IWG on PMP.

Documentation: [GRPE-90-28](#)

GRPE may wish to consider a presentation from the experts of The Netherlands the health effects of brake wear particle emissions.

Documentation: [GRPE-90-30](#)

(c) Activities of the Task Force on Tyre Abrasion (TFTA)

GRPE will receive a status report from the TFTA.

Documentation: [GRPE-90-29](#)

GRPE may wish to consider a presentation from the experts of OICA on a Tyre Abrasion Study performed by UTAC for ACEA and OICA.

Documentation: [GRPE-90-20-Rev.1](#)

8. Motorcycles and mopeds

(a) UN Regulations Nos. 40 (Emission of gaseous pollutants by motorcycles) and 47 (Emission of gaseous pollutants of mopeds)

GRPE may wish to consider proposals to amend UN Regulations Nos. 40 and 47, if any.

(b) UN Global Technical Regulations Nos. 2 (World-wide Motorcycle emissions Test Cycle (WMTC)), 17 (Crankcase and evaporative emissions of L-category vehicles), 18 (On-Board Diagnostic (OBD) systems for L-category vehicles) and 23 (Durability)

GRPE may wish to consider proposals to amend UN GTRs Nos. 2, 17, 18 and 23, if any.

(c) Environmental and Propulsion Performance Requirements (EPPR) for L-category vehicles

GRPE will receive a status report from the IWG on EPPR.

Documentation: [GRPE-90-XX](#)

9. Electric Vehicles and the Environment (EVE)

(a) UN GTR No. 21 (DEVP) and 22 (In-Vehicle Battery Durability)

GRPE may wish to consider a proposal from the IWG on EVE to amend UN GTR No. 21, to improve several aspects of the text with respect to signals measurement and

accuracy, alternative measurement methods where needed and other improvement to improve the robustness of the UN GTR.

Documentation: ECE/TRANS/WP.29/GRPE/2024/5, [GRPE-90-16](#)
[GRPE-90-17](#)

GRPE may wish to consider a proposal from the IWG on EVE to amend UN GTR No. 22.

Documentation: ECE/TRANS/WP.29/GRPE/2024/6, [GRPE-90-32](#)
[GRPE-90-33](#)

(b) Other activities of IWG on EVE

GRPE will receive a status report from the IWG on EVE.

Documentation: [GRPE-90-XX](#)

10. Mutual Resolution No. 2 (M.R.2)

GRPE may wish to consider a proposal to amend Mutual Resolution No. 2 (M.R.2), if any.

11. International Whole Vehicle Type Approval (IWVTA)

GRPE may wish to receive an update from the GRPE Ambassador to the IWG on IWVTA and IWG on DETA.

12. Vehicles Interior Air Quality (VIAQ)

GRPE will receive a status report from the IWG on VIAQ.

Documentation: [GRPE-90-XX](#)

13. Lifetime compliance

GRPE may wish to consider proposals on the topic of lifetime compliance, if any.

14. Automotive Life Cycle Assessment (A-LCA)

GRPE will receive a status report from the IWG on A-LCA.

Documentation: [GRPE-90-31](#)

15. Priority topics for GRPE activities

GRPE may wish to consider proposals to update the list of priority topics and/or to discuss specific items from the list of priority topics.

16. Any other business

GRPE may wish to receive an update from the GRPE Task Force Automated Vehicles Regulation Screening (TF-AVRS).

Documentation: [GRPE-90-15](#)

GRPE may wish to consider any other proposals, if any.

