Road Traffic Safety and Decade of Action (2011-2020) in Turkey

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TURKISH NATIONAL POLICE
74.7 million Population
$15.392 US Gross National Product per Capita
$10 billion US Socio-economic cost of road crashes (Average)
65,049 km Road network (country roads not included)
%90 Freight and passenger transportation by road (Average)
80.2 Billion vehicle-km
16,398,505 Registered motor vehicles
900,000 Annually new registered motor vehicles (Average)
22,905,064 Drivers (%20 Women)
1 Million Annually New Drivers (Average)
23,761 Traffic Personnel
TURKISH NATIONAL POLICE, DIRECTORATE OF TRAFFIC SERVICES;

- 2,119 km. Highways, 30,901 km. State Roads, 4,598 km. Provincial Roads totally 31,558 km. road in police territory
- Every year approximately 1 million Driver’s License and 2.6 million vehicle registration procedures,

Enforcement duties are carried out in:

- 1,254 Traffic Divisions with
- 4,795 Police Cars and
- 23,761 Traffic Personnel
### Regional Traffic Organizations

<table>
<thead>
<tr>
<th>Organization</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Departments of Traffic Registration</td>
<td>19</td>
</tr>
<tr>
<td>Departments of Traffic Registration and Control</td>
<td>62</td>
</tr>
<tr>
<td>Departments of Traffic Control</td>
<td>19</td>
</tr>
<tr>
<td>Departments of Provincial Traffic Control</td>
<td>81</td>
</tr>
<tr>
<td>District Traffic Control and Registration Offices (in towns)</td>
<td>485</td>
</tr>
<tr>
<td>Provincial Traffic Control Stations</td>
<td>161</td>
</tr>
<tr>
<td>District Traffic Control Offices (in small towns)</td>
<td>391</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,218</strong></td>
</tr>
</tbody>
</table>

### Central Organizations

- Directorate of Traffic Control and Enforcement
- Directorate of Traffic Planning and Support
- Directorate of Traffic Education and Research
- Directorate of Traffic Research Center
In Turkey, road traffic accidents kill 3.835 people and injure or disable 238.074 people on the average of last ten years.
In 2011, 110,426 accidents with fatalities or injuries occurred in Police Territory; in these accidents, 2,568 people passed away at the accident spot, 193,096 people injured or disabled.

<table>
<thead>
<tr>
<th>Accident Figures</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Urban Area</td>
<td>Out of UA</td>
<td>Total</td>
</tr>
<tr>
<td>TOTAL</td>
<td>70.010</td>
<td>21.729</td>
<td>91.729</td>
</tr>
<tr>
<td>Fatal RTAs</td>
<td>1.027</td>
<td>1.296</td>
<td>2.323</td>
</tr>
<tr>
<td>RTAs with Injuries</td>
<td>68.983</td>
<td>20.423</td>
<td>89.406</td>
</tr>
<tr>
<td>Fatalities</td>
<td>1.211</td>
<td>1.782</td>
<td>2.993</td>
</tr>
<tr>
<td>Injured</td>
<td>110.934</td>
<td>50.785</td>
<td>161.719</td>
</tr>
</tbody>
</table>
## CAUSES OF ACCIDENTS

Five Traffic Rules Violated at most By Road Users in 2011

<table>
<thead>
<tr>
<th>Causes of Accidents</th>
<th>Violation Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Failure to adjust the speed to the road conditions</td>
<td>%32</td>
</tr>
<tr>
<td>Failure to obey the junction rules</td>
<td>%16</td>
</tr>
<tr>
<td>Failure to obey the turning right, left, back and round about rules</td>
<td>%15</td>
</tr>
<tr>
<td>Tailgating</td>
<td>%10</td>
</tr>
<tr>
<td>Failure to general condition that regulates manoeuvre</td>
<td>%6</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>%79</strong></td>
</tr>
</tbody>
</table>
After a long evaluation period of road safety situation in Turkey, Ministry of Interior has initiated a new traffic safety project to make Turkey’s roads safe on 01 January 2008.

