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THE DANUBE REGION TRANSPORT DAYS 2018
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(S6: Road Safety in the Danube region with focus on infrastructure, Panel on
How to set-up a national Road Safety Policy)
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Ljubljana / Slovenia

How to set-up a national Road Safety Policy in the Republic of Macedonia

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Republic of Macedonia
INTRODUCTION (ROAD NETWORK)

The road network of State Roads (motorway, national, regional and local roads) in Republic of Macedonia comprises around 14.157 km:

- motorway is 242 km (1,7%),
- national roads is 911 km (6,4%),
- regional roads is 3.771 km (26,6%) and
- local roads 9.258 km (65,3%)

The registered number of vehicles is about 440.000, the number of private cars (around 84%) prevails.

The Average Annual Daily Traffic (AADT) in 2017 is:
AADT at Corridor 10 = 7.521 vehicles and
AADT at Corridor 8 = 7.141 vehicles
INTRODUCTION (RESPONSIBLE BODIES)

**Responsible bodies for road safety in the Republic of Macedonia:**

**Government** - coordinates activities for implementation of the National Strategy for Road Safety through a National Coordination Body for road safety

**Ministry of Transport and Communications** - central and highest State body in the area of transport including road safety at national level, also responsible for technical regulations and standards for design and construction of roads and signaling.

**The Ministry of Interior** - in charge of establishing and maintaining a central registry of identified accidents. Traffic Police is responsible for law enforcement and traffic safety on the roads.
Public Enterprise for State Roads- owner of the national and regional road infrastructure, responsible for planning the construction, reconstruction, maintenance, operation and protection of the state roads, monitoring and analysis of the conditions in relation to the construction, reconstruction, maintenance and protection of the state roads.
Republic Council on Road Traffic Safety (RCRTS) – advisory body, appointed by the Assembly mainly performs transfer of information, organizes campaigns, meetings, web pages, portals and electronic forums.

Public enterprise for maintenance of public roads PE "Makedonija pat"-responsible for regular and winter maintenance of state roads, construction and installation of vertical and horizontal signaling, protection of roads.
Republic Council on Road Traffic Safety (RCRTS) has been working on creation of different actions and campaigns in order to increase the awareness of road safety in the Republic of Macedonia and to take preventive measures. Some of the campaigns are:

- Organizing and conducting a campaign for safe behaviour in traffic during the graduation nights (proms).

- Organization and implementation of the campaign “Stop for medicines in the traffic”, which goal is raising the public awareness on harmful consequences from use of medicines when driving a vehicle.
CAMPAIGNS

• The “The safety of the children in the traffic” is campaign that was created to draw attention to the most important topics in the field of the safety of the children in traffic, such as the acquisition of knowledge about the essential traffic rules and the acquisition of basic skills, of which, for this age group the most important are the proper crossing the street, the importance of using the seat belt in a vehicle and the importance of wearing reflective belts/clothes;

• Safe schools-safe children and many more.

• Internet campaign with a specific traffic rules, aimed at using the Internet space to educate the target groups for specific traffic rules and procedures.
CAMPAIGNS

• Campaigns for **improving the safety of pedestrians and cyclists** in the traffic.

• Campaign „**Drive carefully, arrive alive**“ which organizes Alco-patrols in nightclubs, bars and parties around the major Macedonian cities.
INTRODUCTION (OTHER INVOLVED BODIES)

- Ministry of Education and Science
- Ministry of Health
- Ministry of Economy
- Secretariat of European Affairs

Other organizations such as:
- Automobile and Motorcycle Association of Macedonia
- Universities
- Non-governmental organizations (NGO), etc.
Year 2017:
- The total number of road accidents = 4.019
- The number of road accidents with road deaths = 137 with 155 road deaths,
- The number of road accidents with injuries = 3.882 with 6.224 injured persons.

Year 2016:
- The total number of road accidents = 3.904
- The number of road accidents with road deaths = 152 with 165 road deaths,
- The number of road accidents with injuries = 3.752 with 5.971 injured persons

Year 2015:
- The total number of road accidents = 3.854
- The number of road accidents with road deaths = 135 with 148 road deaths,
- The number of road accidents with injuries = 3.719 with 5.913 injured persons.

In 2017 around 63% of road accidents are in urban areas, around 14% in rural areas, and 23% of road accidents are recorded on highways, national and regional road.
The statistical data about road accidents, classified by types of consequences for the years 2012 – 2017 provided by the Ministry of Interior are the following:

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>with road deaths</td>
<td>124</td>
<td>170</td>
<td>115</td>
<td>135</td>
<td>150</td>
<td>137</td>
</tr>
<tr>
<td>with injured persons</td>
<td>3,984</td>
<td>4,060</td>
<td>3,737</td>
<td>3,719</td>
<td>3,752</td>
<td>3,882</td>
</tr>
<tr>
<td>with material damage</td>
<td>3</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

![Bar chart showing the number of accidents, road deaths, injured persons, and material damage for each year from 2012 to 2017.]
Annual road traffic deaths in last five years (2012-2017)
Annual road traffic casualties (injured+deaths) in last five years (2012-2017)
Annual road traffic injured in last five years (2012-2017)
## Statistics (Accidents, Road Deaths, Injured)

