

2.4.4 Transport statistics

2.4.4 Transport (CIS-STAT)

Transport Statistics

Ongoing work

- Collection, processing, analysis and publication of transport data for the Commonwealth countries:
 - Monthly: carriage of goods and passengers, cargo and passenger volumes for all modes of transport, and freight carried on main railway lines by cargo type.
 - Yearly: availability of units of rolling stock by purpose, length of railway lines in operation by category (as of the end of the year).
 - Preparation of analytical reports on the operation of transport.
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2.4.4 Transport statistics (Eurostat)

Theme 3.04 - Transport

Fields of activities covered by the theme

- Commercial transport of goods and passengers in all modes where this activity is significant: road freight, rail (goods and passengers), inland waterways (goods), sea (goods and passengers), air (passengers, freight and mail), and pipelines (specific goods);
- Measurement of traffic, in particular for road vehicles;
- Infrastructures and means of transport (vehicles) at national and regional level;
- Enterprises and employment in the transport sector at national level;
- Accidents, fatalities, injured people and release of dangerous goods in the transport sector;
- Intermodal transport, congestion, logistics performance;
- Impact on the environment, in particular on climate change;
- Transport indicators (modal split; structural, sustainable development, globalisation, environment).

1. Work to be carried out by Eurostat in 2012

1.2 ONGOING WORK

- Annual data collection of regional transport statistics (transport infrastructure, stock of the vehicles and road traffic accident), based on a voluntary data collection.
- Modal Split indicators represent the relative share of each individual transport mode in the overall transport performance and are obtained from datasets of various transport modes using the same measurement unit.
- Modernisation and integration of Transport Information System (TRIS).
- Common Eurostat/ITF/UNECE Questionnaire on Transport Statistics: annual voluntary data collection on inland transport statistics (infrastructure, transport equipment, enterprises and partly traffic, transport measurement and safety).
- Collection of road VKm: annual voluntary data collection on the volume of road transport measured in VKm (Vehicle Kilometre).
- Road Freight Transport Statistics: quarterly data collection (vehicle, journey and goods-related data) on road freight transport, based on Council Regulation (EC) No 1172/98.
- Rail Transport Statistics: quinquennial/annual/quarterly data collection (goods, passengers and rail safety) on rail transport, based on Regulation (EC) No 91/2003 of the European Parliament and of the Council.
- Annual/quarterly data collection (carriage of goods and passengers by sea) on maritime transport statistics, based on Directive 2009/42/EC of the European Parliament and of the Council and Regulation (EU) 1090/2010.
- Inland Waterway Freight Transport Statistics: annual/quarterly data collection (type of goods, nationality and type of vessels, vessel traffic) on inland waterway freight transport, based on Regulation (EC) No 1365/2006 of the European Parliament and of the Council.
- Air Transport Statistics: annual/quarterly/monthly data collection on the carriage of passengers, freight and mail by commercial air services as well as on civil aircraft movements to or from Community airports, based on Regulation (EC) No 437/2003 of the European Parliament and of the Council.
- Data collection on transport safety statistics, having as data suppliers: DG MOVE, European Rail Agency, European Maritime Safety and European Aviation Safety Agency.
- Feasibility study on production of intermodal transport statistics, including logistics indicators.

2. Statistical work to be carried out by other DGs (including data collection from Member States) and/or EU Agencies

2.2 ONGOING WORK

- Collect from the Member States the safety data they need to fulfil their function (i.e. common rail safety indicators, aviation safety data as well as maritime safety and vessel movements' data).
 - Collection of data and estimation of the tax revenues on mineral oils stemming from transport use. For countries which cannot provide these data a methodology is developed to estimate the split based on other sources.
 - Collection of data on tax rates and revenues on energy products stemming from transport, industrial/commercial and heating use.
 - Management of the CARE database on road accidents. The data are collected from the Member States in accordance with Council Decision 93/704.
 - Modernisation and extension to non-inland modes Council Regulation 1108/70 on an accounting system for expenditure on infrastructure.
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2.4.4 Transport statistics (UNCTAD)

Maritime Transport

Ongoing work:

- Annual data on the world merchandise fleet by flag of registration and type of ship with the latest 2011 data. The statistics are released in the UNCTAD Handbook of Statistics, on-line under UNCTADstat, and in the annual Review of Maritime Transport.
- The annual UNCTAD Liner Shipping Connectivity Index, by country with the latest 2011 data. The statistics are released in the UNCTAD Handbook of Statistics, on-line under UNCTADstat, and in the annual Review of Maritime Transport.
- Annual data on the world merchandise fleet by country of ownership for the 35 largest vessel-owning countries, included each year in the UNCTAD Review of Maritime Transport.
- Annual containerized port traffic, by country, included each year in the UNCTAD Review of Maritime Transport.
- Annual World Seaborne Trade, by country groupings, included each year in the UNCTAD Review of Maritime Transport.
- Annual and for some time series quarterly data on vessel prices, orders, and demolitions, published annually in the UNCTAD Review of Maritime Transport.
- On-line port traffic statistics available under UNCTADstat ranging from 2008 to 2010. The data present the total number of containers handled by a port per country.