The project named “New Approaches, Targets And Solutions on Road Traffic Safety” is an umbrella project and has six main pillars.
Training of Enforcement Personnel
Education of Road Users
Control of Road Users
Equipment Supply for Police
Public information via Mass Media
Declaration of the result of projects
Appreciation of Personnel
Computerization of registration procedures
Evaluation of RTAs with only material damage
Re-organization of traffic services
Improving Speed Trap Systems

EDUCATION
ENFORCEMENT
SUPPORT FOR TRAFFIC SERVICES
INFORMATION
MOTIVATION OF PERSONNEL
PROJECTS ON LEGISLATIVE MATTERS

Republic of Turkey
Ministry of Interior

New Approaches, Targets and Solutions on Road Traffic Safety Project

Turkish National Police
25.09.2012
THREE YEARS AFTER INITIATING THE TRAFFIC SAFETY PROJECT “NEW APPROACHES, TARGETS AND SOLUTIONS ON ROAD TRAFFIC SAFETY” AND SUPPORTING IT WITH MORE ENFORCEMENT, MORE EDUCATION, BETTER ENGINEERING AND EFFECTIVE EMERGENCY MEASURES; WE HAD QUITE IMPRESSIVE RESULTS.

AT THE END OF 2011;

- Reduction of the number of fatal RTA’s % 24
- Reduction of fatalities % 22
This project has been reorganized, updated and prepared as the Action Plan of Turkey between 2011-2020.

In the Action Plan, our ultimate goal is to contribute the recommendation of United Nations to reduce by half the total number of casualties on our highways roads by 2020.
The following institutions and organizations will be involved in studies to be carried out:

- Turkish National Police
- Ministry of Transport
- General Directorate for Highways
- General Directorate for Land Transportation
- Ministry of National Education
- Ministry of Health
- Ministry of Industry
- World Health Organization
- Turkey Drivers and Automobile Owners Federation
- Metropolitan Municipalities
- Governorates
- TSE (Turkish Standards Institution)
- Turkish Radio and Television Association (TRT)
- Ministry of Food, Agriculture and Livestock
- Ministry of Culture and Tourism
- Presidency of General Staff
- Turkish Statistics Institute
- General Directorate of the Disabled and Elderly
• Ministry of Justice
• Ministry of Science, Industry and Technology
• Ministry of Labor and Social Security
• Ministry of Environment and Urban Planning
• Ministry of Development
• Ministry of Finance
• Ministry of Customs and Trade
• Ministry of Forest and Water Affairs
• Ministry of Transportation, Maritime Affairs and Communication
• Gendarmerie General Command
• General Directorate of Local Administrations
• General Directorate of Press and Information
• Supreme Board of Radio and Television
• Presidency of Religious Affairs
• General Directorate of Civil Aviation
• Turkish State Railways
• General Directorate of Provincial Administration
• YÖK (High Council of Education)
• Presidency of Police Academy
• TÜBİTAK (Turkish Scientific and Technological Research Institution)
• Turkish Association of Municipalities
Traffic Boards in Turkey

There are three acting councils regarding road safety;

- Road Traffic Safety Council under the presidency of Deputy Director General of TNP,
- High Council of Road Safety under the presidency of Prime Minister,
- Council of Coordination for Decade of Action (2011-2020) under the presidency of Minister of Interior.
With the presidency of Prime Minister, a new era in Turkey began through High Council of Road Safety was held on May 30, 2012. The following decisions were taken unanimously:
Decisions: High Council of Road Safety

- Administrative
  - Following the execution of Action Plan 2011-2020 under the coordination of Prime Ministry
  - Establishing a Traffic Safety Training Centre where national and international studies, advanced and safe driving methods and such in-services trainings are given
  - Because of the negative effect to traffic safety, reviewing the regulations of withdrawing old cars from traffic
  - Carrying the required studies for becoming law of the draft law concerning the amendment in Road Traffic Law no. 2918
  - Reconstructing driver education and examination system in order to raise more qualified drivers

