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Reference Metadata in ESMS 2.0 structure

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

BS\_GRAD.33\_Q\_EN\_2021\_0

## Reference Metadata in ESMS 2.0 structure

<b>1</b>	<b>Contact</b>
<b>1.1</b>	<b>Contact organisation</b>
State Statistical Office	
<b>1.2</b>	<b>Contact organisation unit</b>
Department for industry, construction and bussines tendencies	
<b>1.3</b>	<b>Contact name</b>
Dragan Nedelchin	
<b>1.4</b>	<b>Contact person function</b>
Junior associate	
<b>1.5</b>	<b>Contact mail address</b>
Dame Gruev 4, 1000 Skopje, Republic of North Macedonia	
<b>1.6</b>	<b>Contact email address</b>
dragan.nedelcin@stat.gov.mk	
<b>1.7</b>	<b>Contact phone number</b>
3295-659	
<b>1.8</b>	<b>Contact fax number</b>
<b>2</b>	<b>Metadata update</b>
<b>2.1</b>	<b>Metadata last certified</b>
18/10/2022	
<b>2.2</b>	<b>Metadata last posted</b>
18/10/2022	
<b>2.3</b>	<b>Metadata last update</b>

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18/10/2022	
<b>3</b>	<b>Statistical presentation</b>
<b>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>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>3.3</b>	<b>Sector coverage</b>
Section F - Construction, according to the NKD Rev.2.	
<b>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>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>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>3.7</b>	<b>Reference area</b>
Republic of North Macedonia	
<b>3.8</b>	<b>Time coverage</b>
From the first quarter of 1986.	
<b>3.9</b>	<b>Base period</b>
2020=100	
<b>4</b>	<b>Unit of measure</b>
%, thousand denars, number.	
<b>5</b>	<b>Reference period</b>
Quarter.	

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<b>6</b>	<b>Institutional mandate</b>
<b>6.1</b>	<b>Legal acts and other agreements</b>
<p>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 , 220/18 and 31/20)  <a href="http://www.stat.gov.mk/ZakonZaStatistika_en.aspx">http://www.stat.gov.mk/ZakonZaStatistika_en.aspx</a> , Programme of Statistical Surveys 2018-2022 ("Official Gazette of the Republic of Macedonia" No. 22/18, 224/18 and 6p.18/20 and 300/20). <a href="http://www.stat.gov.mk/ZaNas_en.aspx?id=8">http://www.stat.gov.mk/ZaNas_en.aspx?id=8</a></p>	
<b>6.2</b>	<b>Data sharing</b>
<b>7</b>	<b>Confidentiality</b>
<b>7.1</b>	<b>Confidentiality - policy</b>
<p>Individual data are protected by the Law on State Statistics <a href="http://www.stat.gov.mk/ZakonZaStatistika_en.aspx">http://www.stat.gov.mk/ZakonZaStatistika_en.aspx</a> . Data collected with statistical surveys from the reporting units or indirectly from administrative or other sources are confidential data and are used only for statistical purposes. Results from the statistical processing may also generate information considered as confidential, for example: anonymised individual data, tables with low level of aggregation, as well as unreleased data. The Policy on Statistical Confidentiality contains the basic principles used in the SSO. <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>7.2</b>	<b>Confidentiality - data treatment</b>
<p>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.</p>	
<b>8</b>	<b>Release policy</b>
<b>8.1</b>	<b>Release calendar</b>
<p>Data are released in accordance with the Release Calendar, which is published on the web site of the State Statistical Office. The Release Calendar is prepared annually before the beginning of each year and is updated quarterly.</p>	
<b>8.2</b>	<b>Release calendar access</b>
<p><a href="http://www.stat.gov.mk/Kalendar_nov_en.aspx">http://www.stat.gov.mk/Kalendar_nov_en.aspx</a></p>	
<b>8.3</b>	<b>User access</b>
<p>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.</p>	
<b>9</b>	<b>Frequency of dissemination</b>

