

Statistical survey on local road and bridge network (situation as at 31.12.)

T_TRANS.PI.21D_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
2	Metadata update
2.1	Metadata last certified
26/10/2022	
2.2	Metadata last posted
26/10/2022	
2.3	Metadata last update
26/10/2022	
3	Statistical presentation
3.1	Data description
Data for: roads, total, asphalt, macadam, dirt, designed roads and bridges, temporary and permanent.	
3.2	Classification system
National classification of activities NKD Rev.2. Nomenclature of territorial units for statistics -NTES	
3.3	Sector coverage
Section H – Transportation and Storage, class 52.21-Service activities incidental to land transportation, in accordance with NKD Rev.2.	
3.4	Statistical concepts and definitions
Local road is a public road that connects the settlements on the territory of the municipality or which is of importance for traffic in the municipality. Contemporary roads are roads whose carriageway is covered with asphalt or cube (stone or granite). Dirt road is a public road without built carriageway and carriageway cover. Designed road is projected route of a public road whose construction has not started yet.	
3.5	Statistical unit
Reporting units are municipalities - units of local self government. Observation unit is every local road and bridge on local road.	
3.6	Statistical population
Statistical population are all local roads and bridges.	
3.7	Reference area

NTES 1 and 2 (Republic of North Macedonia),	
NTES 3 (statistical regions),	
NTES 4 (municipalities).	
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 statistics at the same time. The data are published on the website at the same time for all users, who are informed by the Release Calendar, and no user has privileged treatment. The statistical data are first published in the "News Releases" edition on the WEB page of the SSO at 12 o'clock	
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/Publikacii/8.4.16.02.pdf "	

10.3	On-line database
MAKStat - database. http://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef	
10.4	Micro-data access
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.	
10.5	Other
Survey data are sent to Eurostat and they are released on the web site of this institution.	
10.6	Documentation on methodology
"Methodological explanations are published on the web-page of SSO. http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=72&rbrObl=24 Methodological explanations which are part of publications ""Transport and other services, 2015"". http://www.stat.gov.mk/Publikacii/8.4.16.02.pdf "	
10.7	Quality documentation
Not applicable.	
11	Quality management
11.1	Quality assurance
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-OAF-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).	
11.2	Quality assessment
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 .	
12	Relevance
12.1	User needs
Data for the local roads and bridges are used by the Government, local self government as well as the business community. Business entities and other users use local roads and bridges as indicators for creating its business policies. External users use: - indicators for local roads and bridges for monitoring and analyzing situation and movements in the area of infrastructure and transport in the country and analyzing of situation for pre categorization of local roads.	
12.2	User satisfaction
The State Statistical Office conducts the User Satisfaction Survey at the domain level. http://www.stat.gov.mk/Dokumenti/izvestai/IzvestajAnketaZadovNaKorisnici2015_en.pdf This Survey is conducted in 2009, 2012, 2015 and the last one was in 2017.	
12.3	Completeness
"In relation to indicators that are foreseen in accordance with joint questionnaire ""Common Questionnaire data collection WEBQO"", SSO provides around 80% of them."	
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 the 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 days	
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
Data are coherent between diferent parts of transport statistics. Coherence with other areas 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 has full coverage. Data sources are administrative registers for local roads and bridges of the local self government units, in 80 municipalites in the Republic of North Macedonia.	
18.2	Frequency of data collection
Annually.	
18.3	Data collection
"Data from the survey are collected based on full-scale coverage with a method of self -fulfilling of statistical questionnaire ""Annual report on local road network and bridges"" (TRANS.PI.21D) via electronic system for data collecting, e-stat." The reporting units fill the data in the statistical questionnarie and submit them to the SSO not later than 90 days of the reference year.	
18.4	Data validation
Data control is performed in accordance with the 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: 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. Unit imputation = 0% Mark imputation = 0%	
18.6	Adjustment
Not applicable, no time series adjustment and seasonal data adjustment.	

19	Comment
No comment.	
A.1	Annexes