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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Pollution and Energy****Eighty-seventh session**

Geneva, 10–13 January 2023

Item 1 of the provisional agenda

Adoption of the agenda**Provisional agenda for the eighty-seventh session^{*,**}**

to be held at the Palais des Nations, Geneva, or virtually^{***}, starting at 2.30 p.m. on 10 January 2023 and concluding at 12.30 p.m. on 13 January 2023.

* Before the session, documents may be downloaded from the ECE Sustainable Transport Division's website (<https://unece.org/info/events/event/371301>). The translation of official documents will be uploaded to the meeting webpage when issued by translation services.

** Delegates are kindly requested to register online with the registration system on the UNECE website (<https://indico.un.org/event/1002044/>). Upon arrival at the Palais des Nations, delegates should obtain an identification badge at the UNOG Security and Safety Section, located at the Villa Les Feuillantines (13, Avenue de la Paix). In case of difficulty, please contact the secretariat by telephone (ext. 74323). For a map of the Palais des Nations and other useful information, please go to: www.unece.org/meetings/practical.html.

*** Exact meeting configuration unknown at the time of publication of this document.



I. Proposal

1. Adoption of the agenda.
2. Report on the last sessions of the World Forum for Harmonization of Vehicle Regulations (WP.29).
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));
 - (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));
 - (c) Worldwide harmonized Real Driving Emissions test procedure.
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));
 - (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-OBD)) and 10 (Off-Cycle Emissions (OCE));
 - (c) Worldwide provisions for Heavy Duty vehicles Fuel Economy.
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)).
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);
 - (b) UN Global Technical Regulation No. 11 (Non-road mobile machinery engines).
7. Particle Measurement Programme (PMP).
8. Motorcycles and mopeds:
 - (a) UN Regulations Nos. 40 (Emission of gaseous pollutants by motorcycles) and 47 (Emission of gaseous pollutants of mopeds);
 - (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 [XX] (Durability);
 - (c) Environmental and Propulsion Performance Requirements (EPPR) for L-category vehicles.
9. Electric Vehicles and the Environment (EVE);
 - (a) UN GTRs Nos. 21 (DEVP) and 22 (In-Vehicle Battery Durability);
 - (b) Other activities of IWG on EVE.
10. Mutual Resolution No. 2 (M.R.2).

11. International Whole Vehicle Type Approval (IWVTA).
12. Vehicle Interior Air Quality (VIAQ).
13. Lifetime compliance.
14. Life Cycle Assessment (LCA).
15. Priority topics for GRPE activities.
16. Any other business.

II. Annotations

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/2023/1

2. Report on the last sessions 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 2022 sessions of WP.29 on issues related to GRPE.

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 expert of the European Commission for a new 08 series of amendment to UN Regulation No. 83.

Documentation: ECE/TRANS/WP.29/GRPE/2023/2

GRPE may wish to consider a proposal from the expert of International Organization of Motor Vehicle Manufacturers (OICA) proposing to harmonize the requirements of the 06 and 07 series of amendments to UN Regulation No. 83, the 01 series of amendments to UN Regulation No. 101 and the original, 01, 02 and 03 series of amendments to UN Regulation No. 154 respectively, and to ensure consistent type-approval test conditions with the introduction of the 08 series of amendments to UN Regulation No. 48.

Documentation: ECE/TRANS/WP.29/GRPE/2023/10
ECE/TRANS/WP.29/GRPE/2023/11
ECE/TRANS/WP.29/GRPE/2023/12

GRPE may wish to consider a proposal from the expert of OICA proposing to harmonize the requirements for the determination of CO₂ emissions, fuel and electric energy consumption of the discharge requirement for OVC-HEV with an operating mode switch with its stop criterion. The proposal is also aiming at harmonizing the preconditioning requirement between the 01 series of amendments of UN Regulation No. 101 (Annex 9, determination of electric range) and 06 and 07 series of amendments of UN Regulation No. 83 (Annex 14, provisions for emissions test procedures for HEV).

Documentation: ECE/TRANS/WP.29/GRPE/2023/13

- (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 proposals to amend UN GTRs Nos 15 or 19, if any.

- (c) **Worldwide harmonized Real Driving Emissions (RDE) test procedure**

GRPE may wish to consider a proposal from Japan and the European Commission for a new UN Regulation on Global RDE.

Documentation: ECE/TRANS/WP.29/GRPE/2023/3

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 Australia and the European Commission amending the 06 and 07 series of amendments to UN Regulation No. 49 to correct drafting errors in formulas.

Documentation: ECE/TRANS/WP.29/GRPE/2023/5

GRPE may wish to consider a proposal from the experts of the European Commission and OICA amending the 07 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.

Documentation: ECE/TRANS/WP.29/GRPE/2023/6

- (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-OBD)) 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 amending UN Regulation No. 85 to permit the use of hydrogen (H₂) in internal combustion engines as fuel for emissions type approval of heavy-duty vehicles.

Documentation: ECE/TRANS/WP.29/GRPE/2023/7

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 proposals to amend UN Regulations Nos. 96 and 120, if any.

(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 Measurement Programme (PMP)

GRPE may wish to consider a proposal from the Informal Working (IWG) on PMP for a new UN GTR on brake particulate emissions.

Documentation: ECE/TRANS/WP.29/GRPE/2023/4

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

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 [XX] (Durability)

GRPE may wish to consider proposals to amend UN GTRs Nos. 2, 17, 18 and [XX] (Durability), if any.

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

GRPE will receive a status report from the IWG on EPPR and may wish to discuss updated Terms of References for the IWG.

9. Electric Vehicles and the Environment (EVE)**(a) UN GTR No. 21 (DEVP) and 22 (In-Vehicle Battery Durability)**

GRPE may wish to consider proposals to amend UN GTRs Nos. 21 or 22, if any.

(b) Other activities of IWG on EVE

GRPE may wish to consider a proposal from the IWG on EVE for a request for authorization to develop a new UN GTR on in vehicle battery durability for electrified heavy-duty vehicles.

Documentation: ECE/TRANS/WP.29/GRPE/2023/8

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

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.

13. Lifetime compliance

GRPE may wish to consider a proposal from the IWG on Periodic Technical Inspection (PTI) to amend Consolidated Resolution No. 6 (R.E.6) to add the possibility to perform a particle number (PN) test on diesel cars of categories M and N during PTI tests.

Documentation: ECE/TRANS/WP.29/GRPE/2023/9

14. Life Cycle Assessment (LCA)

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

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 consider any other proposals, if any.
