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**Economic Commission for Europe****Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on Automated/Autonomous and Connected Vehicles****Nineteenth session**

Geneva, 25 June 2024

Item 1 of the provisional agenda

**Adoption of the agenda****Provisional agenda for the nineteenth session\*, \*\***

to be held at the Palais des Nations, Geneva, starting at 9:30 a.m. (CET) on Tuesday, 25 June 2024.

**I. Provisional agenda**

1. Adoption of the agenda.
2. Highlights of the March 2024 session of WP.29.
3. Artificial Intelligence in vehicles.
4. Automated/autonomous and connected vehicles:
  - (a) Informal Working Group on Automated Driving System;
  - (b) GRVA workshops;
  - (c) Deliverables of the Informal Working Group on Functional Requirements for Automated Vehicles;
  - (d) Deliverables of the Informal Working Group on Validation Method for Automated Driving;
  - (e) Deliverables of the Integration Group;
  - (f) Deliverables of the Informal Working Group on Event Data Recorder / Data Storage System for Automated Driving;
  - (g) UN Regulation No. 157;
  - (h) Coordination of work on automation between working parties (GRs):

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\* Delegates are requested to register online with the registration system <https://indico.un.org/> accessible from the UNECE website (<https://unece.org/info/events/event/389334>).

\*\* Before the session, further information and session documents may be provided online and downloaded from the UNECE Sustainable Transport Division's website (see link above). For the translation of official documents, delegates can access the public Official Document System (ODS) on the following website: [documents.un.org](https://documents.un.org) or [https://undocs.org/"symbol"](https://undocs.org/)



- (i) Fitness of UN GTRs and UN Regulations for ADS;
  - (ii) Vehicle subcategories for ADS;
  - (iii) Exchange of views on scenarios.
- (i) Other business.
- 5. Connected vehicles:
  - (a) Cyber security, software updates and over-the-air issues;
  - (b) Data protection and privacy-by-design;
  - (c) Data and vehicle communications;
  - (d) Other business.
- 6. Advanced Driver Assistance Systems and UN Regulation No. 79:
  - (a) Advanced Driver Assistance Systems;
  - (b) UN Regulation No. 79 (Steering equipment);
  - (c) Acceleration Control for Pedal Error;
  - (d) Other business.
- 7. Advanced Emergency Braking System.
- 8. UN Regulations Nos. 13, 13-H, 139, 140 and UN GTR No. 8:
  - (a) Electronic Stability Control;
  - (b) Electromechanical braking;
  - (c) Clarifications.
- 9. Motorcycle braking:
  - (a) UN Global Technical Regulation No. 3;
  - (b) UN Regulation No. 78.
- 10. UN Regulation No. 90.
- 11. Exchange of views on guidelines and relevant national activities.
- 12. Revision 3 to the 1958 Agreement:
- 13. Other business:
  - (a) Inland Transport Committee Climate Change Mitigation Strategy;
  - (b) Arrangement of meetings;
  - (c) Programme of Work;
  - (d) Any other business.
- 14. Adoption of the list of proposed decisions

## **II. Annotations and list of documents**

### **1. Adoption of the agenda**

In accordance with Chapter III, Rule 7 of the Rules of Procedure (ECE/TRANS/WP.29/690/Rev.2) 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/GRVA/2024/15

## 2. Highlights of the March 2024 session of WP.29

GRVA may wish to be briefed by the secretariat on the highlights of the March 2024 session of WP.29, regarding the activities of the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) and other relevant issues.

## 3. Artificial Intelligence in vehicles

GRVA may wish to be informed of the WP.29 discussions WP.29 on the Working Parties' input on Artificial Intelligence (AI) in vehicles (in the context of vehicle regulations).

GRVA agreed to resume consideration of ECE/TRANS/WP.29/2024/34, as amended or any other updated proposals.

**Documentation:** (ECE/TRANS/WP.29/2024/34  
ECE/TRANS/WP.29/GRVA/2023/17  
Informal document GRVA-18-04)

## 4. Automated/autonomous and connected vehicles

### (a) Informal Working Group on Automated Driving System

GRVA may wish to be briefed on the outcome of the recent meeting(s) of the Informal Working Group (IWG) on Automated Driving System (ADS).

