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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Lighting and Light-Signalling****Ninetieth session**

Geneva, 29 April – 3 May 2024

Item 1 of the provisional agenda

Adoption of the agenda**Annotated provisional agenda for the ninetieth session* ****

starting at 2.30 p.m. on 29 April 2024 and concluding at 12.30 p.m. on 3 May 2024

I. Provisional agenda

1. Adoption of the agenda.
2. 1998 Agreement – UN Global Technical Regulations: Development.
3. 1997 Agreement – Rules: Development.
4. Simplification of Lighting and Light-Signalling UN Regulations.
5. UN Regulations on Light Sources and the Consolidated Resolution on the Common Specification of Light Source Categories.
6. Installation UN Regulations:
 - (a) UN Regulation No. 48 (Installation of Lighting and Light-Signalling Devices);
 - (b) UN Regulation No. 74 (Installation of Lighting and Light-Signalling Devices for Mopeds);
 - (c) UN Regulation No. 86 (Installation of Lighting and Light-Signalling Devices for Agricultural Vehicles).
7. Device UN Regulations:

* For reasons of economy, delegates are requested to bring copies of all relevant documents to the session. There will be no documentation available in the conference room. Before the session, documents may be downloaded from the ECE website (<https://unece.org/info/events/event/387733>). For the translation of the official documents, delegates can access the public Official Document System (ODS) (<http://documents.un.org/>).

** Delegates are requested to register online with the registration system on the ECE website (<https://indico.un.org/event/1007099/>). Upon arrival at the Palais des Nations, delegates should obtain an identification badge at the UNOG Security and Safety Section. 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 see: www.unece.org/meetings/practical.html.



- (a) UN Regulation No. 148 (Light-Signalling Devices);
- (b) UN Regulation No. 149 (Road Illumination Devices).
- 8. UN Regulation No. 10 (Electromagnetic Compatibility).
- 9. Other UN Regulations.
- 10. Pending Amendment Proposals.
- 11. Other Business:
 - (a) Development of the International Whole Vehicle Type Approval;
 - (b) Amendments to the Convention on Road Traffic (Vienna, 1968);
 - (c) Miscellaneous.
- 12. Direction of Future Work of GRE.
- 13. Provisional Agenda for the Next Session.

II. Annotations

1. Adoption of the agenda

In accordance with Chapter III, Rule 7 of the Rules of Procedure of the World Forum for Harmonization of Vehicle Regulations (WP.29) (TRANS/WP.29/690/Rev.2), the first item on the provisional agenda is its adoption.

Documentation: ECE/TRANS/WP.29/GRE/2024/1

2. 1998 Agreement – UN Global Technical Regulations: Development

The Working Party on Lighting and Light-Signalling (GRE) may wish to resume consideration of this subject, awaiting new proposals and sponsors to develop a UN Global Technical Regulation (UN GTR).

3. 1997 Agreement – Rules: Development

GRE will recall that, at its eighty-sixth session, it supported the concept on vehicle whole-life compliance that had been prepared by the Informal Working Group on Periodical Technical Inspections (IWG PTI). GRE will be informed about the outcome of WP.29 considerations of this concept.

Documentation: ECE/TRANS/WP.29/2023/89

4. Simplification of Lighting and Light-Signalling UN Regulations

GRE will be informed about the progress of the Informal Working Group "Simplification of the Lighting and Light-Signalling Regulations" (IWG SLR) and will address amendment proposals prepared by IWG SLR, if any.

GRE is also invited to continue its discussions on the use of the Unique Identifier (UI) in the UN Regulations under the GRE purview.

Documentation: Informal documents GRE-89-03 and GRE-89-11

5. UN Regulations on Light Sources and the Consolidated Resolution on the Common Specification of Light Source Categories

GRE will consider amendments to the Consolidated Resolution on the common specification of light source categories (R.E.5) which were submitted by the experts from the Task Force on Substitutes and Retrofits (TF SR).

Documentation: ECE/TRANS/WP.29/GRE/2024/2, Informal document GRE-90-02

At the previous session of GRE, the expert of the International Electrotechnical Commission (IEC) highlighted the advantages of the light-emitting diode (LED) technology for power consumption and reducing greenhouse gas emissions, while the expert of GTB mentioned their ongoing study on this topic, the results of which should be reported to this session of GRE.

Documentation: Informal document GRE-89-22

6. Installation UN Regulations

(a) UN Regulation No. 48 (Installation of Lighting and Light-Signalling Devices)

GRE will address a proposal that was prepared by the experts from the International Automotive Lighting and Light-Signalling Expert Group (GTB) with the aim to align the requirements in UN Regulation No. 48 with the updated requirements in UN Regulation No. 149.