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Quarterly.	
<b>10</b>	<b>Accessibility and clarity</b>
<b>10.1</b>	<b>News release</b>
"Quarterly release ""Value of contracted and completed construction works abroad"". Number of page views is 124. <a href="http://www.stat.gov.mk/PrikaziSooopstenie_en.aspx?rbtxt=52">http://www.stat.gov.mk/PrikaziSooopstenie_en.aspx?rbtxt=52</a> "	
<b>10.2</b>	<b>Publications</b>
<b>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 30. <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>10.4</b>	<b>Micro-data access</b>
According to the Law on State Statistics <a href="http://www.stat.gov.mk/ZakonZaStatistika_en.aspx">http://www.stat.gov.mk/ZakonZaStatistika_en.aspx</a> (Article 41) and the Policy on Access to Anonymised Microdata for scientific purposes, data collected for the purpose of official statistics <a href="http://www.stat.gov.mk/ZaNas_en.aspx?id=22%20">http://www.stat.gov.mk/ZaNas_en.aspx?id=22%20</a> 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.	
<b>10.5</b>	<b>Other</b>
<b>10.6</b>	<b>Documentation on methodology</b>
Methodological explanations are released on the SSO web site. <a href="http://www.stat.gov.mk/MetodoloskiObjasSooop_en.aspx?id=52&amp;rbrObl=20">http://www.stat.gov.mk/MetodoloskiObjasSooop_en.aspx?id=52&amp;rbrObl=20</a>	
<b>10.7</b>	<b>Quality documentation</b>
<b>11</b>	<b>Quality management</b>
<b>11.1</b>	<b>Quality assurance</b>

The commitment of the SSO to ensuring quality of products and services is described in the Law on State Statistics, the Strategy of the State Statistical Office ([http://www.stat.gov.mk/ZaNas\\_en.aspx?id=6](http://www.stat.gov.mk/ZaNas_en.aspx?id=6)) and the Quality Policy of the State Statistical Office ([http://www.stat.gov.mk/ZaNas\\_en.aspx?id=24](http://www.stat.gov.mk/ZaNas_en.aspx?id=24)), as well as in the continuous efforts for harmonisation with the European Statistics Code of Practice. The main aspects and procedures for quality management in the phases and sub-phases of the Statistical Business Process Model, as well as the good practices for ensuring quality are documented in the internal document called "Guide for ensuring quality of statistical processes". Input and output metadata, as well as relevant quality indicators for certain sub-processes are described in the document "Guide for survey managers".

## 11.2 Quality assessment

## 12 Relevance

### 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

### 12.2 User satisfaction

The State Statistical Office conducts the User Satisfaction Survey at the domain level. This Survey is conducted every three years and the last one was in 2015. [http://www.stat.gov.mk/ZaNas\\_en.aspx?id=33](http://www.stat.gov.mk/ZaNas_en.aspx?id=33)

### 12.3 Completeness

## 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

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

### 13.3 Non-sampling error

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%.

## 14 Timeliness and punctuality

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<b>14.1</b>	<b>Timeliness</b>
T + 45.	
<b>14.2</b>	<b>Punctuality</b>
Data are disseminated within the established deadlines in accordance with the Release Calendar.	
<b>15</b>	<b>Coherence and comparability</b>
<b>15.1</b>	<b>Comparability - geographical</b>
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.	
<b>15.2</b>	<b>Comparability - over time</b>
Time series from first quarter of 1986. The number of reference periods in the time series is 144.	
<b>15.3</b>	<b>Coherence - cross domain</b>
Data are coherent between various parts of construction statistics. Coherence with other themes is partly ensured.	
<b>15.4</b>	<b>Coherence - internal</b>
Internal coherence of data is ensured.	
<b>16</b>	<b>Cost and burden</b>
<b>17</b>	<b>Data revision</b>
<b>17.1</b>	<b>Data revision - policy</b>
In accordance with the Statistical Data Revision Policy. <a href="http://www.stat.gov.mk/ZaNas_en.aspx?id=25">http://www.stat.gov.mk/ZaNas_en.aspx?id=25</a>	
<b>17.2</b>	<b>Data revision - practice</b>
<b>18</b>	<b>Statistical processing</b>
<b>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 2021 comprises of 31 business entities.	
<b>18.2</b>	<b>Frequency of data collection</b>
Quarterly.	

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<b>18.3</b>	<b>Data collection</b>
<p>"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."</p>	
<b>18.4</b>	<b>Data validation</b>
<p>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.</p>	
<b>18.5</b>	<b>Data compilation</b>
<p>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.</p>	
<b>18.6</b>	<b>Adjustment</b>
<p>Seasonal and working day adjustment are not implemented.</p>	
<b>19</b>	<b>Comment</b>
<b>A.1</b>	<b>Annexes</b>

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