

Statistical survey on road and bridge network

T_TRANS.PI.2_A_EN_2021_1

Reference Metadata in ESMS 2.0 structure

1	Contact
1.1	Contact organisation
State Statistical Office	
1.2	Contact organisation unit
Department for environment, energy and transport	
1.3	Contact name
Tatjana Stojanovska	
1.4	Contact person function
Head of department	
1.5	Contact mail address
Dame Gruev 4, 1000 Skopje, Republic of North Macedonia	
1.6	Contact email address
tatjana.stojanovska@stat.gov.mk	
1.7	Contact phone number
+ 389 3 295-653	
1.8	Contact fax number
+389 3 111 336	
2	Metadata update
2.1	Metadata last certified
29/10/2022	
2.2	Metadata last posted
29/10/2022	
2.3	Metadata last update
29/10/2022	
3	Statistical presentation
3.1	Data description
Data for: main roads, regional roads, motorways, international E-roads and bridges on main and regional roads.	
3.2	Classification system
National classification of activities NKD Rev.2.	
3.3	Sector coverage
Section H – Transportation and Storage, class 52.21-Service activities related to land transportation, in accordance with NKD Rev.2.	
3.4	Statistical concepts and definitions
<p>Main road is international road and public road that connects major cities or major economic regions in the country and which builds on the respective routes of neighboring countries. Regional road is a public road that connects economic areas of two regions in the country or is of particular importance for the country. Motorway is road, specially designed and built for motor traffic, which does not serve properties bordering on it, and which: a) Is provided, except at special points or temporarily, with separate carriageways for traffic in two directions, separated from each other, either by a dividing strip not intended for traffic, or exceptionally by other means; b) Has no crossings at the same level with any road, railway or tramway track, or footpath; c) Is especially sign-posted as a motorway and is reserved for specific categories of road motor vehicles. These include entry and exit lanes regardless of the location of the appropriate traffic signs. Also includes urban (city) Motorways. International E-road is a public road with an international act deployed in the network of international roads in accordance with the characteristics set out in AGR-75. Express road is a road reserved for road transport, which has access only from interchanges or controlled junctions and where stopping and parking on the running carriageway is prohibited (AGR-75). In the length of the bridges is calculated and the constructive part of the structure, not only the part over the river or the opening between the pillars.</p>	

3.5	Statistical unit
Every business subject (enterprise, sole proprietor), that belongs to Section H - Transportation and Storage, class 52.21-Service activities related to land transportation, in accordance with NKD Rev.2.	
3.6	Statistical population
Every business subject (enterprise, sole proprietor), that belongs to Section H - Transportation and Storage, class 52.21-Service activities related to land transportation, in accordance with NKD Rev.2.	
3.7	Reference area
NTES 1 and 2, Republic of North Macedonia	
3.8	Time coverage
From 1956.	
3.9	Base period
Not applicable, SS has no database for index calculation.	
4	Unit of measure
Number, km, m.	
5	Reference period
Year.	
6	Institutional mandate
6.1	Legal acts and other agreements
National: Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/97, 21/07, 51/11, 104/13, 42/14, 192/15, 27/16, 83/18 и 220/18, 31/20), https://www.stat.gov.mk/ZakonZaStatistika.aspx	
Programme of Statistical Surveys 2018-2022 ("Official Gazette of the Republic of Macedonia" No. 22/18, 224/18 and Official Gazette of the Republic of North Macedonia No.18/20, 300/20) https://www.stat.gov.mk/Dokumenti/202012231029.pdf .	
6.2	Data sharing
All individual or personal data, in each phase of statistical processing, are treated as confidential data and may be used only for statistical purposes. When releasing data from this survey at an aggregated level, there is no need for additional data treatment for the purpose of ensuring confidentiality	
7	Confidentiality
7.1	Confidentiality - policy
Individual data are protected by the Law on State Statistics http://www.stat.gov.mk/ZakonZaStatistika.aspx . The Policy on Statistical Confidentiality https://www.stat.gov.mk/pdf/PolitikaZaDoverlivost.pdf contains the basic principles used in the SSO.	
7.2	Confidentiality - data treatment
According to the article 38 from the Law on State Statistics (https://www.stat.gov.mk/ZakonZaStatistika.aspx) and the The Policy on Statistical Confidentiality https://www.stat.gov.mk/pdf/PolitikaZaDoverlivost.pdf , all the individual data are confidential and they are not published.	
8	Release policy
8.1	Release calendar
The publication of the data is in accordance with the Release Calendar, which is prepared annually before the beginning of the calendar year and is updated quarterly.	
8.2	Release calendar access
http://www.stat.gov.mk/Kalendar_nov.aspx	
8.3	User access
In accordance with the dissemination policy, all users have equal access to statistical data at the same time. Data are released on the web site at the same time for all users, which are informed with the Release Calendar, and no user has privileged access.	
9	Frequency of dissemination
Annual.	
10	Accessibility and clarity
10.1	News release
Not applicable, SS data are not published.	
10.2	Publications

"Statistical review: ""Transport and other services, 2015"". <http://www.stat.gov.mk/Publikaciji/8.4.16.02.pdf>"

