

## Statistical survey on turnover in industry

BS\_IND.2\_M\_EN\_2021\_12

## 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 business tendencies	
<b>1.3</b>	<b>Contact name</b>
Goran Stojkovicj	
<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>
goran.stojkovic@stat.gov.mk	
<b>1.7</b>	<b>Contact phone number</b>
00 389 2 3295 656	
<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>
21/10/2022	
<b>2.2</b>	<b>Metadata last posted</b>
21/10/2022	
<b>2.3</b>	<b>Metadata last update</b>
21/10/2022	

<b>3</b>	<b>Statistical presentation</b>
<b>3.1</b>	<b>Data description</b>
	Turnover indices in industry, total, on domestic market and non-domestic market (total, sectors, main industrial groupings, divisions, groups of products).
<b>3.2</b>	<b>Classification system</b>
	<ul style="list-style-type: none"> <li>• National Classification of Activities - NKD Rev. 2,</li> <li>• National Nomenclature of Industrial Products - NNIP,</li> <li>• Main Industrial Groupings - GIG.</li> </ul>
<b>3.3</b>	<b>Sector coverage</b>
	<p>Sectors:</p> <p>B - Mining and quarrying,</p> <p>C - Manufacturing industry of the National Classification of Activities NACE Rev.2.</p>
<b>3.4</b>	<b>Statistical concepts and definitions</b>
	The value of the turnover is an invoiced value that the reporting unit has achieved on the basis of sales of goods and services in the reporting month. It coincides with the market value of goods sold and services supplied to third parties in the domestic and foreign market. The value of the turnover should include all costs of transportation and packaging and all taxes of the invoiced goods and services of the reporting unit apart from the value added tax (VAT) and excise duties. We exclude all discounts and price reductions and value of returned packaged goods, except cash discounts. Discounts, reductions and additional bonuses that are credited to the customers, are also excluded.
<b>3.5</b>	<b>Statistical unit</b>
	Business entities that produce and sale industrial products from own production on the domestic and non-domestic market, in sectors B - Mining and quarrying and C - manufacturing from the National Classification of Activities - NACE Rev.2.
<b>3.6</b>	<b>Statistical population</b>
	Business entities that produce and sale industrial products from own production on the domestic and non-domestic market, in sectors B - Mining and quarrying and C - manufacturing from the National Classification of Activities - NACE Rev.2.
<b>3.7</b>	<b>Reference area</b>
	Republic of North Macedonia

<b>3.8</b>	<b>Time coverage</b>
From 2010.	
<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>
<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.gov.mk/ZakonZaStatistika_en.aspx">https://www.stat.gov.mk/ZakonZaStatistika_en.aspx</a>)  Programme of Statistical Surveys 2018-2022 ("Official Gazette of RM" No. 22/18, 224/18 and "Official Gazette of the Republic of North Macedonia" No. 18/20 and 300/20.)  (<a href="https://www.stat.gov.mk/ZaNas_en.aspx?id=8">https://www.stat.gov.mk/ZaNas_en.aspx?id=8</a>)</p> <p>EUROPEAN LEGISLATION</p> <p>Commission Implementing Regulation (EU) 2020/1197 of 30 July 2020 laying down technical specifications and arrangements pursuant to Regulation (EU) 2019/2152 of the European Parliament and of the Council on European business statistics repealing 10 legal acts in the field of business statistics.</p>	
<b>6.2</b>	<b>Data sharing</b>
Indices are sent (via EDAMIS) to Eurostat.	
<b>7</b>	<b>Confidentiality</b>
<b>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.gov.mk/ZakonZaStatistika_en.aspx">https://www.stat.gov.mk/ZakonZaStatistika_en.aspx</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.gov.mk/pdf/PolicyOnStatisticalConfidentiality.pdf">https://www.stat.gov.mk/pdf/PolicyOnStatisticalConfidentiality.pdf</a>).</p>	
<b>7.2</b>	<b>Confidentiality - data treatment</b>

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.

## 8 Release policy

### 8.1 Release calendar

The date of data publication is determined in the Advance Release Calendar, which is updated quarterly.

### 8.2 Release calendar access

[http://www.stat.gov.mk/Kalendar\\_nov.aspx](http://www.stat.gov.mk/Kalendar_nov.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.

## 10 Accessibility and clarity

### 10.1 News release

In accordance with the Dissemination Strategy (<http://www.stat.gov.mk/Dokumenti/strategiji/StrategijaDiseminacija2014-2016en.pdf>), news releases are published monthly and they are available on the website of the SSO in the section: "News Releases".

