TurkStat Transport Statistics

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Brief Presentation Of TurkStat: Short History

- **Ottoman Period**: History of official statistics backs to organization which is called “Defterhane” formed in year 1389 recording land area and settlement details. First successful population census carried out in year 1831. Central Statistical Council was formed in year 1891.

- **Republic Of Turkey period**: Central Statistical Department was established as of 26 April 1926. After various organizational changes over the decades, by the final change in year 2005 with Turkish Statistical Law No: 5429 Turkish Statistical System were reorganized. The name of Institute changed as Turkish Statistical Institute.
Brief Presentation Of TurkStat: Organisation

- The Turkish Statistical Institute is founded of the **Statistics Council** and the **Presidency of the Turkish Statistical Institute** with **Statistics Law of Turkey numbered 5429**.

- The **Statistics Council** is established to advice on the development and implementation of the Official Statistics Program and on the production and use of official statistics. The Law foresees that the Council meets at least once a year.

- The **Presidency of the Turkish Statistical Institute** consists of central and provincial organizations. Central organization is based at Ankara. TURKSTAT provincial organization is made up of 26 regional offices in charge of compiling, analyzing and transferring to the head office data relating to its specific geographical area. Presentation video:

Brief Presentation Of TurkStat: Duties & Authorities

- Compile, evaluate, analyse and publish statistics in the fields of economy, social issues, demography, culture, environment, science and technology, and in the other required areas.

- Prepare the Official Statistics Program, organize the statistical activities specified in the Program and ensure their realization and monitor the practice with Annual Monitoring Reports.

- Determine the statistical methods, definitions, classifications and standards to be used in the production of official statistics in line with national and international norms.

- Cooperate with other countries and international organizations.

- Perform other duties assigned by the Law No: 5429.
TurkStat Energy & Transport Statistics Unit

- Transportation Statistics unit was established as a separate department in 1964. In year 2012, Energy & Transport Statistics Unit was formed at TurkStat Central Office under Energy & Transport & Environment Statistics Department. Our unit is composed of 8 staff including experts and statisticians.

- TurkStat Transport Statistics cover sectors as Road, Rail, Airway, Maritime, Pipeline Transport, Postal and Telecommunication sectors with data on Infrastructure, Vehicle Stock, Vehicle Traffic Volume and Traffic Accidents. Figures exclude financial data on transport which is compiled by other units at TurkStat as Business Registers Department.

- The main mission of it is compiling and disseminating statistics on sectors of transport and producing internationally comparable official figures according to the needs of Official Statistics Programme.
TurkStat Transport Statistics Unit: Publications

1. Road Motor Vehicle Statistics
   (Monthly News Release, Annual Press Room News, Annual Publication)
   http://www.turkstat.gov.tr/PreHaberBultenleri.do?id=21607

2. Road Traffic Accident Statistics
   (Annual News Release, Annual Press Room News, Annual Publication)
   http://www.turkstat.gov.tr/PreHaberBultenleri.do?id=21611

3. TurkStat webpage for infrastructure, vehicle, traffic, accident data by:
   - Road Transport Statistics
   - Sea Vessels and Maritime Transportation Statistics
   - Railway Transport Statistics
   - Air Transport Statistics
   - Pipeline Transport Statistics
   - Telecommunication Statistics
   http://www.turkstat.gov.tr/PreTablo.do?alt_id=1051
Official Statistics Programme (OSP)

- The **Official Statistics Programme**, based on the Statistics Law of Turkey No 5429, is prepared for a 5-year-period in order to determine the basic principles and standards.

- OSP deals with the production and dissemination of official statistics aiming to produce reliable, timely, transparent and impartial data.

