Programme of Work of the World Forum for Harmonization of Vehicle Regulations (WP.29) and its Subsidiary Bodies

Revision 1

Note by the Secretariat*

The text reproduced below was prepared by the Secretariat for consideration by the World Forum. It takes into account the results and decisions taken at its 167th session (ECE/TRANS/WP.29/1118) and 168th session (ECE/TRANS/WP.29/1121) and the proposed agenda for its 169th session (ECE/TRANS/WP.29/1122) and updates also the information on the work of the six subsidiary Working Parties to WP.29

* In accordance with the programme of work of the Inland Transport Committee for 2016–2017 (ECE/TRANS/254, para. 159 and ECE/TRANS/2016/28/Add.1, cluster 3.1), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.
Table 1
Subjects under consideration by the World Forum (WP.29)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document symbol</th>
<th>Documentation availability</th>
</tr>
</thead>
</table>

1.1. **1958 Agreement**  
For document symbols and its availability, please refer to the agenda (1122)

1.1.1. Draft amendments to existing UN Regulations to be considered at the June 2016 session

UN Regulations Nos.:

- 9 (Noise of three-wheeled vehicles)
- 11 (Door latches and hinges)
- 13 (Heavy vehicle braking)
- 13-H (Brakes of M₁ and N₁ vehicles)
- 14 (Safety-belt, ISOFIX and i-Size anchorages)
- 16 (Safety-belts, ISOFIX and i-Size)
- 30 (Tyres for passenger cars and their trailers)
- 41 (Noise emissions of motorcycles)
- 44 (Child restraint systems)
- 49 (Emissions of compression ignition and positive ignition (LPG and CNG) engines)
- 54 (Tyres for commercial vehicles and their trailers)
- 55 (Mechanical couplings)
- 60 (Driver operated controls (mopeds/motorcycles)
- 63 (Noise emissions of mopeds)
- 64 (Temporary use spare unit, run flat tyres, run flat-system and tyre pressure monitoring system)
- 75 (Tyres for L-category vehicles)
- 78 (Braking (category L vehicles))
- 79 (Steering equipment)
- 83 (Emissions of M₁ and N₁ vehicles)
- 90 (Replacement braking parts)
- 92 (Replacement exhaust silencing systems (RESS) for motorcycles)
1.1.2. Draft New UN Regulation:
- Proposal for a new Regulation on Brake Assist Systems (BAS)
- Proposal for a new Regulation on Electronic Stability Control (ESC)
- Proposal for a new Regulation on Tyre Pressure Monitoring Systems (TPMS)
- Proposal for a new Regulation on Tyre Installation

1.1.3. Draft amendments to existing UN Regulations to be considered at the November 2016 session
- 7  (Position, stop and end-outline lamps)
- 16  (Safety-belts)
- 37  (Filament lamps)
- 44  (Child restraint systems)
- 45  (Headlamp cleaners)
- 46  (Devices for indirect vision),
- 48  (Installation of lighting and light-signalling devices)
- 53  (Installation of lighting and light-signalling devices for L3 vehicles)
- 80  (Strength of seats and their anchorages (buses))
- 83  (Emissions of M1 and N1 vehicles)
- 86  (Installation of lighting and light-signalling devices for agricultural tractors)
- 87  (Daytime running lamps)
1.1.4. Proposal for new UN Regulations to be considered at the November 2016 session

Proposal for a new Regulation on Heavy Duty Dual-Fuel Engine Retrofit Systems (HDDF-ERS)

1.1.5. Proposal for a new Consolidated Resolution to be considered at the November 2016 session

Draft Resolution on the common specification of light source categories

1.1.6. Status of the Agreement and of the annexed UN Regulations, including the latest situation report

343/Rev.24

1.1.7. Development of an International Whole Vehicle Type Approval (IWVTA) system, including the development of a new UN Regulation No. 0

1.1.8. Consideration of amendments to the 1958 Agreement.

1.1.9. Development of an electronic database for the exchange of type approval documentation (DETA)

1.2. 1998 Agreement (Global)

For document symbols and its availability, please refer to the agenda (1122)

1.2.1. Consideration of draft UN GTRs and amendments to them to be considered at the June 2016 session:

Proposal for a new UN GTR on the measurement procedure for two- or three-wheeled motor vehicles equipped with a combustion engine with regard to the crankcase and evaporative emissions;
Proposal for Amendment 1 to UN GTR No. 15 (Worldwide harmonized Light vehicles Test Procedures (WLTP))

Proposal for Amendment 1 to UN GTR No. 16 (Tyres)

1.2.2. Consideration of draft UN GTRs and amendments to them to be considered at the November 2016 session

Proposal for a new global technical regulation (UN GTR) on the measurement procedure for two- or three-wheeled motor vehicles with regard to on-board diagnostics

