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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\*****First session**

Geneva, 25-28 September 2018

Item 1 of the provisional agenda

**Adoption of the Agenda****Provisional agenda for the first session\*\*,\*\***

to be held at the Palais des Nations, Geneva, starting at 9.30 a.m. on 25 September 2018 and concluding at 12.30 p.m. on 28 September 2018.

Note: Following the Inland Transport Committee request (ECE/TRANS/274, para. 52), WP.29 decided (ECE/TRANS/WP.29/1139, para. 33) to convert the Working Party on Brake and Running Gear (GRRF) in the Working Party on Automated/Autonomous and Connected Vehicles (GRVA). Therefore, this provisional agenda is prepared for the first session of GRVA instead of the eighty-seventh session of GRRF as originally scheduled. GRVA will have the administrative mandate of the previous GRRF, and will also assume most responsibilities from the previous GRRF as described in the provisional agenda item 3 below, subject to final endorsement by the Inland Transport Committee at its February 2019 session.

\* Formerly: **Working Party on Brakes and Running Gear (GRRF)**.

\*\* Delegates are requested to register online with the registration system on the UNECE website (<https://uncdb.unece.org/app/ext/meeting-registration?id=3co2rr>). Upon arrival at the Palais des Nations, delegates should obtain an identification badge at the UNOG Security and Safety Section, located at the Pregny Gate (14, Avenue de la Paix). In case of difficulty, please contact the secretariat by telephone (ext. 74323). For a map of the Palais des Nations and other useful information, please go to: [www.unece.org/meetings/practical.htm](http://www.unece.org/meetings/practical.htm)

\*\*\* For reasons of economy, delegates are requested to bring copies of all relevant documents to the session. There will be no documentation available in the conference room. Before the session, documents may be downloaded from the UNECE Sustainable Transport Division's website. During the session, official documents may be obtained from the UNOG Documents Distribution Section (Room C.337, third floor, Palais des Nations). For the translation of official documents, delegates can access the public Official Document System (ODS) on the following website: [documents.un.org/](http://documents.un.org/).

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## **I. Provisional agenda**

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7. Advanced Emergency Braking Systems.
8. UN Regulations Nos. 13, 13-H, 139 and 140:
  - (a) Electronic Stability Control;
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9. Motorcycle braking:
  - (a) UN Global Technical Regulation No. 3;
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10. UN Regulation No. 79.
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12. UN Regulation No. 90.
13. Revision 3 of the 1958 Agreement:
  - (a) Implementation of new provisions in Revision 3 to the 1958 Agreement;
  - (b) International Whole Vehicle Type Approval.
14. Remaining activities from the former Working Party on Brake and Running Gear (handover period):

- (a) Tyres;
  - (b) Mechanical coupling.
15. Other business.

## II. Annotations and list of documents

### A. Non-technical items

#### 1. Adoption of the agenda

In accordance with Chapter III, Rule 7 of the Rules of Procedure (TRANS/WP.29/690/Rev.1) 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/2018/1

#### 2. Election of Officers

The Working Party on Automated/Autonomous and Connected Vehicles (GRVA) may wish to elect a Chair and a Vice-Chair for the first session of GRVA.

In compliance with Rule 37 of the Rules of Procedure (TRANS/WP.29/690/Rev.1), GRVA will elect the Chair and Vice-Chair of the sessions scheduled for the year 2019.

#### 3. Highlights of the March and June 2018 sessions of WP.29

GRVA will be informed that the Inland Transport Committee (ITC), at its session in February 2018, acknowledged the importance of WP.29 activities related to automated, autonomous and connected vehicles and requested WP.29 to consider establishing a dedicated subsidiary Working Party (Groupe de Rapporteurs - GR). Following this request, WP.29, at its June 2018 session, decided to convert the Working Party on Brakes and Running Gear (GRRF) into a new Working Party "Groupe de Rapporteurs pour les Véhicules Autonomes" (GRVA) and to reallocate some former GRRF activities to other Working Parties.

GRRF activities on coupling devices such as UN Regulation No. 55 and the UN Regulation on uniform provisions concerning the approval of mechanical coupling components of combinations of agricultural vehicles adopted by AC.1 in June 2018 were passed to the Working Party on General Safety Provisions.