TURKISH NATIONAL POLICE 25.09.2012
Decisions: High Council of Road Safety

Educational

- Compulsory establishing of children education parks
- Beginning the probationary driver system
- Increasing the number of undergraduate and graduate programs in the universities

Substructural

- Preparing urban transportation plans in harmony, giving pedestrian and cyclists priority
- Observing the needs of the disabled in substructure studies
- Establishing heliports in provinces and road sides where ambulance helicopters can intervene a crash immediately
- Making using of “winter tires” compulsory in scope of seasonal and regional conditions
Decisions: High Council of Road Safety

Enforcement

- Widening Electronic Enforcement Systems on roads
- Increasing the number of volunteer traffic inspectors
- Performing necessary studies in order to widen Intelligent Transportation Systems by the ministries and municipalities
Decisions: ACTION PLAN (2011-2020)

**Administrative - 2015**
- Reaching the standards defined by the EU acquis with the changes in theoretical and driving trainings through regulating the legislation about the Vehicle Driving Courses.
- Planning to raise expert personnel in crash investigation, harmonize crash analyze methods with EU standards and establishing Traffic Police Crash Scene Teams.

**Administrative – 2020**
- Theoretical and practical driving lessons shall be applied more efficiently for the training of drivers by performing structural innovations.
- It is aimed to give training to %50 of traffic police compared to the rate achieved in 2015.
Aiming to give %75 of elementary and secondary students and %50 of teachers, parents and shuttle drivers traffic and first aid education through campaigns, projects, course, club activities and other school activities.

Increasing the quality of education and raise the average 1 million 200 thousand educated road user by %50.

Aiming to give %100 of elementary and secondary students and %80 of teachers, parents and shuttle drivers traffic and first aid education through similar activities.

It is aimed to raise the average road user by %25, compared to the year 2015.
Planning to give in service training in accordance with the updated programs towards the needs.

Planning to increase awareness for the private soldiers giving at least one session of training on traffic safety.

It is planned to widen the same application with the same target.
Substructural – 2015

- Improving all of the accident black spots and spots potentially high in accidents in scope of Investment Program
- Aiming to provide the standards for the accessibility of level crossings in places opened to pedestrians
- Planning to establish 3 of the 18 Centre of Traffic Management Systems
- Planning to build suitable park sides and safe transit points for land ambulances in highways

Substructural – 2020

- Further improving all of the accident black spots and spots potentially high in accidents in scope of Investment Program
- Aiming to make necessary regulations of the %100 of level crossings, and provide the standards for the accessibility of level crossings in places opened to pedestrians
- It is planned to establish 18 of all 18 Centre of Traffic Management Systems as planned

TURKISH NATIONAL POLICE
25.09.2012
Decisions: ACTION PLAN (2011-2020)

**Enforcement – 2015**

- Decreasing speed violations by increasing %15 of speed enforcement
- Aiming to decrease drunk driving through deterrent precautions by increasing %20 of alcohol enforcement
- Increasing seat belt use to %70 in urban and %90 in suburban,
- Increasing the enforcement of child protection systems by %20

**Enforcement – 2020**

- Decreasing speed violations by increasing %15 of speed enforcement compared to 2015
- Aiming to minimize drunk driving by increasing alcohol enforcement %25 compared to 2015
- Aiming to increase the rate of seat belt use %80 in urban and %100 in suburban
- Increasing the enforcement of child protection systems by %50
Decisions: ACTION PLAN (2011-2020)

**Enforcement – 2015**
- Aiming to increase using of helmet by increasing %30 enforcement of motorcycle/moped drivers
- Aiming to decrease violations through increasing the enforcement of using cell phones while driving
- Aiming that 20 million vehicles will be enforced for their weights and sizes on road side enforcement stations in 2015
- Aiming to inspect at least 70 vehicle or component manufacturers per year