1.2.3. Consideration of Mutual Resolutions

Nil

1.2.4. Consideration of Special Resolutions

Proposal for Special Resolution (S.R.3);

1.2.5. Guidance for the development of UN GTRs:

Nil

1.2.6. Progress on the development of new UN GTRs and of amendments to established UN GTRs

2 (Worldwide Motorcycle emission Test Cycle (WMTC));

3 (Motorcycle braking);

4 (Worldwide Heavy-Duty Certification procedure (WHDC));

6 (Safety glazing)

7 (Head restraints);

9 (Pedestrian safety);

15 (Worldwide harmonized Light vehicle Test Procedures (WLTP) – Phase 1(b));

16 (Tyres);

Draft gtr on Electric Vehicles Safety (EVS);

Draft gtr on Quiet Road Transport Vehicles (QRTV)
<table>
<thead>
<tr>
<th>Subject</th>
<th>Document symbol</th>
<th>Documentation availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.7.</td>
<td>Exchange of views on items for new UN Global Technical Regulations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vehicle crash compatibility;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intelligent Transport Systems;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Harmonization of side impact</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electric vehicles and the environment;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specifications for the 3-D H point machine;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hydrogen and Fuel Cell Vehicles (HFCV) (Gtr No. 13) – Phase 2;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>New technologies not yet regulated.</td>
<td></td>
</tr>
<tr>
<td>1.3.</td>
<td><strong>1997 Agreement (Inspections)</strong></td>
<td>For document symbols and its availability, please refer to the agenda (1122)</td>
</tr>
<tr>
<td>1.3.1.</td>
<td>Future development of the Agreement</td>
<td></td>
</tr>
<tr>
<td>1.3.2.</td>
<td>Update of UN Rules Nos. 1 and 2</td>
<td></td>
</tr>
<tr>
<td>1.3.3.</td>
<td>Establishment of requirements for testing equipment, for skills and training of inspectors and for supervision of test centres</td>
<td></td>
</tr>
<tr>
<td>1.4.</td>
<td><strong>Miscellaneous items:</strong></td>
<td>For document symbols and its availability, please refer to the agenda (1122)</td>
</tr>
<tr>
<td></td>
<td>Exchange of information on enforcement of issues regarding defects and non-compliance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Consistency between the provisions of the 1968 Vienna Convention and the provisions of the vehicle regulations adopted in the framework of the 1958 and 1998 Agreement</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Documents for Publication</td>
<td></td>
</tr>
</tbody>
</table>
Table 2
Subjects under consideration by the Working Party on Noise (GRB)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document symbol</th>
<th>Documentation availability</th>
</tr>
</thead>
</table>

2.1. **1958 Agreement**

2.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):

- 28 (Audible warning devices).
- 41 (Noise of motorcycles): Development.
- 51 (Noise of M and N categories of vehicles):
- 59 (Replacement silencing systems).
- 92 (Replacement exhaust silencing systems for motorcycles).
- 117 (Tyre rolling noise and wet grip adhesion).

2.2. **1998 Agreement (Global)**

For document symbols and its availability, please refer to the agenda of the sixty-fourth session (GRB/2016/3)

UN GTR on Quiet Road Transport Vehicles

2.3. **1997 Agreement (Inspections)**

Nil

2.4. **Proposal for draft recommendations or amendments to existing recommendations**

Nil

2.5. **Miscellaneous items**

- Influence of road surface on tyre rolling sound emissions,
- Definitions and acronyms in UN Regulations under the responsibility of GRB
- Proposal for amendments to R.E.3
- Development of the International Whole Vehicle Type Approval (IWVTA) system

For document symbols and its availability, please refer to the agenda of the sixty-fourth session (GRB/2016/3)
### Table 3

**Subjects under consideration by the Working Party on Lighting and Light-Signalling (GRE)**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document symbol</th>
<th>Documentation availability</th>
</tr>
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<tbody>
<tr>
<td><strong>3.1. 1958 Agreement</strong></td>
<td></td>
<td>For document symbols and its availability, please refer to the agenda of the seventy-sixth session (GRE/2016/19)</td>
</tr>
</tbody>
</table>

3.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):

- 6 (Direction indicators),
- 7 (Position, stop and end-outline lamps),
- 10 (Electromagnetic compatibility),
- 19 (Front fog lamps),
- 23 (Reversing lamps),
- 38 (Rear fog lamps),
- 45 (Headlamp cleaners),
- 48 (Installation of lighting and light-signalling devices),
- 50 (Position, stop, direction indicator lamps for mopeds and motorcycles),
- 53 (Installation of lighting and light signalling devices for L3 vehicles),
- 77 (Parking lamps),
- 86 (Installation of lighting and light-signalling devices for agricultural tractors),
- 87 (Daytime running lamps),
- 91 (Side marker lamps),
- 98 (Headlamps with gas-discharge light sources),
- 112 (Headlamps emitting an asymmetrical passing-beam),
- 113 (Headlamps emitting a symmetrical passing-beam),
- 119 (Cornering lamps),
- 123 (Adaptive front lighting systems (AFS)).