All GRRF activities on tyres were passed on to the Working Party on Noise (GRB)<sup>1</sup>, including UN Global Technical Regulation (GTR) No. 16 (subject to the consent of the Executive Committee of the 1998 Agreement (AC.3) to amend ECE/TRANS/WP.29/AC.3/48 with the authorization to develop amendment UN GTR No. 16) and UN Regulations Nos.:

- 30 (Tyres for passenger cars and their trailers);
- 54 (Tyres for commercial vehicles and their trailers);
- 64 (Temporary use spare unit, run flat tyres, run flat-system and tyre pressure monitoring system);

<sup>1</sup> See ECE/TRANS/WP.29/GRB/2018/5

- 75 (Motorcycle tyres);
- 106 (Tyres for agricultural vehicles);
- 108 (Re-treaded tyres for passenger cars and their trailers);
- 109 (Re-treaded tyres for commercial vehicles and their trailers);
- 117 (Tyres - Rolling resistance, rolling noise and wet grip) (whole Regulation);
- 124 (Replacement wheels for passenger cars);
- 141 (Tyre Pressure Monitoring Systems);
- 142 (Tyres installation).

The WP.29 programme of work was modified accordingly. In order to explicitly reflect the new GRB responsibilities on tyre-related issues WP.29 proposed adapting the title of GRB to Groupe Rapporteur Bruit et Pneumatiques (GRBP).

WP.29 agreed that GRVA should start functioning as soon as possible and would convene its first session in September 2018 by using the available GRRF calendar slot (25-28 September 2018). To ensure a smooth transition of tyre-related activities to GRB, the Chairs of GRB and of the former GRRF held a meeting with the secretariat on the margins of the June 2018 session of WP.29. It was agreed that, as planned, tyre-related documents would be submitted to GRVA for the September 2018 session (former GRRF) within the official deadline for that meeting. However, instead of GRVA, these documents would be considered by GRB at its September 2018 session.

GRVA may also wish to receive a brief report on relevant items and outcomes of the March and June 2018 sessions of WP.29 on other aspects that those mentioned above.

**Documentation:** ECE/TRANS/WP.29/1137  
ECE/TRANS/WP.29/1139

## **B. Exchange of views on work priorities on vehicle automation**

### **4. Exchange of views on vehicle automation related work priorities**

WP.29 reviewed informal documents WP.29-175-29 and WP.29-175-08 at its June 2018 session. The representative of the United Kingdom of Great Britain and Northern Ireland, Chair of the former GRRF, suggested at this occasion that the informal documents WP.29-175-29 and WP.29-175-08 would be among the documents that he intended to send to interested parties to have a thorough discussion on the priorities of this group prior to the GRVA session in September 2018. He added that the deliberations, on these documents, made by his group, would be annexed to the report of GRVA of the September 2018 session or be a stand-alone document for revision to the November session of WP.29/AC.3.

GRVA may wish to note that the Chair of GRRF consulted the heads of delegations of GRRF on 3 July 2018 on their views on GRVA priorities related to the following items:

- Framework Regulation on automated/autonomous vehicles;
- Track / Real World Driving Evaluation;
- Simulation / Virtual / Automated assessment;
- Longitudinal control (Adaptive Cruise Control, preventing braking);
- Transition demand (Human Machine Interface (HMI));
- Driver Availability Recognition;

- Information to the driver (HMI);
- Electronic System Compliance (Complex Electronics Development);
- Periodic Technical Inspection Provisions;
- Cyber Security;
- Software (incl. Over-the-Air) updates;
- Data Storage System for Automated Driving (DSSAD);
- Night Vision;
- Rear crossing alert;
- Door-open blind spot detection;
- Around view monitor.

GRVA is expected to provide a feedback to WP.29 and AC.3 at their November 2018 on GRVA's deliberations under this agenda item.

#### **5. Exchange of views on technology performance, innovations and relevant national activities**

GRVA may wish to receive presentations on the exchange of views and information on technology performance, innovations and relevant national activities, if available.

GRVA may wish to discuss under this agenda item any matter related to connected and or automated/autonomous vehicles that would not necessarily be related to regulatory activities, at this stage, if any.

### **C. Technical items**

#### **6. Autonomous/automated and connected vehicles**

##### *(a) Task Force on Automated Vehicle Testing and subgroups*

At its March 2018 session, the Informal Working Group (IWG) on Intelligent Transport Systems /Automated Driving (ITS/AD) discussed the need to establish a task force on Automated Vehicle Testing and subgroups. WP.29 agreed with the proposals of the IWG (ECE/TRANS/WP.29/1137, para. 30). At its June 2018, the task force reported to the IWG on its work and presented draft terms of reference. WP.29 did not endorse these terms of reference and referred them to GRVA. GRVA is requested to review the proposal for terms of reference for the Task Force on Automated Vehicle Testing and subgroups.

GRVA may wish to receive a status report from the task force and its subgroups, if any.

