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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

Working Party on Automated/Autonomous and Connected Vehicles

Eleventh session

Geneva, 27 September - 1 October 2021 (online)

Item 1 of the provisional agenda

Adoption of the Agenda

Provisional agenda for the eleventh session*, **

to be held online, starting at 1:30 p.m. (CEST) on Monday, 27 September 2021 and concluding on 1 October 2021.

I. Provisional agenda

1. Adoption of the agenda.
2. Highlights of the June 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 ([c/](#)). Based on the registrations received information for access to the virtual meeting will be provided.

** 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"



- (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. Human rights considerations impacting GRVA activities.
- 14. Election of Officers.
- 15. Other business.
 - (a) List of priorities concerning GRVA activities;
 - (b) Framework document on automated/autonomous vehicles (FDAV);
 - (c) Review of a proposal from the IWG on Periodic Technical Inspection;
 - (d) Implementation of the Inland Transport Committee strategy 2020-2030;
 - (e) Arrangement of meetings;
 - (f) 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/2021/19

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

GRVA may wish to be briefed by the secretariat about the highlights of the June 2021 session of WP.29, regarding the activities of the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) and common issues.

Documentation: (ECE/TRANS/WP.29/1159)

3. Artificial Intelligence in vehicles

GRVA agreed to resume consideration of this agenda item on the basis of an informal document prepared by the secretariat and the officers.

Documentation: Informal document GRVA-11-03

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 note the adoption by WP.29 of ECE/TRANS/WP.29/2021/61, titled New Assessment/Test Method for Automated Driving (NATM) Master Document.

(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 agreed to review the DSSAD related provisions contained in the amendment proposal to UN Regulation No. 157, transmitted by GRVA at its May 2021 session to WP.29 for consideration and vote in November 2021.

Documentation: (Informal document GRVA-10-35)

GRVA may wish to consider proposals for amendments to UN Regulation No. 157.

Documentation: (ECE/TRANS/WP.29/GRVA/2020/32,
ECE/TRANS/WP.29/GRVA/2020/33,
ECE/TRANS/WP.29/GRVA/2021/2,
ECE/TRANS/WP.29/GRVA/2021/4)

(e) Other business

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 may wish to review a proposal for recommendations on uniform provisions concerning cyber security and software updates, tabled by the IWG.

Documentation: ECE/TRANS/WP.29/GRVA/2021/20

GRVA may wish to review other proposals for amendments to UN Regulation No. 155 (Cyber Security and Cyber Security Management System) and the corresponding Interpretation Document, tabled by the IWG.

Documentation: ECE/TRANS/WP.29/GRVA/2021/21

GRVA may wish to be informed of the outcome of the workshop on the implementation of UN Regulation No. 155, organized on 8 July 2021.

(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 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, if any.

(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/2021/7,
ECE/TRANS/WP.29/GRVA/2021/8,
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)

GRVA agreed to consider two proposal for amendments to UN Regulation No. 152 (AEBS for M₁ and N₁ vehicles) on the peak break coefficient related provisions to ensure that the adhesion of the road surface would not limit AEBS performance during tests.

Documentation: ECE/TRANS/WP.29/GRVA/2021/22,
ECE/TRANS/WP.29/GRVA/2021/23

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/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 ElectroMechanical Brakes (EMB), tabled by the expert from the European Association of Automotive Suppliers (CLEPA).

Documentation: ECE/TRANS/WP.29/GRVA/2021/24

(c) Clarifications

GRVA agreed to review an amendment proposal to the parking brake provisions in UN Regulation No. 13

Documentation: ECE/TRANS/WP.29/GRVA/2021/25

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 any proposal related to UN Global Technical Regulation (GTR) No. 3, if any.

(b) UN Regulation No. 78

GRVA agreed to review a proposal tabled by the expert from the International Motorcycle Manufacturer Association (IMMA) aimed to align UN Regulation No. 78 with the latest amendments to UN Regulation No. 13-H regarding the deceleration thresholds for the activation of the stop lamp(s) under regenerative braking.

Documentation: ECE/TRANS/WP.29/GRVA/2021/26

GRVA may wish to review a proposal for amendments to UN Regulation No. 78, tabled by the expert from IMMA, to ensure the continuity of the ASTM Method E1337 for the measurement of the peak braking coefficient (PBC) in UN Regulation No. 78, by introducing a reference to the new ASTM Standard Reference Test Tyre F2493.

Documentation: ECE/TRANS/WP.29/GRVA/2021/27

10. UN Regulation No. 90

GRVA may wish to review two proposals for amendments to UN Regulation No. 90, tabled by the expert from Italy.

Documentation: ECE/TRANS/WP.29/GRVA/2021/28
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 may wish to be briefed about 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.

(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 (I WVTA) and subgroup activities, if any.

13. Human Rights considerations impacting GRVA activities

GRVA agreed at its tenth session, following the Resolution of the Parliamentary Assembly of the Council of Europe (PACE) calling GRVA to perform a Human Rights Impact Assessment related to its activities, to collect existing material related to Automated/Autonomous and Connected Vehicles and their potential impact on Human Rights. (GRVA discussed that a compendium of existing material could be shared with the PACE).

14. Election of Officers

In compliance with Rule 37 of the Rules of Procedure (TRANS/WP.29/690 as amended), GRVA will elect the Chair and Vice-Chair(s) of the sessions scheduled for the year 2022.

15. Other business

(a) List of priorities concerning GRVA activities

GRVA may wish to define its priorities for 2022.

(b) Framework document on automated/autonomous vehicles (FDAV)

GRVA may wish to review update proposals, if any.

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

GRVA may wish to 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: (Informal document WP.29-184-10/Rev.1)

(d) Implementation of the Inland Transport Committee strategy 2020-2030

At its eighty-third session (Geneva, 23-26 February 2021), the Inland Transport Committee (ITC), amongst other issues, appraised the status of the implementation of its strategy until 2030 and the proposed future steps ([ECE/TRANS/2021/3](#)) developed in consultation with the ITC working parties, including GRVA.

The Committee decided to invite its Working Parties, supported by the secretariat, to undertake the proposed steps, and by doing so, to advance the implementation of the Strategy.

The Committee also requested that progress in executing the future steps is reported and so the status of the implementation of the Strategy is updated. Moreover, should the work done suggest it, adjustments to the implementation steps should be proposed for consideration by the Committee at its eighty-fourth session in February 2022.

GRVA may wish to provide input to the secretariat and the Chair of GRVA in response to the ITC requests.

Documentation: (ECE/TRANS/2021/3)

(e) Arrangement of meetings

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

(f) Any other business

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