3.1.2. Proposal for draft new UN Regulations:

Nil
### 3.2. 1998 Agreement (Global)

Possibility to develop further UN GTRs

### 3.3. 1997 Agreement (Inspections)

Nil

### 3.4. Proposal for draft recommendations or amendments to existing recommendations

Nil

### 3.5. Miscellaneous items

- Pending amendment proposals
- Simplification of lighting and light-signalling UN Regulations
- Amendments to the Convention on Road Traffic (Vienna 1968)
- Development of an international whole vehicle type approval (IWVTA)
- Phantom light and colour washout
- Direction for future GRE work
- Work progress of the International Automotive Lighting and Light Signalling Expert Group (GTB) task forces

For document symbols and its availability, please refer to the agenda of the seventy-sixth session (GRE/2016/19)
### Table 4

**Subjects under consideration by the Working Party on Pollution and Energy (GRPE)**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document symbol</th>
<th>Documentation availability</th>
</tr>
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<tr>
<td><strong>4.1. 1958 Agreement</strong></td>
<td></td>
<td>For document symbols and its availability, please refer to the report of the seventy-third session (GRPE/73)</td>
</tr>
</tbody>
</table>

#### 4.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):

40 (Emission of gaseous pollutants by motorcycles),
47 (Emission of gaseous pollutants of mopeds),
49 (Emissions of compression ignition and positive ignition (LPG and CNG) engines),
68 (Measurement of the maximum speed, including electric vehicles),
83 (Emissions of M₁ and N₁ vehicles),
85 (Measurement of the net power),
96 (Diesel emission (agricultural tractors))
101 (CO₂ emissions/fuel consumption)
103 (Replacement pollution control devices),
115 (LPG and CNG retrofit systems),
120 (Net power of tractors and non-road mobile machinery),
132 (Retrofit Emissions Control devices (REC)),
133 (Recyclability of motor vehicles).

#### 4.1.2. Proposal for draft new UN Regulations

Nil

#### 4.2. 1998 Agreement (Global)

2 (Worldwide motorcycle emissions test cycle (WMTC)),
4 (Worldwide harmonized Heavy-Duty Certification Procedure (WHDC)),
5 (Worldwide harmonized Heavy duty on-board diagnostic systems (WWH-OBD)),
10 (Off-Cycle Emissions (OCE)),
11 (Non-road mobile machinery engines),
15 (Worldwide harmonized Light Vehicle Test Procedure (WLTP)).

For document symbols and its availability, please refer to the report of the seventy-third session (GRPE/73)
### 4.2.1. Proposal for developing new UN Global Technical Regulations

Vehicles Interior Air Quality (VIAQ)

### 4.3. 1997 Agreement (Inspections)

Nil

### 4.4. Proposal for draft recommendations or amendments to existing recommendations

Nil

### 4.5. Miscellaneous items

- World-wide harmonized Light vehicles Test Procedure (WLTP)
- Heavy Duty Hybrids (HDH)
- Particle Measurement Programme (PMP)
- Gaseous Fuelled Vehicles (GFV)
- Environmental and Propulsion Performance Requirements (EPPR) for L-category vehicles
- Electric Vehicles and the Environment (EVE)
- Vehicle Propulsion System Definitions (VPSD)
- Fuel Quality (FQ)
- International Whole Vehicle Type Approval (IWVTA)
- Exchange of information on national and international requirements on emissions
- Vehicles Interior Air Quality (VIAQ)

For document symbols and its availability, please refer to the report of the seventy-third session (GRPE/73)
Table 5
Subjects under consideration by the Working Party on Brakes and Running Gear (GRRF)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document symbol</th>
<th>Documentation availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1. 1958 Agreement</td>
<td></td>
<td>For document symbols and its availability, please refer to the report of the eighty-first session (GRRF/81)</td>
</tr>
</tbody>
</table>

5.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):

13 and 13-H (Braking),
30 (Tyres for passenger cars and their trailers)
54 (Tyres for commercial vehicles and their trailers),
55 (Mechanical couplings),
64 (Temporary use spare unit, run flat tyres, run flat-system and tyre pressure monitoring system),
75 (Motorcycle tyres),
78 (Motorcycle braking),
79 (Steering equipment),
89 (Speed limitation devices),
90 (Replacement brake linings),
106 (Tyres for agricultural vehicles),
109 (Retreaded tyres for commercial vehicles and their trailers),
117 (Tyres - Rolling resistance, rolling noise and wet grip).