WP.29 welcomed WP.29-175-21 and referred it to the Task Force on Automated Vehicle Testing.

**Documentation:** ECE/TRANS/WP.29/1137, para. 30  
 ECE/TRANS/WP.29/1139, paras. 37 - 39  
 Informal document WP.29-175-21  
 Working papers Nos. ITS/AD-15-04a-Rev.1 and ITS/AD-15-04b

(b) *Cyber security and data protection*

Following the decision of WP.29 (ECE/TRANS/WP.29/1137, para. 33), the Task Force on Cyber Security and Over-The-Air issues will report to GRVA. WP.29 agreed to extend the mandate of the group until December 2018.

GRVA may wish to receive a status report of the Task Force on cyber security issues, if any.

GRVA may wish to note that WP.29 adopted a guideline on cyber security and data protection, annexed to the Consolidated Resolution R.E.3.

**Documentation:** ECE/TRANS/WP.29/78/Rev.6, Annex 6

(c) *Software updates (incl. Over-The-Air updates)*

GRVA may wish to receive a status report on software updates issues (including on Over-The-Air) issues, if any.

(d) *Automatically Commanded Steering Function*

GRVA may wish to receive a status report from the IWG on Automatically Commanded Steering Functions (ACSF) on activities related to the ACSF of Category B2.

GRVA may wish to discuss the status of Data Storage System for Automated Driving (DSSAD), to address the request of WP.29 (ECE/TRANS/WP.29/1137, para. 31).

GRVA may wish to review a proposal tabled by the expert from the International Organization of Motor Vehicle Manufacturers (OICA) and European Association of Automotive Suppliers (CLEPA) with amendments to provisions related to ACSF of Category C.

**Documentation:** ECE/TRANS/WP.29/GRVA/2018/2

(e) *Complex Electronic (CEL) control system requirements*

GRVA may wish to receive a status report from the representative of the United Kingdom of Great Britain and Northern Ireland on activities related to system reliability including considerations on Complex Electronic (CEL) control systems requirements, testing and redundancy considerations.

## 7. **Advanced Emergency Braking Systems**

GRVA agreed to review a revised proposal for the 03 series of amendments to UN Regulation No. 131 on Advanced Emergency Braking Systems (AEBS) prepared by the expert from Germany.

**Documentation:** ECE/TRANS/WP.29/GRVA/2018/4

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

**Documentation:** GRVA-01-02

## 8. **UN Regulations Nos. 13, 13-H, 139 and 140**

(a) *Electronic Stability Control*

GRVA is expected to review informal document WP.29-175-05, as requested by WP.29 at its June 2018 session.

**Documentation:** Informal document WP.29-175-05

*(b) Modular Vehicle Combinations*

GRVA may wish to consider a status report and a proposal, if any, related to the activities of the IWG on Modular Vehicle Combinations (MVC). GRVA will note that WP.29 extended the mandate of the IWG until February 2019 at its March 2017 session.

*(c) Clarifications*

GRVA is expected to review informal document WP.29-175-04, as requested by WP.29 at its June 2018 session.

**Documentation:** Informal document WP.29-175-04

*(d) Other business*

GRVA may wish to consider any other proposal for amendments to UN Regulations Nos. 13, 13-H, 139 and 140, if any.

**9. Motorcycle braking***(a) UN Global Technical Regulation No. 3*

GRVA is expected to consider a revised proposal for amendments to UN GTR No. 3 (Motorcycle braking), tabled by the expert from Italy.

**Documentation:** ECE/TRANS/WP.29/GRVA/2018/9

*(b) UN Regulation No. 78*

GRVA is expected to consider a revised proposal from the expert from International Motorcycle Manufacturers Association (IMMA) with provisions related to the stop lamp activation.

**Documentation:** (Informal document GRRF-86-35)

**10. UN Regulation No. 79**

GRVA is expected to review a revised proposal tabled by the expert from the United Kingdom of Great Britain and Northern Ireland with provisions for Remote Control Manoeuvring (RCM).

**Documentation:** ECE/TRANS/WP.29/GRVA/2018/3

GRVA may wish to review proposals for amendments to UN Regulation No. 79, if any.

**11. UN Regulation No. 89**

GRVA may wish to review proposals for amendments to UN Regulation No. 89, if any.

**12. UN Regulation No. 90**

GRVA may wish to consider a proposal tabled by the expert from Spain, leading the Special Interest Group activities on UN Regulation No. 90.

