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Reference Metadata in ESMS 2.0 structure

# Statistical survey on construction costs for new residential buildings

P\_T.GRAD\_Q\_EN\_2021\_4

## 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 prices	
<b>1.3</b>	<b>Contact name</b>
Elizabeta Trajkovska	
<b>1.4</b>	<b>Contact person function</b>
Senior 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>
elizabeta.trajkovska@stat.gov.mk	
<b>1.7</b>	<b>Contact phone number</b>
00389 2 3295 660	
<b>1.8</b>	<b>Contact fax number</b>
00389 2 3111 336	
<b>2</b>	<b>Metadata update</b>
<b>2.1</b>	<b>Metadata last certified</b>
20/10/2022	
<b>2.2</b>	<b>Metadata last posted</b>
20/10/2022	
<b>2.3</b>	<b>Metadata last update</b>

State Statistical Office

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20/10/2022	
<b>3</b>	<b>Statistical presentation</b>
<b>3.1</b>	<b>Data description</b>
Construction cost index for new residential buildings; Material cost index; Labour cost index.	
<b>3.2</b>	<b>Classification system</b>
National Classification of Activities - NKD Rev.2, National Nomenclature of Industrial Products (NNIP), Nomenclature of type of constructions and construction works.	
<b>3.3</b>	<b>Sector coverage</b>
Section F - Construction, Division 41 - Construction of new residential buildings	
<b>3.4</b>	<b>Statistical concepts and definitions</b>
The Construction cost index for new residential buildings is calculated as a weighted average of the construction material costs index and the labour cost index.	
<b>3.5</b>	<b>Statistical unit</b>
Secondary survey. Statistical units are defined with primary surveys.	
<b>3.6</b>	<b>Statistical population</b>
Secondary survey. Statistical population is defined with primary surveys.	
<b>3.7</b>	<b>Reference area</b>
Republic of North Macedonia	
<b>3.8</b>	<b>Time coverage</b>
Since January 2005.	
<b>3.9</b>	<b>Base period</b>
2015 = 100.	
<b>4</b>	<b>Unit of measure</b>
Indices.	
<b>5</b>	<b>Reference period</b>
Month.	
<b>6</b>	<b>Institutional mandate</b>
<b>6.1</b>	<b>Legal acts and other agreements</b>

**National:**

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 and 220/18 and "Official Gazette of the Republic of North Macedonia" No. 31/20),

[https://www.stat.gov.mk/ZakonZaStatistika\\_en.aspx](https://www.stat.gov.mk/ZakonZaStatistika_en.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 and 300/20).

[https://www.stat.gov.mk/ZaNas\\_en.aspx?id=8](https://www.stat.gov.mk/ZaNas_en.aspx?id=8)

**International:**

Council Regulation 1165/98

COMMISSION REGULATION (EC) No 1503/2006

of 28 September 2006

implementing and amending Council Regulation (EC) No 1165/98

Regulation (EU) 2019/2152 on European business statistics, and it's implementing

Regulation 2020/1197 laying down technical specifications.

Eurostat Methodology of short-term business statistics, 2006.

<b>6.2</b>	<b>Data sharing</b>
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Indices are sent (via eDAMIS) to Eurostat.

<b>7</b>	<b>Confidentiality</b>
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<b>7.1</b>	<b>Confidentiality - policy</b>
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1. The protection of individual data is regulated by the Law on State Statistics

[https://www.stat.gov.mk/ZakonZaStatistika\\_en.aspx](https://www.stat.gov.mk/ZakonZaStatistika_en.aspx)

2. The basic principles and activities undertaken to ensure data confidentiality are described in the Policy on Statistical Confidentiality

<https://www.stat.gov.mk/pdf/PolicyOnStatisticalConfidentiality.pdf>

<b>7.2</b>	<b>Confidentiality - data treatment</b>
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Pursuant to Article 38 of the Law on State Statistics

[https://www.stat.gov.mk/ZakonZaStatistika\\_en.aspx](https://www.stat.gov.mk/ZakonZaStatistika_en.aspx)

and the Policy on Statistical Confidentiality

<https://www.stat.gov.mk/pdf/PolicyOnStatisticalConfidentiality.pdf> , 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.