**Enforcement – 2020**
- Becoming a pattern of using helmet by increasing the enforcement of motorcycle/moped enforcement by %30 compared to 2015
- Minimizing the violations through increasing the enforcement of using cell phones while driving by %30 compared to 2015
- It is aimed that 30 million vehicles will be enforced on road side enforcement stations
- It is aimed to inspect at least 100 vehicle or component manufacturers per year
Decisions: ACTION PLAN (2011-2020)

- Increasing awareness in elementary and secondary schools
- Catching EU standards in driver education
- Extending first aid training
- Increasing driver and pedestrian education
- Enhancing the facilities of traffic police and gendarmerie traffic personnel
- Giving traffic education to the ones serving military service
- Increasing traffic enforcement
- Monitoring the using of drugs and pleasure giving substances in drivers
- Making using of winter tires compulsory
- Making traffic tickets deterrent
- Extending electronic enforcement systems
Decisions: ACTION PLAN (2011-2020)

- Increasing the efficiency of enforcement through voluntary traffic inspectors
- Giving other police branches the authority of detecting the violation
- Increasing vehicle and road safety
- Providing the conformity of access of the public transportation
- Increasing the number of divided roads
- Improving the conditions of accident black spots
- Improving the conditions of level crossings

TURKISH NATIONAL POLICE  25.09.2012
Council of Coordination for Decade of Action

Council of Coordination was established under the circular of Prime Ministry in order to provide cooperation among institutions under the presidency of Minister of Interior.

Its aim is;
- To organize studies for administrable and legal regulations
- To advise preventions for traffic safety
- To evaluate the strategy and action plan and to make changes in the strategy and action plan when required.
ENFORCEMENT ACTIVITIES FOR ROAD USERS IN TURKEY
In 2011, 18,128,683 vehicles and drivers were controlled 80,494,860 times for different reasons.

<table>
<thead>
<tr>
<th>CONTROLS OVER VEHICLES AND DRIVERS</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>DWI (ALCOHOL)</td>
<td>10,710,767</td>
</tr>
<tr>
<td>SPEED</td>
<td>1,523,360</td>
</tr>
<tr>
<td>OVER LOAD (GOODS)</td>
<td>5,351,553</td>
</tr>
<tr>
<td>TALKING ON THE PHONE</td>
<td>2,043,817</td>
</tr>
<tr>
<td>SEAT BELT</td>
<td>8,309,101</td>
</tr>
<tr>
<td>OVER LOAD (PASSANGER)</td>
<td>2,942,401</td>
</tr>
<tr>
<td>HELMET</td>
<td>487,929</td>
</tr>
<tr>
<td>ASSIST. PERSONEL IN SCHOOL BUSES</td>
<td>202,150</td>
</tr>
<tr>
<td>TACOGRAPh</td>
<td>7,249,584</td>
</tr>
<tr>
<td>RED LIGHT VIOLATION</td>
<td>520,457</td>
</tr>
<tr>
<td>OTHERS</td>
<td>41,153,741</td>
</tr>
</tbody>
</table>
BECAUSE OF DIFFERENT VIOLATIONS, 8,727,014 TRAFFIC TICKET ISSUED IN 2011.

<table>
<thead>
<tr>
<th>TYPE OF VIOLATION</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>DWI(ALCOHOL)</td>
<td>110,491</td>
</tr>
<tr>
<td>Excessive Speed</td>
<td>1,368,621</td>
</tr>
<tr>
<td>Over Load</td>
<td>33,597</td>
</tr>
<tr>
<td>Talking on the phone</td>
<td>175,200</td>
</tr>
<tr>
<td>Failure to Use Seat Belt</td>
<td>328,965</td>
</tr>
<tr>
<td>Over Load (passenger)</td>
<td>133,152</td>
</tr>
<tr>
<td>Helmet</td>
<td>74,511</td>
</tr>
<tr>
<td>Tacograph</td>
<td>99,417</td>
</tr>
<tr>
<td>Red light Violation</td>
<td>491,812</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Fine</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Driver</td>
<td>4,493,868</td>
</tr>
<tr>
<td>To Lisence Number</td>
<td>4,220,838</td>
</tr>
<tr>
<td>To Pedestrians</td>
<td>12,308</td>
</tr>
</tbody>
</table>
SPEED ENFORCEMENT