2.4.4 Transport statistics (UNECE TRA)

Activity 12.1: Collection, processing and dissemination of transport statistics

Description and objectives

Collection and compilation of transport statistics, including data on motor traffic, road traffic accidents and rail traffic. Development and maintenance of the on-line UNECE Transport Statistics Database in order to maintain good quality, relevant, user friendly and timely transport statistics.

Activities and output

- Provide good quality, relevant, user friendly and timely transport statistics.
- Regular collections and dissemination of transport statistics, in cooperation with International Transport Forum and Eurostat, including data on motor traffic, road traffic accidents and rail traffic.
- Use of PC-Axis for disseminating data collected via the regular questionnaires.

Data collection

- Common questionnaire for the Annual Bulletin of Transport Statistics (with International Transport Forum and Eurostat).
- Addition of supplementary chapters to the Common Questionnaire for Transport Statistics (gas transport via pipelines, transport by bus and coach).
- Questionnaire on Road Traffic Accident Statistics (with International Transport Forum).
- Continue to streamline data collection procedures in the field of transport and road traffic safety and to review user needs on a permanent basis, including those of other UNECE inter-governmental bodies.
- Target solutions to improve the collection of statistics in problematic areas, as indicators of sustainable transport, including, but not limited to the following items:
 - Statistics on road traffic (vehicle-km);
 - Statistics on the transportation by buses and coaches;
 - Statistics on the transport of dangerous goods;
 - Statistics on transport of gas through pipelines;
 - Statistics on transport to and from seaports and inland waterways ports (hinterland connections);
 - Statistics on high speed rail transport.

Dissemination - Publications (online)

- Annual Bulletin of Transport Statistics (jointly with International Transport Forum and Eurostat).
- Statistics of Road Traffic Accidents in Europe and North America, annual publication.
- Maps and data on E-Road Traffic Census.
- Maps and data on E-Rail Traffic Census.
- "Flyer(s)" on selected transport indicators.
- Dissemination of main transport data through the online UNECE Statistical Database.

Organizations and groups involved

International Transport Forum
EC (DG MOVE, Eurostat, ERA)
Central Commissions for Navigation on the Rhine (CCNR)
Danube Commission.

Activity 12.2: Methodological work in transport statistics

Description and objectives

Development of appropriate and common methodologies and terminology for the harmonization of statistics to promote the availability of comprehensive, timely and reliable statistics for sustainable transport planning and analysis and to improve international comparability of transport statistics. The work includes methodologies for the collection and compilation of statistics on road, rail, inland waterway, pipeline and combined transport, on road traffic accidents and indicators of sustainable transport. It is done in cooperation and coordination with other UNECE bodies and related international organizations.

Activities and output

Improved international comparability of transport statistics

- Classification system for transport statistics of goods (NST 2007).
- Maintain the Glossary of transport statistics and recommendations to Governments on motor traffic and rail traffic censuses in cooperation with International Transport Forum and Eurostat. The Glossary of transport statistics (4th edition, prepared jointly with the International Transport Forum and Eurostat) will be continuously updated.
- Results of the 2010 E-road and E-rail censuses based on the relevant resolutions adopted by the Inland Transport Committee.

Pilot questionnaires

- Pilot questionnaire on transport statistics of gas through pipelines (with International Transport Forum and Eurostat) adopted in 2010 to be circulated and its results to be reviewed.
- Pilot questionnaire on road traffic performance to be circulated at a pan-European level.
- Pilot questionnaire on passenger accessibility to rail systems in cooperation with European Railway Agency (ERA).

Publication (online)

- Handbook on transport statistics by buses and coaches.

Meetings

- Annual Meeting of the Working Party on Transport Statistics (WP.6) (Geneva, 8-10 June 2011).
- Inter-secretariat Working Group on Transport Statistics (UNECE, International Transport Forum and Eurostat). Three meetings per year, with the location rotating between Geneva, Paris and Luxembourg.
- Workshop(s) on how to improve data collection for certain countries by the use of the online common questionnaire.
- Workshop(s) for member States which are not yet collecting statistics on transport of dangerous goods.