**Documentation:** (Informal document GRRF-86-41)

GRVA may wish to resume a discussion initiated at the eighty-sixth session of GRRF to clarify inconsistencies in Supplement 3 to 02 series of amendments to UN Regulation No. 90 due to the simultaneous adoption of ECE/TRANS/WP.29/

GRRF/2014/23/Rev.2 as well as ECE/TRANS/WP.29/GRRF/2015/22 and ECE/TRANS/WP.29/GRRF/2016/22 with incompatible provisions.

**Documentation:** (Informal document GRRF-86-40-Rev.1)

### 13. Revision 3 of the 1958 Agreement

#### (a) *Implementation of new provisions in Revision 3 to the 1958 Agreement*

GRVA may wish to discuss actions related to the implementation of new provisions contained in Revision 3 to the 1958 Agreement on:

- "Unique Identifier";

GRVA may wish to specify whether some regulations under its remit shall explicitly ban the use of the "Unique Identifier" as specified in Revision 3 to the 1958 Agreement.

- Approval numbers and marking;

GRVA may wish to define an action plan to align the provisions related to approval numbers and markings in line with the provisions of Schedule 4 to the 1958 Agreement.

- Transitional provisions in UN Regulations;

GRVA may wish to define an action plan to align the transitional provisions in UN Regulations in line with the provisions of the 1958 Agreement e.g. the possibility to grant type approval according to previous versions of UN Regulations.

- Article 12.6 and Schedule 7;

GRVA may wish to note the purpose of Article 12.6 and Schedule 7 with regard to the approval of innovations.

- Conformity of Production provisions.

GRVA may wish to define an action plan to align the Conformity of Production provisions in UN Regulations in line with the provisions of the 1958 Agreement (e.g. amend references in UN Regulations to refer to the appropriate provisions in force).

#### (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.

GRVA is requested to review the proposal from the IWG on IWVTA to potentially amend the approval numbering in UN Regulations Nos. 37, 90, 99, 108, 109, 117 and 128 for alignment with Schedule 4 of the 1958 Agreement.

### 14. Remaining activities from the former Working Party on Brake and Running Gear (handover period)

#### (a) *Tyres*

GRVA (former GRRF) may wish to receive a status report on the activities of the IWG on Tyres dealing with amendments to UN GTR No. 16. GRVA may wish to resume the discussion based on the memorandum prepared and presented by the expert from the Russian Federation at the eighty-sixth session of GRRF.

**Documentation:** (Informal document GRRF-86-22)

GRRF kept on its agenda ECE/TRANS/WP.29/GRRF/2016/42, ECE/TRANS/WP.29/GRRF/2016/43, ECE/TRANS/WP.29/GRRF/2017/7 with agreed

editorial corrections, awaiting more substantial amendment proposals before submission to WP.29.

**Documentation:** ECE/TRANS/WP.29/GRRF/2016/42  
ECE/TRANS/WP.29/GRRF/2016/43  
ECE/TRANS/WP.29/GRRF/2017/7

As agreed during the June 2018 session of WP.29, GRB will consider the proposal tabled by the expert from the European Tyre and Rim Technical Organisation (ETRTO) to introduce provisions in UN Regulation No. 30 related to Extended Mobility Tyres (EMT).

GRB will also consider a proposal tabled by the expert from ETRTO to introduce provisions in UN Regulation No. 64, also related to EMT.

GRB may wish to consider a proposal for amendments to UN Regulation No. 106, tabled by the expert from ETRTO.

GRB may also wish to consider a proposal for amendments to UN Regulation No. 117, also tabled by the expert from ETRTO.

**Documentation:** ECE/TRANS/WP.29/GRVA/2018/5  
ECE/TRANS/WP.29/GRVA/2018/6  
ECE/TRANS/WP.29/GRVA/2018/7  
ECE/TRANS/WP.29/GRVA/2018/8

GRRF initiated a discussion on snow tyre provisions. GRB may wish to resume this discussion on the basis of a status report from the expert of Germany on the implementation of the so-called scenario 2 as defined in GRRF-86-09.

**Documentation:** (Informal document GRRF-86-09)

(b) *Mechanical coupling*

GRRF initiated a discussion at its eighty-sixth session to clarify the provisions in Annex 5, para. 3.11. to UN Regulation No. 55.

GRRF agreed at its eighty-sixth session to review a proposal for amendments to UN Regulation No. 55 tabled by the expert from Poland.

GRVA may wish to prepare a recommendation to GRSG in order to hand over UN Regulation No. 55 without open issues.

**Documentation:** ECE/TRANS/WP.29/GRVA/2018/10  
ECE/TRANS/WP.29/GRVA/2018/11

## 15. Other business

GRVA will be informed on the expected ITC's strategy adoption in 2019.

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

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