### (b) GRVA workshops

GRVA may wish to discuss the arrangements of the GRVA workshop(s) in 2024, as agreed by WP.29 in November 2023 and by GRVA in January 2024 (ECE/TRANS/WP.29/GRVA/18, Annex III).

### (c) Deliverables of the Informal Working Group on Functional Requirements for Automated Vehicles

GRVA may wish to be briefed on the outcome of the recent meeting(s) of the IWG on Functional Requirements for Automated Vehicles (FRAV), if any.

### (d) Deliverables of the Informal Working Group on Validation Method for Automated Driving

GRVA may wish to be briefed on the outcome of the recent meeting(s) of the IWG on Validation Method for Automated Driving (VMAD), if any.

### (e) Deliverables of the Integration Group

GRVA will review the outcome produced by the Integration Group, gathering experts of the IWGs on FRAV and VMAD, aiming to deliver the integrated guidelines on ADS safety assurance for final consideration by WP.29 in June 2024.

**Documentation:** (ECE/TRANS/WP.29/2024/39)

### (f) Deliverables of the Informal Working Group on Event Data Recorder / Data Storage System for Automated Driving

GRVA may wish to be briefed on the outcome of the last meetings of the IWG on Event Data Recorder / Data Storage Systems for Automated Driving (EDR/DSSAD) and review DSSAD performance elements for ADS prepared by the group.

**Documentation:** (ECE/TRANS/WP.29/2024/33)

**(g) UN Regulation No. 157**

GRVA agreed to review the proposal for amendments to UN Regulation No. 157, tabled by the experts from France, aimed at clarifying the reference to UN Regulation No. 10 (EMC) in the regulation after the Working Party on Lighting and Light-Signalling (GRE) has completed related activities in the context of the development of a new series of amendments to UN Regulation No 10.

**Documentation:** (ECE/TRANS/WP.29/GRVA/2024/3)

GRVA agreed to review the proposal tabled by the experts from the European Association of Automotive Suppliers (CLEPA) and from the International Organization of Motor Vehicle Manufacturers (OICA), aimed at harmonizing the provisions in UN Regulations Nos. 79 and 157 with the wording in UN Regulation No. 152 (AEBS for M<sub>1</sub> and N<sub>1</sub>) on the conditions for re-instatement of the system at the “initiation of each engine start / run cycle”.

**Documentation:** ECETRANS/WP.29/GRVA/2024/16

**(h) Coordination of work on automation between working parties (GRs)**

GRVA may wish to discuss the work coordination between working parties on ADS.

*(i) Fitness of UN GTRs and UN Regulations for ADS*

GRVA may wish to be informed on the progress made by the corresponding Task Force on the Fitness for ADS (TF on FADS).

GRVA may wish to consider amendment proposals to UN Regulations Nos. 13, 13-H and 79 prepared by the Task Force.

*(ii) Vehicle subcategories for ADS*

GRVA may wish to be briefed on the progress made on the categorization of automated vehicles by the joint workshops organized with the Working Party on General Safety (GRSG) provisions.

**Documentation:** (ECE/TRANS/WP.29/GRVA/2023/28)

*(iii) Exchange of views on scenarios*

GRVA may wish to be briefed on the outcome of the workshop on scenario catalogue hosted in Paris on 6-7 May 2024.

**(i) Other business**

GRVA may wish to consider any other proposal, if available.

## **5. Connected vehicles**

**(a) Cyber security, software updates and over-the-air issues**

GRVA may wish to be briefed on the outcome of the recent meeting(s) of the IWG on Cyber Security and Over-the-Air (CS/OTA) issues.

GRVA agreed to consider an amendment proposal to the Consolidated Resolution on the construction of vehicles (R.E.3), tabled by the expert from the United Kingdom of Great Britain and Northern Ireland, aimed to clarify the provisions in Annex VII regarding software updates.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/20

GRVA agreed to resume the discussion on the inclusion of the Categories R, S and T vehicles in the scope of UN Regulation No. 155, on the basis of new documents, if any.

**Documentation:** (Informal document GRVA-17-30)

GRVA may wish to be informed on the outcome of the technical workshop(s) on the implementation of cyber security as well as on the outcome of a workshop on software updates provisions under the 1958 and 1998 Agreements, on the model of those already organized for the implementation of UN Regulation No. 155, if any.

