



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

Geneva, 24-28 January 2022

Item 1 of the provisional agenda

Adoption of the Agenda**Provisional agenda for the twelfth session*, ****

to be held at the Palais des Nations, Geneva, starting at 2.30 p.m. (CET) on Monday, 24 January 2022 and concluding on 28 January 2022.

I. Provisional agenda

1. Adoption of the agenda.
2. Highlights of the November 2021 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 on Automated Lane Keeping System;
 - (e) Other business.
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://indico.un.org/event/36287>). Information for accessing remotely the session will be provided, based on the data received via the online registrations.

** 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) 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) Review of a proposal from the IWG on Periodic Technical Inspection;
 - (b) Arrangement of meetings;
 - (c) 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 as amended) 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/2022/1

2. Highlights of the November 2021 session of WP.29

GRVA may wish to be briefed by the secretariat about the highlights of the November 2021 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 agreed to resume consideration of this agenda item based on an informal document prepared by the secretariat and the officers.

Documentation: Informal document GRVA-12-03

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).

GRVA may wish to review the draft second iteration of the New Assessment/Test Method for Automated Driving (NATM) - Master Document.

Documentation: ECE/TRANS/WP.29/GRVA/2022/2

(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 on Automated Lane Keeping System**

GRVA may wish to consider proposals for amendments to UN Regulation No. 157 (Automated Lane Keeping System).

Documentation: ECE/TRANS/WP.29/GRVA/2022/3,
ECE/TRANS/WP.29/GRVA/2022/4

(e) **Other business**

GRVA may wish to receive information about the exchange of views between the Chairs of GRVA and the Working Party on Lighting and Light-Signalling (GRE) on the coordination of work between the two working parties.

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 Cybersecurity and Over-the-Air issues.

GRVA agreed to resume consideration of the proposal for recommendations on uniform provisions concerning cyber security and software updates, tabled by the IWG.

Documentation: ECE/TRANS/WP.29/GRVA/2022/5

GRVA may wish to be informed of the outcome of workshops on the implementation of UN Regulation No. 155 (Cyber Security and Cyber Security Management System), organized by the secretariat and the National Traffic Safety and Environment Laboratory of Japan.

GRVA agreed to perform a general review of the scope of UN Regulation No. 155, and consider the vehicle categories S, R and T, as defined in the Consolidated Resolution on the construction of vehicles (R.E.3)

(b) **Software updates and over-the-air issues**

GRVA agreed to perform a general review of the scope of UN Regulation No. 156, and consider the vehicle categories S, R and T, as defined R.E.3

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

(c) Data and vehicle communications

GRVA agreed to resume the discussion on the role that GRVA may play, with regards to access to access to vehicle data.

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

(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.

GRVA may wish to review a document prepared by the task force clarifying the relationship between Automated Driving System (ADS) and ADAS.

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

GRVA agreed to resume consideration of pending amendment proposals to UN Regulation No. 79 (Steering equipment).

Documentation: ECE/TRANS/WP.29/GRVA/2022/6
(ECE/TRANS/WP.29/GRVA/2021/9,
ECE/TRANS/WP.29/GRVA/2021/10,
ECE/TRANS/WP.29/GRVA/2021/11)

(c) Other business

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

7. Advanced Emergency Braking System

GRVA may wish to receive a status report of the IWG on Advanced Emergency Braking Systems (AEBS) for M₁ and N₁.

GRVA may wish to receive a status report of the IWG on AEBS for heavy vehicles.

GRVA may wish to review proposals for amendments to UN Regulation No. 131 (AEBS)

Documentation: ECE/TRANS/WP.29/GRVA/2022/7

GRVA agreed to consider two proposal for amendments to UN Regulation No. 152 (AEBS for M₁ and N₁ vehicles), if any.

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

(a) Electronic Stability Control

GRVA agreed to resume consideration on the proposal to amend UN Global Technical Regulation (UN GTR) No. 8, aimed at introducing the testing provisions to accommodate the latest innovations for steering systems.

Documentation: ECE/TRANS/WP.29/GRVA/2022/12
(ECE/TRANS/WP.29/GRVA/2020/34
ECE/TRANS/WP.29/2020/99)

(b) Electromechanical Brakes

GRVA agreed to review a revised proposal for amendments to UN Regulation No. 13 with provisions relevant for the type approval of Electro-Mechanical Brakes (EMB), tabled by the expert from the European Association of Automotive Suppliers (CLEPA).

Documentation: ECE/TRANS/WP.29/GRVA/2022/8

(c) Clarifications

GRVA agreed to consider the document tabled by the expert from CLEPA to resolve problems with installation of stronger spring brake actuators in trailers to realize higher deceleration in the case of emergency braking caused by a cut of the supply line between towing vehicle and trailer.

Documentation: ECE/TRANS/WP.29/GRVA/2022/9

GRVA agreed to resume consideration of the document tabled by the expert from International Organization of Motor Vehicle Manufacturers (OICA), seeking clarification on the provisions introduced to paragraph 5.2.22.2.

Documentation: ECE/TRANS/WP.29/GRVA/2022/10

GRVA agreed to review an amendment proposal to the parking brake provisions in UN Regulation No. 13, tabled by the experts from CLEPA and OICA.

Documentation: ECE/TRANS/WP.29/GRVA/2022/11

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 proposals for amendments to UN Regulation No. 78 (Motorcycle and Moped Braking), if any.

10. UN Regulation No. 90

GRVA agreed to resume consideration of the proposal for amendments to UN Regulation No. 90 (Replacement brake linings, discs, and drums), tabled by the expert from Italy.

Documentation: ECE/TRANS/WP.29/GRVA/2021/29

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 will review a list of UN Regulations for which the use of the Unique Identifier should be prohibited, if available.

(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) Review of a proposal from the IWG on Periodic Technical Inspection

GRVA will resume the review the proposal from the IWG on Periodic Technical Inspection (PTI), the draft framework document on vehicle whole-life compliance, which contained definitions, a safety and environmental vision, working principles, and a whole-life compliance principles based on a risk assessment approach.

Documentation: (ECE/TRANS/WP.29/2021/148)

(b) Arrangement of meetings

GRVA may wish to be briefed on the input from WP.29 regarding the envisaged organization of a combined meeting with the Global Forum on Road Traffic Safety (WP.1).

GRVA may wish to discuss the organization of GRVA meetings outside of Geneva in 2023, as envisaged at the September 2021 session.

(c) Any other business

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