

# Statistical survey on the value of completed and contracted construction works abroad

BS\_GRAD.33\_Q\_EN\_2024\_4

## Reference Metadata in SIMS 2.0 structure

<b>S.1</b>	<b>Contact</b>
<b>S.1.1</b>	<b>Contact organisation</b>
State Statistical Office	
<b>S.1.2</b>	<b>Contact organisation unit</b>
Department for industry, construction and bussines tendencies	
<b>S.1.3</b>	<b>Contact name</b>
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00389 2 3111 336	
<b>S.2</b>	<b>Metadata update</b>
<b>S.2.1</b>	<b>Metadata last certified</b>
10/06/2025	
<b>S.2.2</b>	<b>Metadata last posted</b>
10/06/2025	
<b>S.2.3</b>	<b>Metadata last update</b>

10/06/2025	
<b>S.3</b>	<b>Statistical presentation</b>
<b>S.3.1</b>	<b>Data description</b>
Data for value of completed and contracted construction works abroad, number of employees engaged from the Republic of Macedonia.	
<b>S.3.2</b>	<b>Classification system</b>
National Classification of Activities - NKD Rev.2; Nomenclature of type of construction and construction works - NGOGR; List of countries.	
<b>S.3.3</b>	<b>Sector coverage</b>
Section F - Construction, according to the NKD Rev.2.	
<b>S.3.4</b>	<b>Statistical concepts and definitions</b>
Value of contracted construction works is a value of the contracted works that are supposed to be realised during the reporting quarter. The value of the cancelled agreements are not included in these categories. Value of completed construction works is a value of the completed works in real on the constructions realised during the reporting quarter. The value of the completed construction works is received from the balance sheet, also called Situation. This value should include all the manufacturing and installation works and services performed during the quarter.	
<b>S.3.5</b>	<b>Statistical unit</b>
Statistical units are the business entities performing construction activities abroad and they belong to Section F - Construction, according to the NKD Rev.2.	
<b>S.3.6</b>	<b>Statistical population</b>
Business entities performing construction activities abroad and they belong to Section F - Construction, according to the NKD Rev.2.	
<b>S.3.7</b>	<b>Reference area</b>
Republic of North Macedonia	
<b>S.3.8</b>	<b>Time coverage</b>
From the first quarter of 1986.	
<b>S.3.9</b>	<b>Base period</b>
2021=100	
<b>S.4</b>	<b>Unit of measure</b>
%, thousand denars, number.	
<b>S.5</b>	<b>Reference period</b>
Quarter.	
<b>S.6</b>	<b>Institutional mandate</b>

<b>S.6.1</b>	<b>Legal acts and other agreements</b>
<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) ( <a href="https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/">https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/</a> )</p> <p>Programme of Statistical Surveys 2023-2027 ("Official Gazette of the Republic of North Macedonia" No. 29/23 and 57/25) ( <a href="https://www.stat.mk/en/about-us/legal-acts/program-for-statistical-surveys/">https://www.stat.mk/en/about-us/legal-acts/program-for-statistical-surveys/</a> )</p>	
<b>S.6.2</b>	<b>Data sharing</b>
<b>S.7</b>	<b>Confidentiality</b>
<b>S.7.1</b>	<b>Confidentiality - policy</b>
<p>1. The protection of individual data is regulated by the Law on State Statistics ( <a href="https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/">https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/</a> ).</p> <p>2. The basic principles and activities undertaken to ensure data confidentiality are described in the Policy on Statistical Confidentiality ( <a href="https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/">https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/</a> ). <a href="http://www.stat.gov.mk/ZaNas_en.aspx?id=32">http://www.stat.gov.mk/ZaNas_en.aspx?id=32</a> ).</p>	
<b>S.7.2</b>	<b>Confidentiality - data treatment</b>
<p>Pursuant to Article 38 of the Law on State Statistics ( <a href="https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/">https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/</a> ), and the Policy on Statistical Confidentiality ( <a href="https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/">https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/</a> ), individual data are not published. However, if access is granted to microdata from the relevant survey, then the methods used to prevent data disclosure should be specified.</p>	
<b>S.8</b>	<b>Release policy</b>
<b>S.8.1</b>	<b>Release calendar</b>
<p>The date of data publication is determined in the Advance Release Calendar, which is updated quarterly.</p>	
<b>S.8.2</b>	<b>Release calendar access</b>
<p><a href="https://www.stat.mk/en/publishing-calendar/#/">https://www.stat.mk/en/publishing-calendar/#/</a></p>	
<b>S.8.3</b>	<b>User access</b>
<p>All users have equal access to statistics at the same time: this means that the publication dates are announced in advance and no user has access to official statistics before they are published. Statistical data are first published in the "News Releases" edition on the website of the State Statistical Office at 12:00.</p>	
<b>S.9</b>	<b>Frequency of dissemination</b>
<p>Quarterly.</p>	