Documentation: ECE/TRANS/WP.29/GRE/2024/3

GRE will consider a proposal by the experts from GTB that aligns the requirements for the passing-beam vertical inclination for off-road vehicles between the 06, 07, 08 series and the 09 series of amendments to UN Regulation No. 48.

Documentation: ECE/TRANS/WP.29/GRE/2024/4

GRE will consider a proposal by the experts from GTB which aims to avoid exceeding the aggregate maximum intensity of the main-beam headlamps.

Documentation: ECE/TRANS/WP.29/GRE/2024/5

GRE is invited to address a revised amendment proposal that was prepared by the Task Force on Autonomous Vehicle Signalling Requirements (TF AVSR).

Documentation: ECE/TRANS/WP.29/GRE/2023/9/Rev.2

GRE will be informed about the activities of the Task Force on Lamps Under Parked Conditions (TF LUPC) and will consider its draft Terms of Reference and Rules of Procedure.

Documentation: Informal document GRE-90-03

At its previous session, GRE agreed to keep on the agenda the topic of work lamps raised by the expert from France.

Documentation: Informal document GRE-89-21

Similarly, GRE decided to revert to the perceived blueish colour of the white light emitted by front lighting units, as reported by the expert from France.

Documentation: Informal document GRE-89-24

(b) UN Regulation No. 74 (Installation of Lighting and Light-Signalling Devices for Mopeds)

GRE will consider amendment proposals to UN Regulations Nos. 74 and 148 that were submitted by the expert from Germany with the aim to enable the approval of front and rear indicators which can be activated simultaneously.

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

(c) **UN Regulation No. 86 (Installation of Lighting and Light-Signalling Devices for Agricultural Vehicles)**

GRE is invited to address amendment proposals to the 02 and 03 series of amendments to UN Regulation No. 86 by the experts from European Agricultural Machinery Association (CEMA) which cover agricultural vehicles of any dimensions, bring technical clarifications and provide editorial corrections.

Documentation: ECE/TRANS/WP.29/GRE/2023/12/Rev.1,
ECE/TRANS/WP.29/GRE/2024/10

7. Device UN Regulations

(a) **UN Regulation No. 148 (Light-Signalling Devices)**

GRE is invited to address a proposal that was prepared by the experts from GTB with the aim to correct and clarify the communication form.

Documentation: ECE/TRANS/WP.29/GRE/2024/6

(b) **UN Regulation No. 149 (Road Illumination Devices)**

GRE will consider a proposal by the experts of GTB that clarifies measuring of the quality of the "cut-off".

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

GRE is invited to address a proposal that was prepared by the experts from GTB with the aim to clarify the markings.

Documentation: ECE/TRANS/WP.29/GRE/2024/8

8. UN Regulation No. 10 (Electromagnetic Compatibility)

GRE will be informed about the activities of the Informal Working Group on Electromagnetic Compatibility (IWG EMC) and will consider a revised draft proposal for the 07 series of amendments to UN Regulation No. 10 prepared by IWG EMC.

Documentation: ECE/TRANS/WP.29/GRE/2023/27/Rev.1

9. Other UN Regulations

GRE will address proposals for amendments to other UN Regulations, if available.

10. Pending Amendment Proposals

GRE will recall that, at its previous sessions, it adopted draft Supplements to the 03, 04 and 05 series of amendments to UN Regulation No. 48 but decided to postpone their submission to WP.29, in order to combine them with future amendment proposals to the same series of amendments.

Documentation: ECE/TRANS/WP.29/GRE/2023/13, Informal document GRE-88-17

11. Other Business

(a) **Development of the International Whole Vehicle Type Approval**

GRE will be informed about the progress of the International Whole Vehicle Type Approval (IWVTA) and of the electronic Database for the Exchange of Type Approval documentation (DETA), including the use of DETA in the context of Unique Identifier (UI).

(b) Amendments to the Convention on Road Traffic (Vienna, 1968)

GRE will be informed about considerations of the Global Forum for Road Traffic Safety (WP.1) at its recent session and about liaison between GRE and WP.1 on common issues.

(c) Miscellaneous

GRE may also consider other issues and/or documents received after the submission of the present annotated provisional agenda.

12. Direction of Future Work of GRE

GRE will be informed about the progress of TF AVSR on the optical signals of automated driving system (ADS) vehicles. GRE will recall that, at its previous session, following the demonstration of a test vehicle equipped with integrated automated ADS marker lamps, the expert from TF AVSR pointed out that they would submit to the present GRE session an informal document addressing the colour and intensity of the ADS marker lamps, electrical connections and a switch that would deactivate the lamps in those countries which may decide not to allow ADS lamps on national roads.

13. Provisional Agenda for the Next Session

GRE may wish to provide guidance on the provisional agenda for the next session.