- Thanks to OSP official statistics are standardized, responsible and related institutions are defined, data compilation methodology and the publication periodicity/schedule of official statistics are specified.
### Official Statistics Programe: Transport Statistics

#### 4.5. Transportation Statistics

<table>
<thead>
<tr>
<th>Topic</th>
<th>Description</th>
<th>Source</th>
<th>Frequency</th>
<th>Time Period</th>
<th>Data Holder</th>
<th>Availability</th>
<th>Format</th>
<th>NUTS Level</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Road Motor Vehicles Statistics</strong></td>
<td>TURSTAT</td>
<td>Ministry of Interior (DG of Public Security)</td>
<td>Continuously</td>
<td>Monthly, Annually</td>
<td>Monthly 3+15 Days (1+5 months)</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Road Traffic Accidents</strong></td>
<td>TURSTAT</td>
<td>Ministry of Interior (DG of Public Security)</td>
<td>Monthly, Annually</td>
<td>Monthly, Annually</td>
<td>Monthly 3+11 Months (3+7 months)</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Highways Inventory (Excludes Village and Local Roads)</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Highways)</td>
<td>Continuously</td>
<td>Annually</td>
<td>1+2 months (3+3 months, 3+7 months)</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Journey and Transportation on Highways</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Highways)</td>
<td>Annually</td>
<td>Annually</td>
<td>1+7 months</td>
<td>Study</td>
<td>Available</td>
<td>Turkey</td>
</tr>
<tr>
<td><strong>Traffic and Transportation Data</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Highways)</td>
<td>Seasonal</td>
<td>Annually</td>
<td>1+7 months</td>
<td>Study</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Length of Village Roads</strong></td>
<td>TURSTAT</td>
<td>Ministry of Interior (DG of Local Administration)</td>
<td>Annually</td>
<td>Annually</td>
<td>1+2 months</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Length of Urban Roads</strong></td>
<td>TURSTAT</td>
<td>Ministry of Interior (DG of Local Administration)</td>
<td>Annually</td>
<td>Annually</td>
<td>1+4 months</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Railways Statistics</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Railway Network)</td>
<td>Monthly</td>
<td>Annually</td>
<td>1+6 months</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Vessels (Registered), Maritime Cabotage Line and International Maritime Transportation Statistics</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Merchant Marine)</td>
<td>Continuously</td>
<td>Annually</td>
<td>1+2 months</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Port Supervision Statistics</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Merchant Marine)</td>
<td>Continuously</td>
<td>Annually</td>
<td>1+7 months</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Maritime Accidents Statistics</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Merchant Marine)</td>
<td>Continuously</td>
<td>Annually</td>
<td>1+1 month</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Commercial Vessel Passing Through Turkish Straits</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Coastal Safety)</td>
<td>Continuously</td>
<td>Annually</td>
<td>1+1 month</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
<tr>
<td><strong>Airport Statistics</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Civil Airports Authority)</td>
<td>Monthly</td>
<td>Annually</td>
<td>Monthly 3+11 Months (3+7 months)</td>
<td>Administrative Register</td>
<td>Partially available</td>
<td>ICAO</td>
</tr>
<tr>
<td><strong>Aircraft Fleet Statistics</strong></td>
<td>TURSTAT</td>
<td>Ministry of Transport, Maritime Affairs and Communication (DG of Civil Aviation)</td>
<td>Annually</td>
<td>Annually</td>
<td>1+4 months</td>
<td>Administrative Register</td>
<td>Available</td>
<td>-</td>
</tr>
</tbody>
</table>
Statistics and responsible organizations covered by Official Statistics Program (OSP)

- **Road Motor Vehicle Statistics**: According to OSP, TurkStat is the responsible organization for Road Motor Vehicle Statistics.

  “Data is compiled from General Directorate of Public Security GDPS; *monthly data* is presented to users by Road Motor Vehicle Statistics Press Release *yearly data* is is presented to users by Road Motor Vehicle Statistics Publication”
Statistics and responsible organizations covered by Official Statistics Programme (OSP)

- **Road Traffic Accident Statistics**: According to OSP, TurkStat is the responsible organization for Road Traffic Accident Statistics.

  - “Road Traffic Accident Statistics are produced from the administrative records of General Directorate of Public Security (police), General Commanderie of Gendarmarie and Motor Third Party Liability Insurance Information Center - TRAMER.”