Organizations and groups involved

International Transport Forum
EC (DG MOVE, Eurostat, ERA)
Central Commissions for Navigation on the Rhine (CCNR)
Danube Commission

2.4.4 Transport (OECD)

Annual Transport Statistics

Purpose

To provide annual transport information presenting disaggregated statistical data in the transport sector.

Objectives and outputs

Data are collected in a harmonised way to facilitate comparisons between modes of transport and between countries by means of the Common Questionnaire developed jointly between three international organisations: Eurostat, ITF and UNECE.

Data cover topics such as infrastructure, rolling stock, human resources, investment, transport, traffic and energy consumption for different inland transport modes.

Non-member countries involved in the activity:

Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Liechtenstein, Lithuania, Macedonia, Malta, Moldova, Republic of Montenegro, Republic of Serbia, Romania, Russian Federation, Slovenia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan.

Databases

Transport Statistics - Common Questionnaire

Main Developments for 2012

General aspects:

ITF is developing a corporate database to integrate the information collected by means of the Common Questionnaire. The corporate database is planned to be ready towards the end of 2012.

Data collection:

Upgraded version of the WEB questionnaire.

International Database of Taxes and Changes for Road Freight Transport

Purpose

To provide indicators for efficiency and impact on competition of taxes and charges for transport in order to allow international comparisons.

Objectives and outputs

The final report provides a framework for international comparisons and discusses the economic principles for efficient systems of taxation. It provides a basis for addressing the questions "what is the right level for transport taxes" and "what kinds of charges should be used".

Main Developments for 2012

General aspects:

No major changes.

Investment in Transport Infrastructure

Purpose

To provide an annual update of statistical information on transport infrastructure investment, for all ITF countries, on total gross investment and maintenance expenditure.

Objectives and outputs

After processing the data, quality checks were carried out to select reliable time series to be made available on the web site along with a short analysis of trends.

Non-member countries involved in the activity:

Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Georgia, Latvia, Liechtenstein, Lithuania, Macedonia, Malta, Moldova, Republic of Montenegro, Republic of Serbia, Romania, Russian Federation, Slovenia, Ukraine.

Databases

Investment in Transport Infrastructure

Main Developments for 2012

General aspects:

Data quality was improved by using more appropriated deflators when available.

Quarterly Transport Statistics

Purpose

To provide harmonised information on selected basic quarterly indicators in order to compare the latest inland transport trends between countries.

Objectives and outputs

To publish results every three months on the ITF web site, on a country by country basis with 4-5 months lag maximum (data for the first quarter is collected in June and published in July). Available series cover good transport in T-km, passenger transport in P-Km, road traffic in V-Km, brand new vehicles registration, car fuel consumption, road fatalities, imports and exports at current prices and industrial production.

Country by country data tables are available, as well as graphs showing trends for both individual countries and selected groups of countries.

Non-member countries involved in the activity:

Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Georgia, Latvia, Lithuania, Macedonia, Malta, Moldova, Republic of Montenegro, Republic of Serbia, Romania, Russian Federation, Slovenia, Ukraine.

Databases

Short-term trends survey

Main Developments for 2012

General aspects:

Starting with the publication of the 2nd quarter of 2009 results, an analytical report based on seasonally adjusted data is published each quarter published with the data on the ITF WEB site.

Information on air and maritime transport are integrated in the analysis to provide a global view on the transport activity.

An annual leaflet "key Transport Statistics" based on data for the 4 quarters is published each year in May for the ITF annual Summit in Leipzig.

Transport Sector Trends Analysis

Purpose

To provide a first analysis of both passenger and freight transport trends, as well as road accident trends. A short list of selected indicators are collected for that purpose.

Objectives and outputs

To publish an analysis of the transport situation in different geographical regions. The publication also gives the latest statistics on the situation of the transport market in ITF countries and presents charts which help to show what changes have occurred since 1970.

Because it is published earlier than any other comparable study, this report provides first-hand figures about passenger and freight transport as well as road accidents.

Since 2008 the publication also includes information on investment and maintenance expenses in transport infrastructures.

Non-member countries involved in the activity:

Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Georgia, Latvia, Liechtenstein, Lithuania, Macedonia, Malta, Moldova, Republic of Montenegro, Republic of Serbia, Romania, Russian Federation, Serbia and Montenegro, Slovenia, Ukraine.

Databases

Trends in the Transport Sector - Leaflet

Main Developments for 2012

General aspects:

The publication covers all transport modes including maritime and air as well as investment and maintenance expenses on transport infrastructures.

2.4.4 Transport (UN Statistics Division)

Ongoing work:

Compilation of statistical series on international maritime transport and registration of new motor vehicles for dissemination in the Monthly Bulletin of Statistics (MBS) and the MBS Online; compilation of statistical series on civil aviation for dissemination in both the MBS and the UN Statistical Yearbook.