

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

T_TRANS.PI.21D_A_EN_2024_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
Branko Hinic	
1.4	Contact person function
Head of department	
1.5	Contact mail address
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1.6	Contact email address
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1.7	Contact phone number
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1.8	Contact fax number
00389 2 3111 336	
2	Metadata update
2.1	Metadata last certified
22/05/2025	
2.2	Metadata last posted
22/05/2025	

2.3	Metadata last update
22/05/2025	
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 clasiffication 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
Local road and bridge on local road.	
3.6	Statistical population
Statistical population are all local roads and bridges.	
3.7	Reference area
NUTS 1 and 2 (Republic of North Macedonia), NUTS 3 (statistical regions), NUTS 4 (municipalities).	
3.8	Time coverage
From 1956 onwards.	
3.9	Base period
Not applicable.	
4	Unit of measure
Number, km, m.	
5	Reference period
Year.	

6	Institutional mandate
6.1	Legal acts and other agreements
<p>NATIONAL LEGISLATION</p> <p>Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/1997, 21/2007, 51/2011, 104/2013, 42/2014, 192/2015, 27/16, 83/18, 220/18 and "Official Gazette of the Republic of North Macedonia" No. 31/20) (https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/)</p> <p>Programme of Statistical Surveys 2023-2027 ("Official Gazette of the Republic of North Macedonia" No. 29/23 and 57/25) (https://www.stat.mk/en/about-us/legal-acts/program-for-statistical-surveys/)</p>	
6.2	Data sharing
Not applicable.	
7	Confidentiality
7.1	Confidentiality - policy
<p>1. The protection of individual data is regulated by the Law on State Statistics (https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/).</p> <p>2. The basic principles and activities undertaken to ensure data confidentiality are described in the Policy on Statistical Confidentiality (https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/).</p>	
7.2	Confidentiality - data treatment
<p>Pursuant to Article 38 of the Law on State Statistics (https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/) and the Policy on Statistical Confidentiality (https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/), individual data are not published.</p>	
8	Release policy
8.1	Release calendar
<p>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.</p>	
8.2	Release calendar access

<https://www.stat.mk/en/publishing-calendar/#/>

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

10.2 Publications

Not applicable.

10.3 On-line database

MAKStat - database.

<https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/>

10.4 Micro-data access

The use of microdata by external users is possible only for research purposes and is done in accordance with the Law on State Statistics (Article 41, Article 42 and Article 43). Access to anonymised microdata is defined by an internal procedure of the State Statistical Office "Access to anonymised microdata for scientific research purposes" (<https://www.stat.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/>).

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
<p>The quality of the processes and products in the State Statistical Office is ensured by adhering to the European Statistics Code of Practice (https://www.stat.mk/en/about-us/quality/code-of-practice/) and the Quality Assurance 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.mk/en/about-us/legal-acts/law-on-state-statistics/).</p>	
11.2	Quality assessment
<p>The State Statistical Office carries out 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 and international standards in statistical production ensures a high level of accuracy and comparability of data.</p>	
12	Relevance
12.1	User needs
<p>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.</p> <p>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.</p>	
12.2	User satisfaction
<p>Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.</p>	
12.3	Completeness
<p>"In relation to 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
<p>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.</p>	
13.2	Sampling error
<p>Not applicable</p>	
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 achieved 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 - 169.	
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
Data revision is made in accordance with the Statistical Data Revision Policy of the SSO: (https://www.stat.mk/en/about-us/policies-and-strategies/data-revision/).	
17.2	Data revision - practice
Not applicable.	
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 municipalities in the Republic of North Macedonia.	
18.2	Frequency of data collection
Annually.	
18.3	Data collection
<p>"Data are collected based on full-scale coverage with a method of self -fullfiling of statistical questionnaire ""Annual report on local road network and bridges"" (TRANS.PI.21D) via electronic system for data collecting, e-stat."</p> <p>The reporting units fill the data in the statistical questionnaire and submit them to the SSO not later than 90 days of the reference year.</p>	
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
<p>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.</p> <p>Unit imputation = 0%</p> <p>Mark imputation = 0%</p>	
18.6	Adjustment
Not applicable, no time series adjustment and seasonal data adjustment.	
19	Comment
No comment.	
A.1	Annexes