  - “Road Traffic Accident Statistics publication is submitted to users yearly.”
Statistics and responsible organizations covered by Official Statistics Programe (OSP)

• **Sea Vessels and Maritime Transportation Statistics**: TurkStat is the responsible organization. Data is compiled from the Ministry of Transport, Maritime Affairs and Communications.

• All other statistics on Maritime Transportation are under the responsibilty of Ministry of Transport, Maritime Affairs and Communications.
Statistics and responsible organizations covered by Official Statistics Program (OSP)

- **Road Statistics:**
  According to OSP, General Directorate of Highways is the responsible organisation.
  
  “Road lengths, traffic and transportation data, financial statistics and similar data is compiled from the administrative records and studies of General Directorate of Highways.”

- **General Directorate of Local Authorities** is the responsible organisation for the statistics on rural roads.
Statistics and responsible organizations covered by Official Statistics Programme (OSP)

- **Railway Statistics**: Turkish State Railways is the responsible organisation.

  “Statistics on passenger and freight transportation on railways, railway infrastructure and accidents occurred in railways are produced from the administrative records of Turkish State Railways.”
Statistics and responsible organizations covered by Official Statistics Program (OSP)

- **Air Transport Statistics:**
  State Airports Authority (SAA) and Civil Aviation Administration (CAA) are the responsible organisations.

  “Statistics on number of flights, passenger and freight transportation by airways are produced from the administrative records of SAA”

  “Statistics on air transport accidents and aircraft fleet are produced from the administrative records of CAA”
Statistics and responsible organizations covered by Official Statistics Program (OSP)

- **Pipeline Transportation Statistics**: Petroleum Pipeline Corporation (BOTAŞ) and Turkish Petroleum Corporation (TPAO) are the responsible organizations.

  “Related institutions compile the statistics about pipeline length and transportation of petroleum and natural gas on those pipelines from their administrative records.”
Statistics and responsible organizations covered by Official Statistics Programe (OSP)

- Postal & Telecommunication Statistics:

Communication Technologies Authority (BTK) is the responsible organisations.

Statistics on the number of telephone and internet subscribers, phone and internet traffic are produced from the administrative records of BTK. Statistics on postal deliveries will be produced from the administrative records of BTK also.
TURKSTAT QUALITY ASSURANCE FRAMEWORK

- European Statistics Code of Practice is followed

1. Kaynakların yeterliliği
2. İstatistiksel gizlilik
3. Tarafsızlık ve nesnellik
4. Güvenilir metodoloji
5. Uygun istatistiksel işlemler
6. Kullanıcı odaklılık
7. Doğruluk ve güvenilirlik
8. Zamanlılık
9. Tutarlılık ve karşılaştırılabilirlik
10. Erişilebilirlik ve açıklık

Quality
International Cooperation: Eurostat/ UNECE/ OECD

- Eurostat Compendium outlines the statistics to be produced in European Union with the information on definitions, coverage, periodicity and regulations about the statistics.

- In Eurostat Compendium, Transportation Statistics are covered under title 8 within subtitle 8.3.061 Transport Statistics. Under this subtitle, legislations on all transport modes are revealed.

- TurkStat compiles, analyses and send the data demanded by Eurostat according to EU standarts, manuals, directives and regulations specified for each transport topic.

- Eurostat checks and feedbacks TurkStat data for the data quality and timeliness Therefore many TurkStat data is comparable with EU members.
International Cooperation: Eurostat (Compendium)


TurkStat Statistics Transmitted to Eurostat

- **Summary Transport Statistics:** Summary statistics on road accidents, vehicles, road lengths and pipeline transport are sent to Eurostat (as well as OECD and UNECE) by international questionnaires yearly.

- **Sea Vessels and Maritime Transportation Statistics:** 10 datasets demanded by EU’s maritime transport statistics directives are prepared and transmitted to Eurostat by TurkStat.

- **Railway Statistics:** All datasets demanded by EU’s railway transport statistics directives are prepared by Turkish State Railways seasonaly and yearly and transmitted to Eurostat by TurkStat.