**(b) Data protection and privacy-by-design**

GRVA will be brief on the outcome of discussions conducted by the IWG on CS/OTA regarding data protection and privacy-by-design as well as regarding access to in-vehicle data, if any.

**(c) Data and vehicle communications**

GRVA may wish to resume discussion on the challenges related to telecommunication coverage, latency and interference and more generally about vehicles communications, if any.

GRVA may wish to be briefed on the outcome of the IWG on Intelligent Transport System and its Task Force on Vehicular Communications at their recent sessions.

**(d) Other business**

GRVA may wish to consider any other proposal, if available.

## **6. Advanced Driver Assistance Systems and UN Regulation No. 79**

**(a) Advanced Driver Assistance Systems**

GRVA may wish to be briefed on the outcome of the recent meeting(s) of task force on Advanced Driver Assistance System (ADAS).

GRVA may wish to consider amendments to the UN Regulation on Driver Control Assistance Systems (DCAS).

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/23

GRVA agreed to revisit the text in para. 5.5.3.1. and to harmonize it with similar provisions as proposed in ECE/TRANS/WP.29/GRVA/2024/16.

**(b) UN Regulation No. 79 (Steering equipment)**

GRVA agreed to resume consideration of a proposal for amendments to UN Regulation No. 79, tabled by the expert from Australia, intended to facilitate a consistent approach across all Contracting Parties for Emergency Lane Keeping Systems (ELKS) covering vehicles of categories M<sub>1</sub> and N<sub>1</sub>.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/27

GRVA agreed to review the proposal tabled by the experts from CLEPA and OICA, aimed at harmonizing the provisions in UN Regulations Nos. 79 and 157 with the wording in UN Regulation No. 152 (AEBS for M<sub>1</sub> and N<sub>1</sub>) on the conditions for re-instatement of the system at the “initiation of each engine start / run cycle”.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/16

GRVA may wish to be briefed on the outcome of an industry workshop on steer-by-wire.

**Documentation:** (Informal documents GRVA-18-17 and GRVA-18-18)

GRVA may wish to consider any other amendment proposal to UN Regulation No. 79, if available.

(c) **Acceleration Control for Pedal Error**

GRVA may wish to be briefed on the outcome of the recent meeting(s) of the IWG on Acceleration Control for Pedal Error (ACPE) and consider a draft new UN Regulation on ACPE prepared by the group.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/24

GRVA may wish to resume the ACPE discussion in the context of the 1998 Agreement.

(d) **Other business**

GRVA may wish to consider any other proposal, if available.

## 7. **Advanced Emergency Braking System**

GRVA may wish to resume consideration of the proposal tabled by the expert from Germany for a new UN Regulation on Urban Emergency Braking System (UEBS), specifically for heavy vehicles travelling at low speeds and for the protection of vulnerable road users.

**Documentation:** (ECE/TRANS/WP.29/GRVA/2022/24)

GRVA agreed to resume consideration of the proposal tabled by the expert from France for a supplement to UN Regulation No. 152 (Advanced Emergency Braking System for M<sub>1</sub> and N<sub>1</sub>), aimed at allowing the use of virtual testing in the context of this Regulation.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/19

GRVA agreed to resume consideration of an amendment proposal to the scope of UN Regulation No. 131 (AEBS for heavy vehicles), tabled by the expert from Australia, to clarify requirements in the scope requesting for reciprocal recognition with UN Regulation No. 152 (Advanced Emergency Braking System (AEBS) for M<sub>1</sub> and N<sub>1</sub> vehicles). The proposal is complemented by an informal document proposing amendments to UN Regulation No. 130 for the same purpose.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/18  
Informal document GRVA-19-05

GRVA may wish to consider any other proposal, if available.

## 8. **UN Regulations Nos. 13, 13-H, 139, 140 and UN GTR No. 8**

(a) **Electronic Stability Control**

GRVA may wish to consider any proposal, if available.