### 10.2 Publications

Statistical Yearbook (link: [https://www.stat.gov.mk/PrikaziPublikacija\\_1\\_en.aspx?rbr=845](https://www.stat.gov.mk/PrikaziPublikacija_1_en.aspx?rbr=845))

### 10.3 On-line database

MAKSat Database - Industry

<http://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef>

### 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.gov.mk/ZaNas\\_en.aspx?id=22](https://www.stat.gov.mk/ZaNas_en.aspx?id=22)).

## 10.5 Other

At the request of users, data are also prepared in a form according to their needs.

Data are disseminated by EDAMIS to EUROSTAT.

## 10.6 Documentation on methodology

Methodological explanations are published on the website of the SSO.

[http://www.stat.gov.mk/MetodoloskiObjasSoop\\_en.aspx?id=102&rbrObl=19](http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=102&rbrObl=19)

## 10.7 Quality documentation

# 11 Quality management

## 11.1 Quality assurance

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

## 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

## 12.1 User needs

Data from the monthly survey for turnover in industry are used by various government institutions in order to monitor the economic situation in the country and as short-term indicator they represent the point of reference for implementation of various economic analyzes, creating strategic plans for taking further actions and making decisions for the implementation of economic politics.

## 12.2 User satisfaction

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

### 12.3 Completeness

Not applicable.

## 13 Accuracy and reliability

### 13.1 Overall accuracy

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

### 13.2 Sampling error

Not applicable.

### 13.3 Non-sampling error

Errors in coverage: It provides 100% coverage from the reporting units from the sample.  
 Errors in processing: In the application for data processing, the control rules and calculations of output data are implemented.  
 Errors in non-response: Imputation is performed with data from some previous periods.

## 14 Timeliness and punctuality

### 14.1 Timeliness

T+45

### 14.2 Punctuality

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

## 15 Coherence and comparability

### 15.1 Comparability - geographical

There is geographical comparability of the produced data at national and regional level (with other EU countries).

### 15.2 Comparability - over time

Time series from January 2010 according to NACE Rev.2 (2015 = 100) and there is no interruption of time series.

Number of reference periods in the time series from the last interruption is 144.

### 15.3 Coherence - cross domain

Data are coherent between different parts of industrial statistics.  
Coherence with other areas is partially provided.

#### 15.4 Coherence - internal

Internal data coherence is ensured, data is controlled and analyzed in the production process.

#### 16 Cost and burden

In the e-questionnaires on the reporting units we have included the question of how long it takes to complete the questionnaire in order to reduce the burden on the reporting unit.

#### 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.gov.mk/ZaNas\\_en.aspx?id=25](https://www.stat.gov.mk/ZaNas_en.aspx?id=25) ).

##### 17.2 Data revision - practice

Data revision is made when the base year is changed in 2015 = 100 in 2018. The industrial turnover indices from 2010 to 2017 on base year 2010, were rebased on the new base year 2015.

#### 18 Statistical processing

##### 18.1 Source data

This statistical survey is a sample survey.

The sample is selected from the business entities that are include in the "PRODCOM Survey for Industry".

The sample in 2015 covers 85% of the turnover in the industry, on total, 93% of the turnover on non-domestic market and 62% of the turnover on domestic market. The sample in 2015 includes 500 business entities.

Updating of the sample is carried out every five years.

##### 18.2 Frequency of data collection

Monthly.

##### 18.3 Data collection

Data are collected by statistical questionnaire: "Monthly survey for turnover in industry" (IND.2) that is available to the reporting units on the website of the SSO ( [www.stat.gov.mk](http://www.stat.gov.mk) ) through the system for electronic data collection (e-Stat).

##### 18.4 Data validation

Data verification is done in accordance with the defined control criteria. Data control is performed before and after data entry. For deviations we contact the reporting units. Verification is also done on the final indices before their publication.

<b>18.5</b>	<b>Data compilation</b>
<p>Imputation: Imputation of nonresponses is done with data from some previous periods.</p> <p>Wheithing: The weights for the turnover in the industry, total, is the value of the turnover from the final accounts of the enterprises for 2015, by kind of activity, aggregated at the level of groups of products, i.e. to three digits of NKD Rev.2. The weights for the turnover in the industry on non-domestic market is the value of the turnover of the enterprises realized from the export of their own production, by kind of activity, aggregated at the level of groups of products, i.e. to three digits of NKD Rev.2, according to the structure of the value of the export from the "External Trade, 2015". The weights for the turnover in the industry on domestic market are performed as a difference from the weights of the turnover in the industry, total and the weights for the turnover in the industry on non-domestic markets. The weights are changed every five years, and 2015 is used as a base year.</p>	
<b>18.6</b>	<b>Adjustment</b>
<p>The JDemetra + model is used to eliminate monthly variations caused by the different number of days.</p>	
<b>19</b>	<b>Comment</b>
<b>A.1</b>	<b>Annexes</b>