- **Airway Statistics:** Airport Data (passenger, freight and aircraft traffic by airports) demanded by EU’s airway transport statistics directives are prepared and transmitted to Eurostat by State Airports Authority. 2/3 of Eurostat datasets are sent seasonaly and yearly.
## Eurostat Statistics (Compendium)

<table>
<thead>
<tr>
<th>Statistics</th>
<th>Variable Definition</th>
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</thead>
<tbody>
<tr>
<td>Passenger Mobility Statistics</td>
<td>Road traffic and passenger mobility (has no regulation and produced on voluntary basis)</td>
</tr>
<tr>
<td>Road Freight Transport Statistics</td>
<td>Statistics to be compiled under EU Directive 1172/98</td>
</tr>
<tr>
<td>Infrastructure and transport equipment</td>
<td>Data on urban road lengths</td>
</tr>
<tr>
<td>Road Traffic Accident Statistics</td>
<td>30 days follow-up of traffic accident injuries and inclusion of related deaths in the statistics.</td>
</tr>
</tbody>
</table>
International Cooperation: Eurostat/OECD/UNECE Common Questionnaire

1. Module Description

The aim is to provide information for every mode of transport in each of the main categories: infrastructure, transport equipment, transport enterprises, economic performance and employment, traffic and transport measurement. The full implementation of the Community 'acquis' in new Member States and candidate countries is a key objective. A further range of statistics is provided from a voluntary data collection based on the Common Questionnaire, carried out jointly with UNECE and the ITF. This Common Questionnaire and other processes are supported by another joint project, the Eurostat/ITF/UNECE Glossary for Transport Statistics.

2. Legal Basis

Agreements:
UNECE Agreement, Common questionnaire coordinated with UNECE and ITF.
Comments: Common Questionnaire coordinated with UNECE and ITF
Yearly, data on rail, road, inland waterways and oil & gas pipeline transport, questionnaire collected yearly
Time of obligation:
Periodicity: annual
Date of adoption: around 1990
Publication: many horizontal publications as well as the Eurostat dissemination database
Participating countries: all UNECE and ITF member countries in addition to EU and EFTA
Official data providers: CNA (Competent National Authorities) like statistical offices or transport ministries

The terminology can be found in the 'Glossary for Transport Statistics'. This glossary is translated to all current EU Member States languages as well as Russian, Serbian, Croatian and Arabic. The fourth edition of the glossary is available on:

3. Data Requirements

TRANSCyoBOOK_A: Common Questionnaire on Transport Statistics
Timeliness: 360; Periodicity: A

4. Methodology

Glossary for Transport Statistics, mentioned above
UNECE, ITF and Eurostat cooperation, see at:

5. International Cooperation
ITF, UNECE.

Sustainable Development Indicators

Eurostat produces 131 sustainability indicators of which 4 indicators are from transport:

1. **Motorisation rate** (cars per 1000 person) :
   This indicator is calculated in full coverage.

2. **Passenger transport by type** (passenger-kilometre) :
   This variable reveals the share of transportation by road and railways out of the total and is expressed by passenger-kilometer (pkm). Data are compiled from General Directorate of Highways (GDH) and Turkish State Railways. However in the data compiled from GDH, national/international breakdown and transport inside urban areas could not be produced and not included in the data.
Sustainable Development Indicators

3. **Freight transport (tonne-km)**: This variable indicates the share of road, railway and inland waterway out of total freight transportation and is expressed by tonne-kilometer (tkm). Data are compiled from General Directorate of Highways (GDH) and Turkish State Railways. However; in GDH data, national/international breakdown and data on freight transport inside urban areas could not be produced.

4. **Number of killed persons in traffic accidents**: This data is partly available. Data on deaths in accident place are available; but deaths during 30 days could not be compiled. General Directorate of Public Security (police) will produce this missing data by 2014 beginning from initial year as 2013.
Dinləmək üçün təşəkkür edirik