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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

Working Party on Automated/Autonomous and Connected Vehicles

Sixteenth session

Geneva, 22-26 May 2023

Item 1 of the provisional agenda

Adoption of the agenda

Provisional agenda for the sixteenth session*, **

to be held at the Palais des Nations, Geneva, starting at 2:30 p.m. (CET) on Monday, 22 May 2023.

I. Provisional agenda

1. Adoption of the agenda.
2. Highlights of the March 2023 session of WP.29.
3. Artificial Intelligence in vehicles.
4. Automated/autonomous and connected vehicles:
 - (a) Deliverables of the Informal Working Group on Functional Requirements for Automated and Autonomous Vehicles;
 - (b) Deliverables of the Informal Working Group on Validation Methods for Automated Driving;
 - (c) Deliverables of the Informal Working Group on Event Data Recorder / Data Storage System for Automated Driving;
 - (d) UN Regulation No. 157;
 - (e) Coordination of work on automation between working parties (GRs).
5. Connected vehicles:
 - (a) Cyber security and data protection;
 - (b) Software updates and over-the-air issues;

* Delegates are requested to register online with the registration system on the UNECE website (<https://unece.org/info/events/event/374929>). Information for accessing remotely the session will be provided, based on the data received via the online registrations received.

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



- (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 Brakes;
 - (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:
 - (a) Implementation of relevant provisions in Revision 3 to the 1958 Agreement;
 - (b) International Whole Vehicle Type Approval.
- 13. Other business:
 - (a) Arrangement of meetings;
 - (b) Any other business.

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/2023/7

2. Highlights of the March 2023 session of WP.29

GRVA may wish to be briefed by the secretariat on the highlights of the March 2023 session of WP.29, regarding the activities of the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) and common issues.

3. Artificial Intelligence in vehicles

GRVA may wish to review the amendments to definitions in the context of Artificial Intelligence relevant for vehicle regulations, tabled by the expert from the International Organization of Motor Vehicle Manufacturers (OICA), as well as any other input, if any.

GRVA may wish to discuss potential suggestions to the Administrative Committee on the coordination of work (AC.2).

4. Automated/autonomous and connected vehicles

(a) Deliverables of the Informal Working Group on Functional Requirements for Automated and Autonomous Vehicles

GRVA may wish to be briefed on the outcome of the recent meeting(s) of the Informal Working Group (IWG) on Functional Requirements for Automated and Autonomous Vehicles (FRAV).

(b) Deliverables of the Informal Working Group on Validation Methods for Automated Driving

GRVA may wish to be briefed on the outcome of the last meetings of the IWG on Validation Methods for Automated Driving (VMAD).

(c) 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).

(d) UN Regulation No. 157

GRVA may wish to be briefed on activities of the Special Interest Group (SIG) on UN Regulation No. 157, if any.

GRVA may wish to review the proposal for amendments to UN Regulation No. 157, tabled by the expert from the Netherlands, aimed at clarifying the reference to UN Regulation No. 10 (EMC) in line with the recommendations in ECE/TRANS/WP.29/1044/Rev.3.

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

GRVA may wish to review any other amendment proposal to UN Regulation No. 157, if available.

(e) Coordination of work on automation between working parties (GRs)

GRVA may wish to discuss the work coordination between working parties concerning Automated Driving Systems.

GRVA may wish to be briefed by the expert from France on the progress made by the task force screening the UN Regulations and UN Global Technical Regulations (of relevance) regarding Automated Driving Systems.

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

5. Connected vehicles

(a) Cyber security and data protection

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 and their review of the proposed work item on the data security of intelligent and connected vehicles.

GRVA agreed to detail the envisaged deliverables and milestones of the group for the mandate extension, including a timeline (until November 2024 and possibly beyond).

GRVA agreed to resume consideration on the inclusion of agricultural vehicles in UN Regulation No. 155.

GRVA may wish to resume consideration of the amendment proposals to UN Regulation No. 155 and its Interpretation Document, tabled by SAE International, and review the conclusion of IWG on CS/OTA on these proposals.

Documentation: (Informal document GRVA-15-18)

GRVA may wish to be briefed on the outcome of the technical workshop on the implementation of cyber security provisions under the 1958 and 1998 Agreements, on the model of those already organized for the implementation of UN Regulation No. 155.

(b) Software updates and Over-the-Air issues

GRVA may wish to consider any proposal regarding software updates and over-the-air issues, if available.

(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.

GRVA may wish to be briefed on the outcome of discussions at AC.2 and WP.29 regarding Vehicle-to-Vehicle data exchange.

(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 receive a status report of the Task Force on Advanced Driver Assistance Systems (ADAS), if any, related to the activities on the drafting of a new UN Regulation on Driver Control Assistance Systems (DCAS).

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

GRVA may wish to consider any 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), if any, related to the activities on the drafting of a new UN Regulation on ACPE.

(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 may wish 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 M₁ and N₁), aimed at allowing the use of virtual testing in the context of this Regulation.

Documentation: (Informal documents GRVA-15-19 and GRVA-15-20)

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 agreed to review the proposal for amendments to UN Regulation No. 140 (Electronic Stability Control (ESC) Systems), tabled by the expert from OICA, aimed at amending requirements for the final steering amplitude in case of front tyres saturation.

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

(b) Electromechanical brakes

GRVA will 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

GRVA may wish 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 may wish to review amendments to UN Regulations No. 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 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 the proposal for amendments to the 01 and 02 series of amendments to UN Regulation No. 90 (Replacement braking parts), tabled by the experts from Italy and the European Association of Automotive Suppliers (CLEPA). The proposal

aims at introducing amendments for caliper/ drum set packaging and at allowing, as option, to report the approved vehicles/brakes/axle information as well as fitting instructions through digital format (e.g. QR code, website).

Documentation: ECE/TRANS/WP.29/GRVA/2023/11
ECE/TRANS/WP.29/GRVA/2023/12

GRVA may wish to review alternative proposals tabled by the expert from the Federation of European Manufacturers of Friction Materials (FEMFM).

Documentation: ECE/TRANS/WP.29/GRVA/2023/13
ECE/TRANS/WP.29/GRVA/2023/14
ECE/TRANS/WP.29/GRVA/2023/15

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

(a) Implementation of relevant provisions in Revision 3 to the 1958 Agreement

GRVA will further discuss the concept “Unique Identifier (UI) summary document” related to the use of the Database of the Exchange of Type Approval documentation (DETA), which was developed by GRE and the IWG on DETA.

GRVA may wish to be briefed on the work performed by the experts from the Russian Federation, the International Motor Vehicle Inspection Committee (CITA) and CLEPA to complete the table in GRVA-15-11.

Documentation: (Informal document GRVA-15-11)

(b) International Whole Vehicle Type Approval

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) Arrangement of meetings

GRVA may wish to be briefed on the input from WP.29 regarding the envisaged organization of a combined meeting with WP.1.

GRVA may wish to discuss the organization of GRVA meetings outside of Geneva in 2024, as envisaged at the January 2023 session.

(b) Any other business

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