5.1.2. Proposal for draft new UN Regulations:

Tyres installation
Brake Assist Systems
Electronic stability Control

5.1.3. Vehicle automation

Remote Control Parking (RCP)
Valet Parking
Lane Keeping Assist System (LKAS)
Parking Assist Systems (PAS)
Automated Controlled Steering Function (ACSF)
### 5.2. 1998 Agreement (Global)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document symbol</th>
<th>Documentation availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 (Motorcycle braking), 16 (Tyres)</td>
<td>ECE/TRANS/WP.29/...</td>
<td>For document symbols and its availability, please refer to the report of the eighty-first session (GRRF/81)</td>
</tr>
</tbody>
</table>

### 5.3. 1997 Agreement (Inspections)
Nil

### 5.4. Proposal for draft recommendations or amendments to existing recommendations:
Nil

### 5.5. Miscellaneous items

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document symbol</th>
<th>Documentation availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intelligent Transport Systems (ITS)</td>
<td></td>
<td>For document symbols and its availability, please refer to the report of the eighty-first session (GRRF/81)</td>
</tr>
<tr>
<td>Lane keeping assist system (LKAS) and Parking assist systems (PAS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatically Commanded Steering Function (ACSF)</td>
<td></td>
<td></td>
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<tr>
<td>International Whole Vehicle Type Approval (IWVTA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modular Vehicle Combinations (MVC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exchange of views on innovations and relevant national activities</td>
<td></td>
<td></td>
</tr>
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</table>

Table 6

<table>
<thead>
<tr>
<th>Subject</th>
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</tr>
</thead>
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<tr>
<td>6.1. 1958 Agreement</td>
<td></td>
<td>For document symbols and its availability, please refer to the report of the 110th session (GRSG/89)</td>
</tr>
</tbody>
</table>

#### 6.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):

<table>
<thead>
<tr>
<th>Subject</th>
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<th>Documentation availability</th>
</tr>
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<tbody>
<tr>
<td>39 (Speedometer/odometer), 43 (Safety glazing), 46 (Devices for indirect vision), 55 (Mechanical couplings), 60 (Driver operated controls (mopeds/motorcycles)), 66 (Strength of superstructure (buses)), 67 (LPG vehicles),</td>
<td>ECE/TRANS/WP.29/...</td>
<td></td>
</tr>
</tbody>
</table>
### 6.1.2. Proposal for draft new UN Regulations:

- **Automatic Emergency Call Systems (AECS)**
- **Advanced Driver Assistance Systems (ADAS).**

### 6.2. 1998 Agreement (Global)

- Possibility to develop further UN GTRs
- 6 (Safety glazing)

### 6.3. 1997 Agreement (Inspections)

- Nil

### 6.4. Proposal for draft recommendations or amendments to existing recommendations:

- Nil

### 6.5. Miscellaneous items

- International Whole Vehicle Type Approval (IWVTA)
- Consolidated Resolution on the Construction of Vehicles (R.E.3).
- Event Data Recorder
- Three-dimensional H-point machine
Table 7

<table>
<thead>
<tr>
<th>Subject</th>
<th>Document symbol</th>
<th>Documentation availability</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>7.1. 1958 Agreement</strong></td>
<td></td>
<td>For document symbols and its availability, please refer to the report of the fifty-ninth session (GRSP/59)</td>
</tr>
<tr>
<td>7.1.1. Proposal for draft amendments to existing UN Regulations (1958 Agreement):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 (Safety-belt anchorages),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 (Safety-belts),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17 (Strength of seats),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21 (Interior fittings),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22 (Protective helmets),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25 (Head restraints),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>44 (Child restraints systems),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>80 (Strength of seats and their anchorages (buses)),</td>
<td></td>
<td></td>
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<tr>
<td>94 (Frontal collision),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 (Electric power trained vehicles)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>127 (Pedestrian safety),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>129 (Enhanced child restraint systems).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.1.2. Proposal for draft new UN Regulations:</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>7.2. 1998 Agreement (Global)</td>
<td>For document symbols and its availability, please refer to the report of the fifty-ninth session (GRSP/59)</td>
<td></td>
</tr>
<tr>
<td>1 (Door locks and door retention components),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 (Head restraints),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 (Pedestrian safety),</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.3. 1997 Agreement (Inspections)</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>7.4. Proposal for draft recommendations or amendments to existing recommendations</td>
<td>Nil</td>
<td></td>
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</tbody>
</table>
### 7.5. Miscellaneous items

Exchange of information on national and international requirements on passive safety

International Whole Vehicle Type Approval (IWVTA)

3-D H point machine

Intelligent Transport Systems (ITS)

Definition and acronyms in UN Regulations under GRSP responsibilities

For document symbols and its availability, please refer to the report for the fifty-ninth session (GRSP/59)