The Technical Regulation
Concerning Safety of Wheeled Vehicles

Adopted by the Governmental Decree № 720 of 10 Sept. 2009
Amended by the Governmental Decree № 706 of 10 Sept. 2010
Entered into force on 23 Sept. 2010

Alexey L. Rakhmanov,
Director,
Department of Automotive Industry and Agricultural Machinery

2011
Scope of the Technical Regulation: Prehistory and New Status

Prehistory based on the performance of the imported car market in 2007

**Individuals- 337,5**

- New 294,2
- Used 43,3

**Companies- 1578,3**

- Used 341,8
- New 1236,4

Extended Scope of the Technical Regulation

679,3

1236,4

36%

64%

Certificate of compliance to the Technical Regulation “About Requirements to the Emissions of Harmful (Polluting) Substances by the Automotive Vehicles Released for Operation on the Territory of the Russian Federation” (100% of the imported vehicles)

Whole Vehicle Type Approval Procedure (64 %)

(Certification Regulations in force)
Most of vehicle safety parameters are founded at design stage and implemented during manufacturing process. Such safety parameters are verified at the moment of release for free circulation. Safety parameters of vehicles in operation are also laid down at the design stage and maintained through regular servicing and control of operational condition. Safety parameters are verified regularly through periodic state technical inspection.
Objects of Regulating and Compliance Assessment Forms

Vehicle types
- Release for circulation

Vehicle components
- Release for circulation

Single vehicles (individually applied for compliance assessment)
- Release for circulation – New and used
- In operation
- In operation in case of design modification

Type approval
- Technical expertise of the design and technical inspection

Technical Inspection
- Technical expertise of the design modifications and technical inspection

Declaration of conformity or mandatory certification
Vehicle Compliance Assessment in the Form of a Type Approval

Application, technical documentation → Accredited Certification Body → Competent Administrative Department within the 1958 Geneva Agreement → Vehicle type approval document

- Analysis of the evidentiary documents, inspection of production conditions
- Approval and registration of the vehicle type approval document
- Tests
- Accredited Test Laboratory
- Technical Secretariat
- Validation of correctness of the vehicle type approval document prior to its approval
- Periodic and extraordinary inspection of the manufacturer
New in the Type Approval Procedure

- The applicant:
  - Russian manufacturer or his representative, if the vehicles are manufactured in Russia
  - Russian resident, representative of foreign manufacturer*, if the vehicles are imported to Russia

  * A foreign manufacturer may designate just one representative, who shall assume the obligation to provide for conformity of the imported product to the requirements of the Technical Regulation

- For chassis (incomplete vehicle) a chassis type approval is issued
## Enforcement Timing for New Requirements to Vehicle Types (1)

<table>
<thead>
<tr>
<th>Object</th>
<th>Document Containing Requirements</th>
<th>Enforce ment Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic stability control and brake assist systems (M1, N1)</td>
<td>UNECE R 13-H, including Suppl. 1-9</td>
<td>2014</td>
</tr>
<tr>
<td>Electronic stability control (M2, M3, N2, N3, O3, O4)</td>
<td>UNECE R 13-11</td>
<td>2016</td>
</tr>
<tr>
<td>Tyre pressure monitoring systems</td>
<td>UNECE R 64-02</td>
<td>2016</td>
</tr>
<tr>
<td>Tyre wet grip performance</td>
<td>UNECE R 117-02</td>
<td>2015</td>
</tr>
<tr>
<td>Tyre noise</td>
<td>UNECE R 117-00</td>
<td>2010</td>
</tr>
<tr>
<td>Tyre rolling resistance (stage1)</td>
<td>UNECE R 117-02</td>
<td>2017</td>
</tr>
<tr>
<td>Emissions of carbon dioxide and fuel consumption</td>
<td>UNECE R 101-00</td>
<td>2014</td>
</tr>
<tr>
<td>Daytime Running Lamps</td>
<td>UNECE R 48-04, 87-00</td>
<td>2016</td>
</tr>
<tr>
<td>Heating Systems</td>
<td>UNECE R 122-00</td>
<td>2012</td>
</tr>
</tbody>
</table>
## Enforcement Timing for New Requirements to Vehicle Types (2)

<table>
<thead>
<tr>
<th>Object</th>
<th>Document Containing Requirements</th>
<th>Enforcement Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian protection</td>
<td>GTR 9</td>
<td>2016</td>
</tr>
<tr>
<td>Door locks and door retention components (N2, N3)</td>
<td>GTR 1</td>
<td>2014</td>
</tr>
<tr>
<td>Front protection devices</td>
<td>UNECE R 93-00</td>
<td>2012</td>
</tr>
<tr>
<td>Burning behavior of materials used in the interior construction of buses</td>
<td>UNECE R 118-00</td>
<td>2014</td>
</tr>
<tr>
<td>Wheel guards, spray suppression systems</td>
<td>Technical Regulation, Annex 3, paras. 9, 10 (Harmonized with the EU Directives 78/549 and 91/226)</td>
<td>2014</td>
</tr>
<tr>
<td>Windshield defrosting, demisting, wiping and washing</td>
<td>Technical Regulation, Annex 3, paras. 7, 8 (Harmonized with the EU Directive 78/318)</td>
<td>2012</td>
</tr>
</tbody>
</table>
Single Vehicle Compliance Assessment at Release for Circulation

- The technical expertise of a vehicle is based on a visual verification
- The tests are conducted if necessary
Requirements for Single Vehicles at Release for Circulation and at Operation

- Measurements and visual verification:
  antitheft devices, heating systems, lighting, visibility, seat belts and their anchorages, seats and their anchorages, interior fittings and external projections, rear and underrun protection devices for trucks and trailers, prevention of fire risks – basing on the UNECE Regulations

- Special attention to safety of buses:
  basing on the UNECE Regulation No.107

- The requirements for periodic technical inspections have been developed. The same requirements are applied at release for circulation of single vehicles
General Compliance Assessment Procedure in the Form of the Vehicle Technical Inspection

Applicant

Territorial Division of the Road Police (Ministry of Internal Affairs)

The coupon of the state vehicle technical inspection

Designated Organization (Test Laboratory)

Inspection report - (diagnostic card)

Conducting the vehicle technical inspection
Safety Assessment
When a Vehicle Design is Modified

1. Decision of the territorial division of the Ministry of Internal Affairs on a possibility of modification of a vehicle design
2. Preliminary expertise of the proposed modification
3. Modification of the design of a vehicle - processing
4. Issuance of the declaration about works on modification of a vehicle design by the person, who made the modification
5. Technical inspection of the modified vehicle
6. Issuance of the certificate of compliance of the modified vehicle by the territorial division of the Ministry of Internal Affairs
Compliance Assessment of Components

- With respect to the components released for circulation as the aftermarket spare parts
- The allowed forms and schemes of compliance confirmation are established depending on the type of components
- The component manufacturer has the right to choose any form of compliance confirmation among those established by the Technical Regulation
- The component manufacturer has the right to issue a declaration of compliance
State Surveillance Over Observance of the Requirements of the Technical Regulation

State Surveillance

Federal Agency on the Technical Regulating and Metrology:
Vehicles and components on the market

Ministry of Internal Affairs:
Vehicles in operation
Thank you for your attention!

Ministry of Industry and Trade Website: http://minpromtorg.gov.ru