(b) **Electromechanical braking**

GRVA may wish to receive a status report of the Special Interest Group (SIG) on Electro-Mechanical Braking (EMB), and review amendment proposals to UN Regulations Nos. 13 and 13-H prepared by the group.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/25  
ECE/TRANS/WP.29/GRVA/2024/26

GRVA agreed to resume consideration of the proposal by the expert from the United Kingdom of Great Britain and Northern Ireland to upgrade Annex 18 of UN Regulation No. 13, considering the development of similar annexes in UN Regulations Nos. 79, 152 and 157 in the recent years.

**Documentation:** (ECE/TRANS/WP.29/GRVA/2023/10  
Informal document GRVA-16-41)

GRVA agreed to resume the consideration of an amendment proposal to UN Regulation No. 79 aimed to clarify the provisions for full power steering systems such as steer-by-wire systems.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/28

GRVA agreed to resume consideration of the document tabled by the expert from the International Association of the Body and Trailer Building Industry (CLCCR), a proposal for a supplement to the 11 series of amendments to UN Regulation No. 13 (Heavy vehicle braking), addressing regenerative braking system of the trailer/semi-trailer.

**Documentation:** (ECE/TRANS/WP.29/GRVA/2023/3)

**(c) Clarifications**

GRVA agreed to resume consideration of a proposal for amendments to UN Regulation No. 13 (Heavy vehicle braking), tabled by the Netherlands (Kingdom of), aimed at clarifying the requirements related to the Type IIA test.

**Documentation:** (Informal document GRVA-18-10)

GRVA agreed to resume consideration of a proposal, tabled by the expert from Germany, for amendments to UN Regulation No. 13 aimed at clarifying the mass to be taken into account in the context of the Type IIA test.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/22  
(ECE/TRANS/WP.29/GRVA/2024/7)

GRVA agreed to consider a proposal tabled by the experts from CLEPA and OICA, aimed at enabling the use of a positive lock type system as an alternative to a friction type parking braking system to fulfil the statis requirements of UN Regulations Nos. 13 and 13-H.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/17

GRVA may wish to review amendments to UN Regulations Nos. 13, 13-H, 139 or 140, if available.

## **9. Motorcycle braking**

**(a) UN Global Technical Regulation No. 3**

GRVA may wish to review proposals related to UN GTR No. 3 (Motorcycle brakes), if any.

**(b) UN Regulation No. 78**

GRVA agreed to review the proposal for amendments to UN Regulation No. 78, tabled by the expert from World Bicycle Industry Association (WBIA), aimed at introducing specific deceleration requirements for the Speed Electronically Power Assisted Cycles were belonging to the Category L in UN Regulation No. 78.

**Documentation:** ECE/TRANS/WP.29/GRVA/2024/21

GRVA may wish to review any proposal for amendments to UN Regulation No. 78 (Motorcycle and Moped Braking), if available.

## **10. UN Regulation No. 90**

GRVA may wish to review other proposals for amendments to UN Regulation No. 90, if any.

## **11. Exchange of views on guidelines and relevant national activities**

GRVA may wish to receive information on national activities related to vehicle automation and connectivity, if any.

## **12. Revision 3 to the 1958 Agreement**

GRVA may wish to receive a status report on the activities of the IWG on International Whole Vehicle Type Approval (IWVTA) and subgroup activities, if any.

## **13. Other business**

### **(a) Inland Transport Committee Climate Change Mitigation Strategy**

GRVA may wish to be briefed on the outcome of the November 2023 session of WP.29 regarding the input of WP.29 on the Inland Transport Committee Climate Change Mitigation Strategy and may wish to prepare reporting activities as necessary for the purpose of WP.29 and the Inland Transport Committee.

### **(b) Arrangement of meetings**

GRVA may wish to be briefed on the input from WP.29 regarding the May 2025 session envisaged in Bangkok, Thailand.

### **(c) Programme of Work**

GRVA may wish to update its programme of work to provide guidance to the GRVA leadership team in preparation of the Administrative Committee on the coordination of work (AC.2) sessions in 2024.

**Documentation:** (Informal document GRVA-16-28/Rev.2)

### **(d) Any other business**

GRVA may wish to consider any other proposals, if available.

## **14. Adoption of the list of proposed decisions**

GRVA will amend, if necessary, and adopt the list of proposed decisions prepared by the secretariat, based on the recommendations received during the informal session held in Troy, Michigan (United States of America), 20-24 May 2024.

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