<b>S.10</b>	<b>Accessibility and clarity</b>
<b>S.10.1</b>	<b>News release</b>
News Releases are published and they are available on the website of the SSO in the section: "News Releases" ( <a href="https://www.stat.mk/en/all-new-releases">https://www.stat.mk/en/all-new-releases</a> ),	
<b>S.10.2</b>	<b>Publications</b>
<b>S.10.3</b>	<b>On-line database</b>
MAKStat database is available on the SSO web site. Number of table views from MAKStat database is 49.  <a href="http://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef">http://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef</a>	
<b>S.10.3.1</b>	<b>AC1. Data tables - consultations</b>
Number of table views from MAKStat database is 49.	
<b>S.10.4</b>	<b>Micro-data access</b>
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" ( <a href="https://www.stat.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/">https://www.stat.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/</a> ).  Number of views of announcements from the MaxStat database = 49.	
<b>S.10.5</b>	<b>Other</b>
At the request of users, data are also prepared in a form according to their needs.	
<b>S.10.5.1</b>	<b>AC 2. Metadata - consultations</b>
Not calculated.	
<b>S.10.6</b>	<b>Documentation on methodology</b>
Methodological explanations are released on the SSO web site. <a href="http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=52&amp;rbrObl=20">http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=52&amp;rbrObl=20</a>	
<b>S.10.6.1</b>	<b>AC 3. Metadata completeness - rate</b>
Not calculated.	
<b>S.10.7</b>	<b>Quality documentation</b>
<a href="https://www.stat.gov.mk/meta/esms/ESMS_GRAD33_Q_EN.pdf">https://www.stat.gov.mk/meta/esms/ESMS_GRAD33_Q_EN.pdf</a>	
<b>S.11</b>	<b>Quality management</b>
<b>S.11.1</b>	<b>Quality assurance</b>

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/> ).

#### **S.11.2 Quality assessment**

### **S.12 Relevance**

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.

#### **S.12.1 User needs**

External users are the Economic Chamber, various scientific researchers, government agencies and bodies, business subjects and other various users that have needs for the short-term statistics for their's policy creation

#### **S.12.2 User satisfaction**

Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.

#### **S.12.3 Completeness and R1. Data completeness - rate for U**

All levels of aggregation for data on completed construction works are calculated and published at the national level.

##### **S.12.3.1 R1. Data completeness - rate for P**

Not calculated.

### **S.13 Accuracy and reliability**

#### **S.13.1 Overall accuracy**

The survey methodology and the data collection method ensure good coverage and accuracy of the data.

#### **S.13.2 Sampling error and A1. Sampling errors - indicators for U**

The survey is not conducted with random sample and there is no calculation of sampling errors..

##### **S.13.2.1 A1. Sampling errors - indicators for P**

Not applicable.