<b>8</b>	<b>Release policy</b>
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<b>8.1</b>	<b>Release calendar</b>
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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.

## 8.2 Release calendar access

[https://www.stat.gov.mk/Kalendar\\_en.aspx](https://www.stat.gov.mk/Kalendar_en.aspx)

## 8.3 User access

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.

## 9 Frequency of dissemination

Monthly and quarterly.

## 10 Accessibility and clarity

### 10.1 News release

In accordance with the Dissemination Strategy

<https://www.stat.gov.mk/Dokumenti/strategii/StrategijaDiseminacija2014-2016en.pdf> News releases are published monthly and they are available on the website of the SSO in this section: "News Releases".

Release "Construction cost indices for new residential buildings".

[https://www.stat.gov.mk/PrethodniSoopstenijaOblast\\_en.aspx?id=101&rbrObl=15](https://www.stat.gov.mk/PrethodniSoopstenijaOblast_en.aspx?id=101&rbrObl=15)

### 10.2 Publications

Publications:

Monthly statistical bulletin

[http://www.stat.gov.mk/PublikaciiPoOblast\\_en.aspx?id=28&rbrObl=37](http://www.stat.gov.mk/PublikaciiPoOblast_en.aspx?id=28&rbrObl=37)

Statistical Yearbook

[http://www.stat.gov.mk/PublikaciiPoOblast\\_en.aspx?id=34&rbrObl=37](http://www.stat.gov.mk/PublikaciiPoOblast_en.aspx?id=34&rbrObl=37)

### 10.3 On-line database

MAKStat-database - Prices.

<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

[http://www.stat.gov.mk/ZakonZaStatistika\\_en.aspx](http://www.stat.gov.mk/ZakonZaStatistika_en.aspx)

(Article 41) and the Policy on Access to Anonymised Microdata for scientific purposes, [http://www.stat.gov.mk/ZaNas\\_en.aspx?id=22](http://www.stat.gov.mk/ZaNas_en.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

At the request of users, data are also prepared in a form according to their needs. Survey data are sent to Eurostat and they are released on the web site of this institution.

## 10.6 Documentation on methodology

The methodological explanations are released on the State Statistical Office

[https://www.stat.gov.mk/PrethodniSoopstenijaOblast\\_en.aspx?id=101&rbrObl=15](https://www.stat.gov.mk/PrethodniSoopstenijaOblast_en.aspx?id=101&rbrObl=15)

Methodology of short-term business statistics by Eurostat

<https://circabc.europa.eu/sd/a/fd45995c-7bfd-4db0-986e-14ac23072343/Methodological%20manual%202006%20KS-BG-06-001-EN.pdf>

## 10.7 Quality documentation

[https://www.stat.gov.mk/Meta\\_godini\\_en.aspx](https://www.stat.gov.mk/Meta_godini_en.aspx)

## 11 Quality management

### 11.1 Quality assurance

State Statistics [https://www.stat.gov.mk/ZakonZaStatistika\\_en.aspx](https://www.stat.gov.mk/ZakonZaStatistika_en.aspx), 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/pdf/Politika\\_za\\_kvalitet\\_en.pdf](http://www.stat.gov.mk/pdf/Politika_za_kvalitet_en.pdf), as well as in the continuous efforts for harmonisation with the European Statistics Code of Practice

[https://www.stat.gov.mk/ZaNas\\_en.aspx?id=2](https://www.stat.gov.mk/ZaNas_en.aspx?id=2)

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

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.

