



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 Programme 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:

<http://www.turkstat.gov.tr/images/swfler/tanitim/tuik.html>

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 Programme, organize the statistical activities specified in the Programme 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>

http://www.tuik.gov.tr/basinOdasi/haberler/2016_20_20160218.pdf

2. Road Traffic Accident Statistics

(Annual News Release, Annual Press Room News, Annual Publication)

<http://www.turkstat.gov.tr/PreHaberBultenleri.do?id=21611>

http://www.tuik.gov.tr/basinOdasi/haberler/2016_85_20160726.pdf

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

<http://www.officialstatistics.gov.tr/?q=en>

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 Programme: Transport Statistics

4.5. Transportation Statistics

4.5.1	Road Motor Vehicles Statistics	TURKSTAT	Ministry of Interior (DG of Public Security)	Continuously	Monthly, Annually	Monthly (t+45 days) Annually(t+5 months)	Administrative Register	Available	-	NUTS Level 3	Press Release, Electronic Documents (doc, xls, pdf etc.)	-
4.5.2	Road Traffic Accidents	• TURKSTAT • Ministry of Interior (DG of Public Security)	Ministry of Interior (General Command of Gendarmerie)	Monthly, Annually	Monthly, Annually	Monthly (t+1 month) Annually (t+7 months)	Administrative Register	Available	-	NUTS Level 3	Press Release, Electronic Documents (doc, xls, pdf etc.)	Annual press release is published by TURKSTAT, monthly press release is published by General Directorate of Public Security
4.5.3	Highways Inventory (Excludes village and local roads)	Ministry of Transport, Maritime Affairs and Communication (DG of Highways)	TURKSTAT	Continuously	Annually	t+2 months t+3 months, t+4 months	Administrative Register	Available	-	NUTS Level 3	Electronic Documents (doc, xls, pdf etc.)	Includes data of the roads under the responsibility of General Directorate of Highways. In t+2 months Motorway Inventory Data; in t+3 months Bridge Inventory Data; and in t+4 months State and Provincial Road Inventory Data is disseminated.
4.5.4	Journeys and Transportation on Highways	Ministry of Transport, Maritime Affairs and Communication (DG of Highways)	TURKSTAT	Annually	Annually	t+7 months	Study	Available	-	Turkey	Electronic Documents (doc, xls, pdf etc.)	Road transport data cover the traffic volume only at road network within General Directorate of Highways responsibility, whereas traffic at urban and rural roads are excluded.
4.5.5	Traffic and Transportation Data	Ministry of Transport, Maritime Affairs and Communication (DG of Highways)	TURKSTAT	Seasonal	Annually	t+7 months	Study	Available	-	-	Electronic Documents (doc, xls, pdf etc.)	Data covers only the road network within General Directorate of Highways responsibility.
4.5.6	Length of Village Roads	Ministry of Interior (DG of Local Administration)	TURKSTAT	Annually	Annually	t+2 months	Administrative Register	Available	-	NUTS Level 3	Press Release, Electronic Documents (doc, xls, pdf etc.)	Data covers rural roads within the responsibility of 51 City Local Administrations.
4.5.7	Length of Urban Roads	Ministry of Interior (DG of Local Administration)	TURKSTAT	Annually	Annually	t+6 months	Administrative Register	Available	-	NUTS Level 3	Electronic Documents (doc, xls, pdf etc.)	Beginning from publication year 2018, data related to length of urban roads is going to be published since the data reference year 2015 including data of year 2015, 2016 and 2017 together with the lengths of bicycle roads, light rail and underground systems data as yearly tables on the web site of General Directorate of Local Administrations (www.migm.gov.tr).
4.5.8	Railways Statistics	Ministry of Transport, Maritime Affairs and Communication (Turkish State Railways)	TURKSTAT	Monthly	Annually	t+6 months	Administrative Register	Available	-	Turkey	Electronic Documents (doc, xls, pdf etc.)	Data covers Infrastructure, Transportation, Port Activities, facilities, Energy consumption and Accident statistics.
4.5.9	Vessels (Registered), Maritime Cabotage Lines and International Maritime Transportation Statistics	Ministry of Transport, Maritime Affairs and Communication (DG of Merchant Marine)	TURKSTAT	Continuously	Annually	t+12 months	Administrative Register	Available	-	Register Harbor, Harbor Authority	Publication	-
4.5.10	Port Supervision Statistics Within the Frame of Mediterranean and Black Sea Memorandums	Ministry of Transport, Maritime Affairs and Communication (DG of Merchant Marine)	TURKSTAT	Continuously	Annually	t+7 months	Administrative Register	Available	-	Turkey	Electronic Documents (doc, xls, pdf etc.)	Data is given on demand.
4.5.11	Maritime Accidents Statistics	Ministry of Transport, Maritime Affairs and Communication (DG of Merchant Marine)	TURKSTAT	Continuously	Annually	t+1 month	Administrative Register	Available	-	Turkey	Electronic Documents (doc, xls, pdf etc.)	-
4.5.12	Commercial Vessel Passing Through Turkish Straits	Ministry of Transport, Maritime Affairs and Communication (DG of Coastal Safety)	• Ministry of Transport, Maritime Affairs and Communication (DGMM) • TURKSTAT	Continuously	Annually	t+1 month	Administrative Register	Available	-	Turkey	Electronic Documents (doc, xls, pdf etc.)	-
4.5.13	Airport Statistics	Ministry of Transport, Maritime Affairs and Communication (State Airports Authority)	TURKSTAT	Monthly	Monthly, Annually	Monthly (t+1 month) Annually (t+6 months)	Administrative Register	Partially available	ICAO	NUTS Level 2	Electronic Documents (doc, xls, pdf etc.)	-
4.5.14	Aircraft Fleet Statistics	Ministry of Transport, Maritime Affairs and Communication (DG of Civil Aviation)	TURKSTAT	Annually	Annually	t+1 month	Administrative Register	Available	-	Turkey	Electronic Documents (doc, xls, pdf etc.)	-

Statistics and responsible organizations covered by Official Statistics Programme (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 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 Gendarmerie 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 Programme (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 responsibility of Ministry of Transport, Maritime Affairs and Communications.

