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World Forum for Harmonization of Vehicle Regulations

Working Party on Automated/Autonomous and Connected Vehicles

Fourteenth session

Geneva, 26-30 September 2022

Item 1 of the provisional agenda

Adoption of the Agenda

Provisional agenda for the fourteenth session*, **

to be held at the Palais des Nations, Geneva, starting at 2:30 p.m. (CEST) on Monday, 26 September 2022.

I. Provisional agenda

1. Adoption of the agenda.
2. Highlights of the June 2022 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://indico.un.org/event/1000510/>). 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"



- (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. Election of Officers.
- 14. 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/2022/15

2. Highlights of the June 2022 session of WP.29

GRVA may wish to be briefed by the secretariat on the highlights of the June 2022 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 further consider this agenda item and to continue the development of GRVA-13-04 until its September 2022 session.

Documentation: (GRVA-13-04)

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).

GRVA may wish to review the draft amendment proposal to the Framework Document on Automated/Autonomous Vehicles (FDAV), detailing the envisaged milestones of FRAV for the extended mandate (until June 2024) and including a preview for the time beyond.

(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 amendment proposal to FDAV, detailing the envisaged milestones of VMAD for the extended mandate (until June 2024) and including a preview for the time beyond.

(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 review a proposal for amendments to the DSSAD provisions in UN Regulation No. 157, prepared by the IWG on EDR/DSSAD.

Documentation: ECE/TRANS/WP.29/GRVA/2022/16

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

(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 discuss the coordination of work between GRVA and the Working Party on Lighting and Light-Signalling (GRE) on ADS light signal provisions, if any.

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 Cybersecurity and Over-the-Air issues and their review of the proposed work item on the data security of intelligent and connected vehicles.

GRVA may wish to consider any roadmap proposal concerning the vehicle categories S, R and T with regard to UN Regulation No. 155, if available.

GRVA agreed to consider the document tabled by the expert from SAE International, an amendment proposal to UN Regulation No. 155 seeking clarification of the requirements of

Annex 5, regarding the authentication of Global Navigation Satellite System (GNSS) messages.

Documentation: ECE/TRANS/WP.29/GRVA/2022/17

GRVA agreed to consider the document tabled by the expert from SAE International, an amendment proposal to the Interpretation Document ECE/TRANS/WP.29/2022/61 (as amended by WP.29 in June 2022) for UN Regulation No. 155, seeking clarification of the requirements of paragraphs 5, 7 and 8 as well as of Annex 1 and 5.

Documentation: ECE/TRANS/WP.29/GRVA/2022/18

GRVA may wish to be briefed on the outcome of the technical workshop on the implementation of Cyber Security provisions under the 1958 and especially 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 agreed to resume consideration of a revised proposal, tabled by the expert from CITA, for the establishment of a new informal working group on the remote access to in-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.

(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/2021/9
ECE/TRANS/WP.29/GRVA/2021/10)

(c) Other business

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

7. Advanced Emergency Braking System

GRVA agreed to consider the documents tabled by the expert from the European Commission, three amendment proposals to the 00, 01 and 02 series of amendments to UN Regulation No. 152 (AEBS for M₁ and N₁), to align the performance requirements about technical progress with those of the latest series of amendments to UN Regulation No. 131 (AEBS).

Documentation: ECE/TRANS/WP.29/GRVA/2022/19
ECE/TRANS/WP.29/GRVA/2022/20
ECE/TRANS/WP.29/GRVA/2022/21

GRVA agreed to consider the proposal for a Supplement 1 to the 02 series of amendments to UN Regulation No. 131 (AEBS), tabled by the IWG on Advanced Emergency Braking System for Heavy Duty Vehicles (AEBS-HDV), introducing provisions on the system robustness and additional clarifications.

Documentation: ECE/TRANS/WP.29/GRVA/2022/22

GRVA agreed to consider the document tabled by the IWG on AEBS-HDV, an amendment proposal to the 01 series of amendments to UN Regulation No. 131, aimed to increase potential speed reduction during the warning phase.

Documentation: ECE/TRANS/WP.29/GRVA/2022/23

GRVA may wish to consider a proposal for a new UN Regulation on Urban Emergency Braking System (UEBS), specifically for heavy vehicles travelling at low speeds and the protection of vulnerable road users. With this UN Regulation, the direct vision regulation under the purview of the Working Party on General Safety provisions (GRSG) could be amended so as to have different performance criteria for vehicles equipped with this UEBS.

Documentation: ECE/TRANS/WP.29/GRVA/2022/24

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

(a) Electronic Stability Control

GRVA agreed to resume consideration of 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.29/2020/99)

GRVA agreed to resume consideration of the two alternative amendment proposals to UN Regulation No. 13, tabled by the experts from France and from the Organisation Internationale des Constructeurs d'Automobiles (OICA), aimed at including all four axles with two power-driven rear axles in the scope of the mandatory installation of a vehicle stability function.

Documentation: (Informal documents GRVA-13-23 and GRVA-13-39)

(b) Electromechanical brakes

GRVA will be briefed on informal activities related to the development on an amendment to UN Regulation No. 13 concerning the approval of 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.

(c) Clarifications

GRVA agreed to resume consideration of the amendment proposal to UN Regulation No. 140 prepared by the expert from OICA with the aim to ensure the continuity of the American Society for Testing and Materials (ASTM) Method E1337 for the measurement of the Peak Braking Coefficient (PBC) in UN Regulation No. 140, by introducing a reference to the new ASTM Standard Reference Test Tyre F2493.

Documentation: ECE/TRANS/WP.29/GRVA/2022/25

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 proposals related to UN GTR No. 3 (Motorcycle brakes), if any.

(b) UN Regulation No. 78

GRVA may wish to review the proposal for a supplement to the 05 series of amendments to UN Regulation No. 78 (Motorcycle and Moped Braking) submitted by the expert from IMMA, with the aim to further align the stop lamp signal provisions in UN Regulation No. 78 with UN Regulation No. 13-H.

Documentation: ECE/TRANS/WP.29/GRVA/2022/26

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

10. UN Regulation No. 90

GRVA may wish to review proposals for amendments to UN Regulation No. 90 (Replacement brake linings, discs, and drums), 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 will resume consideration of a preliminary version of a list of UN Regulations, under the purview of GRVA, for which the use of the Unique Identifier should be prohibited.

Documentation: Informal document GRVA-14-05

(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. Election of Officers

In compliance with Rule 37 of the Rules of Procedure (ECE/TRANS/WP.29/690/Rev.2) and as elaborated in informal document WP.29-187-18 (please also refer to ECE/TRANS/WP.29/1166, paras. 28-29), GRVA will elect the Chair and Vice-Chair(s) of the sessions scheduled for the year 2023.

14. 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 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 May 2022 session.

(b) Any other business

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