### Road Deaths by Age

<table>
<thead>
<tr>
<th>2017</th>
<th>0-14</th>
<th>15-19</th>
<th>20-24</th>
<th>25-40</th>
<th>41-60</th>
<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>155</td>
<td>4</td>
<td>14</td>
<td>18</td>
<td>34</td>
<td>52</td>
</tr>
<tr>
<td><strong>Vehicles</strong></td>
<td>77</td>
<td>-</td>
<td>9</td>
<td>7</td>
<td>23</td>
<td>29</td>
</tr>
<tr>
<td><strong>Passengers</strong></td>
<td>44</td>
<td>3</td>
<td>4</td>
<td>9</td>
<td>8</td>
<td>13</td>
</tr>
<tr>
<td><strong>Pedestrians</strong></td>
<td>34</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>10</td>
</tr>
</tbody>
</table>

### Injured Persons by Age

<table>
<thead>
<tr>
<th>2017</th>
<th>0-14</th>
<th>15-19</th>
<th>20-24</th>
<th>25-40</th>
<th>41-60</th>
<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>6.224</td>
<td>653</td>
<td>592</td>
<td>841</td>
<td>1.992</td>
<td>1.717</td>
</tr>
<tr>
<td><strong>Vehicles</strong></td>
<td>2.861</td>
<td>52</td>
<td>199</td>
<td>403</td>
<td>1.150</td>
<td>910</td>
</tr>
<tr>
<td><strong>Passengers</strong></td>
<td>2.443</td>
<td>377</td>
<td>302</td>
<td>384</td>
<td>691</td>
<td>561</td>
</tr>
<tr>
<td><strong>Pedestrians</strong></td>
<td>914</td>
<td>223</td>
<td>90</td>
<td>54</td>
<td>148</td>
<td>245</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td>6</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>
STATISTICS (ACCIDENTS, ROAD DEATHS, INJURED)

Summary of number of road accidents, road deaths and injured persons per 100,000 habitants in the period 2012 - 2017

<table>
<thead>
<tr>
<th>Year</th>
<th>per 100,000 habitants</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>accidents</td>
</tr>
<tr>
<td>2012</td>
<td>199.3</td>
</tr>
<tr>
<td>2013</td>
<td>205.5</td>
</tr>
<tr>
<td>2014</td>
<td>176.5</td>
</tr>
<tr>
<td>2015</td>
<td>176.2</td>
</tr>
<tr>
<td>2016</td>
<td>178.5</td>
</tr>
<tr>
<td>2017</td>
<td>183.7</td>
</tr>
</tbody>
</table>
Main reasons for road accidents with severe consequences in the period 2012 - 2017

<table>
<thead>
<tr>
<th>YEAR</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speeding</td>
<td>863</td>
<td>929</td>
<td>830</td>
<td>788</td>
<td>820</td>
<td>759</td>
</tr>
<tr>
<td>Disrespecting the right-of-way</td>
<td>602</td>
<td>652</td>
<td>671</td>
<td>608</td>
<td>572</td>
<td>574</td>
</tr>
<tr>
<td>Improper driving and turning</td>
<td>435</td>
<td>480</td>
<td>474</td>
<td>447</td>
<td>391</td>
<td>462</td>
</tr>
<tr>
<td>Pedestrian mistakes</td>
<td>200</td>
<td>189</td>
<td>159</td>
<td>161</td>
<td>161</td>
<td>101</td>
</tr>
<tr>
<td>Wrong-way and wrong-side driving</td>
<td>649</td>
<td>682</td>
<td>577</td>
<td>539</td>
<td>441</td>
<td>462</td>
</tr>
<tr>
<td>Improper overtaking</td>
<td>192</td>
<td>183</td>
<td>151</td>
<td>150</td>
<td>134</td>
<td>121</td>
</tr>
<tr>
<td>Driving under influence of alcohol</td>
<td>138</td>
<td>144</td>
<td>86</td>
<td>123</td>
<td>332</td>
<td>300</td>
</tr>
<tr>
<td>Other</td>
<td>1032</td>
<td>977</td>
<td>905</td>
<td>1038</td>
<td>1020</td>
<td>1211</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4,111</strong></td>
<td><strong>4,236</strong></td>
<td><strong>3,853</strong></td>
<td><strong>3,854</strong></td>
<td><strong>3,871</strong></td>
<td><strong>3,990</strong></td>
</tr>
</tbody>
</table>
The Government of the Republic of Macedonia (particularly Ministry of transport and communications MoTC) has strong commitment for improving the overall safety system comprising all transport modes. Safety standards will be oriented towards EU best practices.

Safety and personal security concerns associated with transport will be addressed in order to improve the quality of life of the citizens.

The Government welcomes active participation of all road users, as well as participation of all affected target groups in terms of safety in transport in the process of improving the safety regulations and in the process of monitoring and evaluation.
LEGISLATION

The applicable national laws treating road safety are:

• Law for Public Roads
• Law for Road Traffic Safety
• Law for Construction
• Law on Transportation
• Law on Transportation of Dangerous Goods
• Law on Vehicles
• Law on insurance in the traffic
• Law on spatial and urban planning etc.