## 12 Relevance

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<b>12.1</b>	<b>User needs</b>
<p>The Construction cost indices for new residential buildings are intended for reviewing or monitoring the costs incurred by construction companies during the execution of the process of building new residential buildings.</p> <p>The indices are also used as an input for calculations in national accounts and in construction statistics.</p> <p>Construction companies also use Construction cost indices when they refer to the movements of costs in drafting construction contracts.</p>	
<b>12.2</b>	<b>User satisfaction</b>
<p>Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.</p>	
<b>12.3</b>	<b>Completeness</b>
<p>According to the regulations given in concept 6.1, the State Statistical Office provides all required data.</p>	
<b>13</b>	<b>Accuracy and reliability</b>
<b>13.1</b>	<b>Overall accuracy</b>
<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>	
<b>13.2</b>	<b>Sampling error</b>
<p>Secondary survey. Determined by sampling errors in primary surveys.</p>	
<b>13.3</b>	<b>Non-sampling error</b>
<p>Secondary survey. Determined by non-sampling errors in primary surveys.</p>	
<b>14</b>	<b>Timeliness and punctuality</b>
<b>14.1</b>	<b>Timeliness</b>
<p>Construction cost index for new residential buildings are published no later than 65 days (T+65) after the end of the reference period as definitive data.</p>	
<b>14.2</b>	<b>Punctuality</b>
<p>Data are disseminated within the established deadlines in accordance with the Release Calendar.</p>	
<b>15</b>	<b>Coherence and comparability</b>
<b>15.1</b>	<b>Comparability - geographical</b>
<p>The data are produced at the national level. Comparability is ensured at the international level.</p>	

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<b>15.2</b>	<b>Comparability - over time</b>
Time series from 2005 according to NKD Rev.2 (2015=100) and time series comparability is ensured.	
<b>15.3</b>	<b>Coherence - cross domain</b>
The coherence with primwry surveys assured.	
<b>15.4</b>	<b>Coherence - internal</b>
The internal coherence assured.	
<b>16</b>	<b>Cost and burden</b>
It is not calculated.	
<b>17</b>	<b>Data revision</b>
<b>17.1</b>	<b>Data revision - policy</b>
Data revision is made in accordance with the Statistical Data Revision Policy of the SSO: <a href="https://www.stat.gov.mk/ZaNas_en.aspx?id=25">https://www.stat.gov.mk/ZaNas_en.aspx?id=25</a> .	
<b>17.2</b>	<b>Data revision - practice</b>
The revision of data is done with changing of base year (every five years) and with changes in the classifications.	
<b>18</b>	<b>Statistical processing</b>
<b>18.1</b>	<b>Source data</b>
<p>"Data sources are the surveys "Monthly report on industrial producer prices on the domestic market" (C.DOMA) and ""Monthly survey on employees and wages"" (TRUD.1).</p> <p>From the survey C.DOMA are undertaken data on individual producer price indices on the domestic market, which are used in construction (92 products) and belong to classes: 08.11; 08.12; 08.99; 16.10; 16.23; 20.16; 20.30; 20.52; 20.59; 22.21; 23.12; 23.20; 23.32; 23.51; 23.52; 23.61; 23.62; 23.63; 23.64; 23.70; 23.99; 24.10; 24.20; 24.33; 24.34; 25.11; 25.12; 25.93; 27.32; 31.02.</p> <p>From the survey TRUD 1 are undertaken data on average paid gross-wages per employee in the sector F - Construction, Section 41 - Construction of buildings NKD Rev. 2.</p>	
<b>18.2</b>	<b>Frequency of data collection</b>
Monthly.	
<b>18.3</b>	<b>Data collection</b>
Secondary survey, data collection is through the primary surveys.	
<b>18.4</b>	<b>Data validation</b>
Secondary survey, data are checked in the primary surveys.	

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<b>18.5</b>	<b>Data compilation</b>
Imputation are phases that are implemented in the primary surveys.	
<b>18.6</b>	<b>Adjustment</b>
No data adjustment is made.	
<b>19</b>	<b>Comment</b>
No comment	
<b>A.1</b>	<b>Annexes</b>

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