Statistics and responsible organizations covered by Official Statistics Programme (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 Programme (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 Programme (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 Programme (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)

Priority area 08 — Geospatial, environmental, agricultural and other sectoral statistics

7

e) Transport statistics — Air

Responsible unit: E.3: Transport

Contact person: Anna BIALAS-MOTYL, Tel: +352 4301 36407

1. Module Description

The objective of this module is to provide harmonised statistics (passengers, freight and mail) on air transport, based on Regulation 437/2003. Information on air transport infrastructure, transport equipment and accidents are collected on voluntary basis.

2. Legal Basis

Legal acts:

Regulation (EC) No 437/2003 of the European Parliament and of the Council of 27 February 2003, on statistical returns in respect of the carriage of passengers, freight and mail by air, OJ L 66, 11.3.2003

Commission Regulation (EC) No 1358/2003 of 31 July 2003, implementing Regulation (EC) No 437/2003 of the European Parliament and of the Council on statistical returns in respect of the carriage of passengers, freight and mail by air and amending Annexes I and II thereto, OJ L 194, 1.8.2003

Commission Regulation (EC) No 546/2005 of 8 April 2005, adapting Regulation (EC) No 437/2003 of the European Parliament and of the Council as regards the allocation of reporting-country codes and amending Commission Regulation (EC) No 1358/2003 as regards the updating of the list of Community airports, OJ L 91, 9.4.2005

Commission Regulation (EC) No 158/2007 of 16 February 2007, amending Commission Regulation (EC) No 1358/2003 as regards the list of Community airports, OJ L 49, 17.2.2007, p. 9

3. Data Requirements

AIR_A1_M: Flight stages database

Timeliness: 180; Periodicity: M

AIR_A1_Q: Flight stages database

Timeliness: 180; Periodicity: Q

AIR_B1_M: On flight origin destination database

Timeliness: 180; Periodicity: M

AIR_B1_Q: On flight origin destination database

Timeliness: 180; Periodicity: Q

AIR_C1_A: Airports database

Timeliness: 180; Periodicity: A

AIR_C1_M: Airports database

Timeliness: 180; Periodicity: M

AIR_C1_Q: Airports database

Timeliness: 180; Periodicity: Q

Note: If a country delivers monthly datasets, there is no need to provide quarterly or annual datasets.

4. Methodology

Reference Manual on Air Transport Statistics available on:

<http://ec.europa.eu/eurostat/documents/29567/3217334/Aviation-Manual-V11.pdf/19f6a843-d7c1-4cae-b93e-fcd5e3f59187>

Glossary for transport statistics: <http://ec.europa.eu/eurostat/en/web/products-manuals-and-guidelines/-/KS-RA-10-028>

<http://ec.europa.eu/eurostat/documents/29567/3217334/Aviation-Manual-V11.pdf/19f6a843-d7c1-4cae-b93e-fcd5e3f59187>

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 seasonally 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 seasonally and yearly.

Eurostat Statistics (Compendium)

Statistics	Variable Definition
Passenger Mobility Statistics	Road traffic and passenger mobility (has no regulation and produced on voluntary basis)
Road Freight Transport Statistics	Statistics to be compiled under EU Directive 1172/98
Airway Origin-Destination Statistics	Statistics to be compiled under EU Directive 437/2003
Infrastructure and transport equipment	Data on urban road lengths
Road Traffic Accident Statistics	30 days follow-up of traffic accident injuries and inclusion of related deaths in the statistics.

International Cooperation: Eurostat/OECD/UNECE Questionnaire

Common

f) Transport Statistics – Common Eurostat/ITF/UNECE Questionnaire on Transport Statistics

Responsible unit: E.3: Transport

Contact person: Hans STRELOW, Tel: +352 4301 34580

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

Participant 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, Croat and Arabic. The fourth edition of the glossary is available on:

http://ec.europa.eu/eurostat/ramon/other_documents/transport_glossary_4_ed/index.cfm?TargetUrl=DSP_TRANSPORT_GLOSSARY_4_ED

3. Data Requirements

TRANSCQ_YBOOK_A: Common Questionnaire on Transport Statistics

Timeliness: 330; Periodicity: A

4. Methodology

Glossary for Transport Statistics, mentioned above

UNECE, ITF and Eurostat cooperation, see at:

<http://www.unece.org/fileadmin/DAM/trans/doc/2010/WP6/ECE-TRANS-WP6-2010-07e.pdf>

5. International Cooperation

ITF, UNECE.

<http://ec.europa.eu/eurostat/documents/3859598/6904809/KS-GQ-15-006-EN-N.pdf/5e7ca912-8d0c-4527-8d19-a078811b8a22>

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