In July 2015 the Law for Public Roads was amended in terms of introducing the RSA and RSI which will be applicable from the accession of the Republic of Macedonia in the European Union (this will be amended).
STRATEGIES

Road safety strategy

Republic Council on Road Traffic Safety (RCRTS) is in charge for preparing and publishing of the Road Safety Strategies:
- First national road safety strategy 2010-2015
- Second national strategy of the Republic of Macedonia for promotion of the road traffic safety 2015 – 2020;
- The strategies were adopted by the Assembly of the Republic of Macedonia.

National Transport Strategy-NTS (2018-2030)

➢ Overall objectives of the NTS:

The overall objective of the National Transport Strategy is to develop a harmonised transport sector that is internationally compatible and integrated in the TEN-T system that stimulates the economic and social development of the country, preserves the environment, and secures the needs of future generations.

➢ The General objectives:

GO1: Strengthen EU integration and promote regional cooperation (International dimension of all transport modes)
The General objectives (cont.):

GO2: Contribute to the improvement of the economic sustainability at the national level (National dimension of all transport modes & urban transport)

GO3: To introduce green mobility and logistic focused to environmental performance of the Transport sector (all transport modes & urban transport)

GO4: Establishment of reliable and safe transport system (all transport modes & urban transport)

Under GO4: there are 3 Specific objectives:

4.1. Improve transportation safety (all modes)

4.2. Improvement of road traffic and infrastructure safety (incl. Urban transport safety)

4.3. To introduce IT technologies and Implementing Intelligent Transport Systems (ITS) in the transport sector (all modes);
High number of road traffic deaths and serious road traffic injuries is a major problem causing unacceptable human suffering and significant economic loss.

Updating the Road safety strategy and action plan would be an effective tool for better road safety management. The government commits to adopting aspirational targets for halving the number of fatal and serious road traffic injuries from 2020 to 2030, in line with the fatality and injury targets applied in the EU and at the UN level, and adopts the necessary complementary measures to reach these targets.

Considering the importance of guaranteeing the safety of road and transport, most policy, operation and services safety measures (i.e. road safety inspections and audits; set up a coordination mechanism between police forces and justice ensuring the full implementation and strict enforcement of road safety legislation, updating road safety strategies and formulation of an action plans, improving the quality of systematic and consolidated data collection on road traffic deaths and serious road injuries in line with existing EU standards and definitions-CARE data model, and increased safety awareness) are to be realized in the short to mid term future, with the firm commitment for the measures and initiatives being operational in the next four years.
Main reasons for introducing the Executive body (Lead Agency):

- Facts and figures presented above in terms of the overall effectiveness and efficiency of the road safety system in the Republic of Macedonia
- Reports from World Bank requested from the Republic of Macedonia in terms of expertise and assistance for the establishment of a more effective system for the management of road safety in the Republic of Macedonia,

Results and next steps:

- Proposal of the Ministry of transport and communications-MoTC in form of an information note adopted by the Government of the Republic of Macedonia, a proposal for establishing an Executive body (Lead Agency) that will have ultimate responsibility for improving road safety situation in country.
- Established Working Group-WG from all relevant stake holders-Decision from the Minister of transport and communications. (lengthy and not so effective process)
- MoTC submitted an application to DG NEAR within the CONNECTA (a new mechanism for supporting the reform measures for improving the connectivity in the region) with a request for "Technical Assistance for the Establishment of an Executive Body for Road Traffic Safety".
- It is envisaged that the technical assistance will be in the form of experts in this area that will support the established working group in terms of:
  - a concrete proposal for establishing an executive body for traffic safety management;
  - draft systematization of the proposed executive body for traffic safety management;
  - draft budget for the executive body for traffic safety management;
  - means of financing the executive body for traffic safety management;
  - analysis of the necessary legal changes to the relevant regulations (laws and bylaws)
Projects in relation to improvement of road safety:

✓ Preparation of Study and Action plan for improvement of road safety along SEETO Comprehensive Network (IPA I)
✓ Projects for improvement of Road safety under IPA II
✓ iRAP and Rad Safety Assessment Program

✓ Reconstruction and placement of traffic signs and road markings on certain interchanges along Corridor X

➢ Procurement of RAMS Software, Road Measurements and Consultancy Services
System for Monitoring and Management of lighting has been tailored for the exiting lighting infrastructure on the intersection, state roads, bypass, tunnels and etc. and implementation of energy efficient lighting.

International Road Safety Advisor to provide Technical Assistance to Public Enterprise for State Roads, with the main 3 tasks:

1. **Task 1** - Advisory services to establish a Road Safety Unit (RSU) in PESR and provide staff on the job training;
2. **Task 2** - Prepare road safety audit (RSA) guidelines and manual and carry out on-the-job capacity building in PESR to consider road safety recommendations;
3. **Task 3** - Advisory service to support PESR’s efforts to develop a nation-wide road safety program including the identification of black spots.
Thank you for your attention!

Darko Miceski
Ministry of transport and communications
Republic of Macedonia