Speed violations 32% of all road crashes’ causes

Speed enforcement targets

Increasing the ratio of checks among all traffic police controls

Increasing number of video-camera radar equipped vehicles

In 2011 1,368,621 drivers were fined for violation of legal speed limits.
Driving under the influence of alcohol 2% of all road crashes’ causes

In 2011, 10,710,767 drivers were tested, 110,491 results were positive and the drivers were fined.
Red light violations

3 % built-up road crashes occurred because of red light violations

16 % built-up road crashes occurred because of violating right of way rules

For this reason, in 2011, 520,457 driver were controlled and fined because of red light violations and failure to obey the traffic signs.
Seat Belt

- 14 Killed / 1000 Drivers Fastened SB
- 83 Killed / 1000 Drivers Unfastened SB
- Compliance Makes The Fatality Risk Decrease 43%-65% (WHO)

8,309,101 driver or passenger were controlled, 328,965 were fined in 2011.
Police enforcement applications are digitalised and directly transferred to Enforcement Database.

Enables to have a knowledge and control on enforcement activities, road user behaviors and decision making/planning.

Crash spot coordinates are filled on “traffic crash report” by police and transferred to digital maps.

Enables to focus law enforcement on hot spots and decision making, also to rehabilitate black spots in coordination with relevant authorities.
EDUCATIONAL ACTIVITIES FOR ROAD USERS IN TURKEY
As Turkey, we carry out some activities for road safety education;

Our aims are:

✔ To support road users to improve their behaviours in a positive manner,

✔ To inform the public about risks and rules of road traffic,

✔ To create public awareness about road safety.
Organization of:
- Road Safety Campaigns,
- Open Contests About Traffic,
- Road Safety Seminars and Symposiums
- Meetings with Drivers of Commercial Vehicles and Relevant NGO’s,

Preparation of:
- TV Series and Short Films on Traffic Safety,
- Radio and TV Programs,
- Banners, Brochures and Booklets
In order to support road users to change their behaviors in the right way, inform people about rules and risks of traffic and create public awareness, we carried out ‘Road Safety Campaigns’ on 6 different topics in 2010 and 2011.

<table>
<thead>
<tr>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian Safety</td>
<td>Risks of Using Cell Phone while Driving</td>
</tr>
<tr>
<td>Prevention of Excessive Speed</td>
<td>Risks of DWI</td>
</tr>
<tr>
<td>Prevention of Red Light Violations</td>
<td></td>
</tr>
<tr>
<td>Seat Belt and Helmet Usage</td>
<td></td>
</tr>
</tbody>
</table>
For providing a safer traffic environment for public, we organized making thematic short film, finding best safety slogan and designing best poster and logo (emblem) contests in 2010 and in 2011. The topics were speeding, tailgating, seat belt usage, traffic signs and signals, pedestrian safety, DWI, using cell phone while driving and fatigue. The winners of the contests were rewarded.
The first week of May is Road Safety Week in Turkey. In this week, many different activities about road safety are carried out all around Turkey every year.
In traffic safety week of 2012, for handling and analyzing all aspects of traffic safety problem at the academic level, we carried out a ‘Road Traffic Safety Symposium and Fair’ with the attendance of road safety experts of Police, universities, NGO’s and other relevant institutions.
In 2009 and 2010, TV Series composed of 26 episodes called "RED LIGHT" were prepared and broadcasted on national TV channels.

DVD’s of the film were delivered to local traffic departments as a training material of road users’ educations,

Also, it can be watched on www.trafik.gov.tr web site.
Short films about road safety were prepared. In these films, famous politicians, actors, actresses and sportsmen took scene and the films have been broadcasted on national or local TV stations.
One of the best ways to reach public is to use mass media such as radio and TV networks. Therefore, we prepare radio programmes about traffic safety subjects in coordination with Police Radio Network in every couple of weeks.