10.3	On-line database
<p>MAKSTAT database - Local roads and bridges</p> <p>http://makstat.stat.gov.mk/PXWeb/pxweb/mk/MakStat?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef</p> <p>Number of views on MAKSTAT data tables = 162</p>	
10.4	Micro-data access
<p>According to the Law on State Statistics (Article 41,42 and 43) http://www.stat.gov.mk/ZakonZaStatistika.aspx (Article 41), and the Policy on Access to Anonymised Microdata for scientific purposes http://www.stat.gov.mk/ZaNas.aspx?id=22 , data collected for the purpose of official statistics may be used for scientific purposes if there is no risk of direct or indirect identification, i.e. disclosure of data individuality. Access to microdata is possible only in the safe room at the SSO, based on a submitted and approved request and a signed agreement.</p>	
10.5	Other
<p>Survey data are sent to Eurostat and they are released on the web site of this institution.</p>	
10.6	Documentation on methodology
<p>"Methodological explanations are published on the web-page of SSO.</p> <p>http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=72&rbrObl=24</p> <p>Methodological explanations which are part of publications ""Transport and other services, 2015"". http://www.stat.gov.mk/Publikaciji/8.4.16.02.pdf</p>	
10.7	Quality documentation
<p>Not applicable.</p>	
11	Quality management
11.1	Quality assurance
<p>The quality of the processes and products in the State Statistical Office is ensured by respecting the European Code of Conduct of European Statistics (https://www.stat.gov.mk/ZaNas.aspx?id=2) and the Quality Assessment Framework within the European Statistical System (ESS Quality Assurance Framework-- https://ec.europa.eu/eurostat/documents/64157/4392716/ESS-QAF-V2.0-final.pdf). The quality criteria are also determined in the Law on State Statistics in Article 4b and Article 4c (https://www.stat.gov.mk/ZakonZaStatistika.aspx).</p>	
11.2	Quality assessment
<p>The State Statistical Office implements statistical activities in accordance with the Statistical Business Process Model, which is based on the international model - Generic Statistical Business Process Model (GSBPM). The application of this model, as well as the application of international standards in statistical production provide a high level of accuracy and comparability of data</p>	
12	Relevance
12.1	User needs
<p>Data for the roads and bridges are used by the Government, local self government as well as the business community. Business entities and other users use data on roads and bridges as indicators for creating their business policies. External users use: - indicators for roads and bridges for monitoring and analyzing situation and movements in the area of infrastructure and transport in the country.</p>	
12.2	User satisfaction
<p>The State Statistical Office conducts the User Satisfaction Survey at the domain level.</p> <p>http://www.stat.gov.mk/Dokumenti/izvestaj/lzvestajAnketaZadovNaKorisnici2015_en.pdf</p> <p>This Survey is conducted in 2009, 2012, 2015 and last one was in 2017.</p>	
12.3	Completeness
<p>"In relation with indicators that are foreseen in accordance with joint questionnaire ""Common Questionnaire data collection WEBQO"", SSO provides around 80% of them."</p>	
13	Accuracy and reliability

13.1	Overall accuracy
Data accuracy is ensured by working on decreasing sampling and/or non-sampling errors, as well as with additional data comparisons and analysis before dissemination.	
13.2	Sampling error
Not applicable (survey is with total coverage).	
13.3	Non-sampling error
Coverage errors: Full coverage is ensured. Data providers are informed for the Survey with delivering of information letters. Processing errors: Data entry was made in data entry application, manually. During data entry automatic controls are implemented , e.g: data entry control, and additional control after completion of data entry. In case of bigger shortcomings in questionnaires, data providers were contacted. Errors in non-response, non-response rate is 0%.	
14	Timeliness and punctuality
14.1	Timeliness
T+150.	
14.2	Punctuality
All data are published in accordance with the deadlines in the Release Calendar	
15	Coherence and comparability
15.1	Comparability - geographical
Data are produced on national level. Comparability is provided on international level.	
15.2	Comparability - over time
Time series from 1956 with no break in the time series. Number of reference periods in the time series from the last break - 65.	
15.3	Coherence - cross domain
Coherence between domains is not ensured.	
15.4	Coherence - internal
Internal coherence of data is ensured.	
16	Cost and burden
Not calculated.	
17	Data revision
17.1	Data revision - policy
In accordance with the Statistical Data Revision Policy http://www.stat.gov.mk/ZaNas.aspx?id=25	
17.2	Data revision - practice
Not applicable, no data revision in this SS.	
18	Statistical processing
18.1	Source data
"This statistical survey is with full coverage. Statistical questionnaire ""Annual report on road and bridges"" (TRANS.PI.21) is fill in by business entities classified in the Section H – Transportation and Storage, class 52.21-Service activities related to land transportation, in accordance with NKD Rev.2."	
18.2	Frequency of data collection
Annually.	
18.3	Data collection
"Data from the survey are collected based on total coverage by the method of self - fulfilling of the statistical questionnaire ""Annual report on road and bridges"" (TRANS.PI.21). Enterprises are filling in data in statistical questionnaires and deliver it by the mail to SSO no later than T+90."	
18.4	Data validation
Data control is committed in accordance with defined control criteria. Data control is made before and after data entry. Control is performed on the final data before its dissemination.	
18.5	Data compilation

Editing: The data received from businesses entities, after verification and correction in consultation with the reporting units, are entered in an electronic application with integrated on-line controls. Processing: Output data are defined in application.

18.6	Adjustment
-------------	-------------------

Not applicable, no series adjustment and seasonal data adjustment.

19	Comment
-----------	----------------

No comment.

A.1	Annexes
------------	----------------