#### **S.13.3 Non-sampling error and A4. Unit non-response - rate for U and A5. Item non-response - rate for U**

Coverage errors: Coverage of 100% is ensured. Data respondents are reminded on time for fulfilling their obligation. Data editing errors: Data entering is done manually. While data entering implemented are rules for automatic controls, and also additional control after finishing of data entering. If there is any higher data inconsistency the reporting units are contacted. Non - response errors: The unit non-response rate is 0%.	
<b>S.13.3.1</b>	<b>Coverage error</b>
Not calculated.	
<b>S.13.3.1.1</b>	<b>A2. Over-coverage - rate</b>
<b>S.13.3.1.2</b>	<b>A3. Common units - proportion</b>
<b>S.13.3.2</b>	<b>Measurement error</b>
Not calculated.	
<b>S.13.3.3</b>	<b>Non response error</b>
<p>This statistical survey has 75.0% unit response.</p> <p>In the process of non-response evaluation there is no breakdown of the non-responses insubcategories (refuses, not contacted, not at home, not found, lost shedule).</p> <p>The previous data for the units that haven't given response are used for comparison for biasredusement because of non-response.</p> <p>Rate of item non-response is not calculated.</p> <p>The effects of unit non-response and item non-response on the published data after the qualitymeasurement is done shows that no bias exists.</p>	
<b>S.13.3.3.1</b>	<b>A4. Unit non-response - rate</b>
Non-response units = 25.0%	
<b>S.13.3.3.2</b>	<b>A5. Item non-response - rate</b>
Not calculated.	
<b>S.13.3.4</b>	<b>Processing error</b>
No processing error is calculated while data processing	
<b>S.13.3.5</b>	<b>Model assumption error</b>
Not applicable.	
<b>S.14</b>	<b>Timeliness and punctuality</b>
<b>S.14.1</b>	<b>Timeliness and TP2. Time lag - final results for U</b>
T + 45.	
<b>S.14.1.1</b>	<b>TP1. Time lag - first results for P</b>

**S.14.1.2 TP2. Time lag - final results for P****S.14.2 Punctuality and TP3. Punctuality - delivery and publication for U**

The data are published on the day announced in the Advance Release Calendar.

**S.14.2.1 TP3. Punctuality - delivery and publication for P****S.15 Coherence and comparability****S.15.1 Comparability - geographical**

There is geographical comparability of the released data at national and regional level. With respect to geographical comparability with other EU countries, it is also ensured because data are collected in line with EU regulations.

**S.15.1.1 CC1.Asymmetry for mirror flow statistics - coefficient**

Not applicable.

**S.15.2 Comparability - over time and CC2. Length of comparable time series for U**

Time series from first quarter of 1986. The number of reference periods in the time series is 160.

**S.15.2.1 CC2. Length of comparable time series for P****S.15.3 Coherence - cross domain**

Data are coherent between various parts of construction statistics. Coherence with other themes is partly ensured.

**S.15.3.1 Coherence - sub annual and annual statistics**

Not applicable.

**S.15.3.2 Coherence - National Accounts**

Not applicable.

**S.15.4 Coherence - internal**

Internal coherence of data is ensured.

**S.16 Cost and burden**

Not calculated.

**S.17 Data revision****S.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/> ).

**S.17.2 Data revision - practice and A6. Data revision - average size for U**

Not applicable.

<b>S.17.2.1</b>	<b>A6. Data revision - average size for P</b>
Not applicable.	
<b>S.18</b>	<b>Statistical processing</b>
<b>S.18.1</b>	<b>Source data</b>
This statistical survey is a sample survey. The sample is selected from the business entities that are performing large-scale construction activities abroad. Data source is the statistical survey GRAD 33. The sample is revised every year. The sample for 2024 comprises of 16 business entities.	
<b>S.18.2</b>	<b>Frequency of data collection</b>
Quarterly.	
<b>S.18.3</b>	<b>Data collection</b>
"Data collection from the business entities is done with method of self-fulfilling the ""Quarterly report on construction activities abroad"" (GRAD.33). The business entities are fulfilling the paper questionnaire, and through the Regional statistical offices they deliver it to the State Statistical Office latest at T + 45."	
<b>S.18.4</b>	<b>Data validation</b>
Data are controlled according to the defined rules for logical controls. Data validation is done before and after data entering. For any deviation, the respondents of the survey units are contacted. Data validation is also done on the output data before their publishing.	
<b>S.18.5</b>	<b>Data compilation</b>
Editing: Data received from the business entities, after the control and if needed some corrections in consultation with the respondent units, are entered on electronic medium via application with implemented on-line data controls. Calculation: The output data are defined in the application.	
<b>S.18.5.1</b>	<b>A7. Imputation - rate</b>
Not calculated.	
<b>S.18.6</b>	<b>Adjustment</b>
Seasonal and working day adjustment are not implemented.	
<b>S.18.6.1</b>	<b>Seasonal adjustment</b>
Not applicable.	
<b>S.19</b>	<b>Comment</b>
No comment.	
<b>A.1</b>	<b>Annexes</b>