Furthermore when demanded by TV stations, we give all kinds of support to TV programs, news and interviews at national or local levels.
In 2011 banners, brochures and booklets on different topics such as risks of speeding, red light violation, DWI, overtaking and tailgating were prepared, printed and delivered to all traffic departments around the country aimed for road safety educations.
Drivers, passengers and pedestrians are briefly described as the Road Users. In order to encourage these target groups to build right attitudes in traffic environment, we carry seminars about road traffic safety.

In 2011, 1,859,002 road users participated in these seminars.
In this vehicle, there are

- 5 Different Types of Alcoholmeter and Calibration Tubes
- 8 Different Types of Electronic and Mechanic Tachographs
- Cones and Traffic Control Plates
Besides Turkish National Police, some other institutions and organizations operating in the field of traffic and vehicle safety carry out traffic safety seminars for road user groups.
Land transportation is the most common transport model in the country. There are a lot of HGV’s, coaches, road Tractors, taxis and small busses on our roads.

In order to inform the drivers of these commercial vehicles and the relevant stakeholders, we have planned informative meetings in different cities of Turkey.
In these meetings, in addition to official speeches, some presentations on different road safety issues were made and many brochures and booklets were distributed to the participants.
Radio spots are prepared and being broadcasted on local and national radio stations
Traffic Responsibility Action (Trafikte Sorumluluk Hareketi) is a corporate social responsibility project, performed under the coordination of the Turkish Ministry of Transport and Communications, in cooperation with Ministry of Interior and the institutions operating in the field of traffic and vehicle safety, with the support of TÜVTURK (Vehicle Inspection Company).
Traffic Responsibility Action aims at raising awareness in the public in an attempt to take protective precautions for safety of life in traffic and to develop awareness about acting responsibly in traffic, which is one of the severest problems causing loss of lives and property in Turkey.

The project started in 2010 and still continues with three subprojects developed especially for the target groups: Safe Vehicle Action, Bosom Buddies Action, and Responsible Citizen Action.
The project is led by the national consortium. The partners in Turkey are; WHO, GRSP, Johns Hopkins University International Research Centre (JH-IIRU), ASIRT and EMBARQ.

Turkey is one of ten countries included in the Road safety in 10 countries (RS10) project funded through a grant from the Bloomberg Philanthropies.

The overall goal of RS10 in Turkey is to support the Turkish government to implement good practices in road safety in order to reduce deaths, injuries and disabilities.
The concrete indication of the efficiency of the project is about **wearing seat belt**:

Afyonkarahisar

<table>
<thead>
<tr>
<th>Before the project</th>
<th>Through the project</th>
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<tbody>
<tr>
<td>About %5-%7</td>
<td>About %80</td>
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</table>
NO TURN BACK
Our efforts in Turkey made much impression also in written and visual media
Short film by the Turkish President Abdullah Gül
“We will make a decision about the action plan which comprises the following 10 years in order to decrease %50 the deaths caused by the crashes. We are expecting all organizations and institutions to fulfill their responsibilities. Turkey, as in all fields, is within a reconstruction process in law. No one can be exception in a state of law. Everybody shall obey the rules. But I have to say that from now on, there is no exception; neither a minister nor a citizen on the road.”
"Road Traffic Convention" and "1968 Road Traffic Convention-Complementary European Agreement" which we are found suitable to be party of with date 25/4/2012 and no.6299 are agreed through the article of Foreign Ministry with date 31/6/2012 and no.HUM/1827487 by the Council of Ministers in 25/6/2012 in accordance with the 3rd article of the Law dated 31/5/1963 and no.244, and published in Official Gazette.
WE ARE ON DUTY 24 HOURS 365 DAYS...
THANK YOU

TURKISH NATIONAL POLICE

TURKISH NATIONAL POLICE 25.09.2012