

Reference Metadata in SIMS 2.0 structure

## Statistical survey on industry (annual)

BS\_IND.21\_A\_EN\_2024\_1

### Reference Metadata in SIMS 2.0 structure

S.1	Contact
S.1.1	Contact organisation
State Statistical Office	
S.1.2	Contact organisation unit
Department for industry, construction statistics and business tendencies	
S.1.3	Contact name
Zoran Stanojkovski	
S.1.4	Contact person function
Head of department	
S.1.5	Contact mail address
Dame Gruev 4, 1000 Skopje, Republic of North Macedonia	
S.1.6	Contact email address
zoran.stanojkovski@stat.gov.mk	
S.1.7	Contact phone number
00389 2 3295 656	
S.1.8	Contact fax number
S.2	Metadata update
S.2.1	Metadata last certified
12/06/2025	
S.2.2	Metadata last posted
12/06/2025	
S.2.3	Metadata last update
12/06/2025	

<b>S.3</b>	<b>Statistical presentation</b>
<b>S.3.1</b>	<b>Data description</b>
The production of industrial products in natural measurement units and value, the internal consumption of the own products in measurement natural units, stocks of finished products intended for sale in natural units, the realization in natural measurement units and value, realization on the internal market in natural units and value.	
<b>S.3.2</b>	<b>Classification system</b>
National Classification of Activities - NKD Rev. 2,  National Nomenclature of Industrial Products - NNIP	
<b>S.3.3</b>	<b>Sector coverage</b>
Sectors:  B - Mining and quarrying,  C - Manufacturing,  D - Electricity, gas, steam and air conditioning supply and  E (division 38) - Waste collection, treatment and disposal activities; materials recovery.	
<b>S.3.4</b>	<b>Statistical concepts and definitions</b>
<p><b>Finished product</b> - The term finished product means any product which in the production process has reached an appropriate level of workmanship and in the nomenclature of industrial products, which is an integral part of this methodology is listed under a separate title, with code, and unit of measurement.</p> <p><b>Sold production</b> - production that is sold (invoiced) during the reporting period regardless of the time period when production is realized.</p> <p><b>Total realized production</b> - total realized production in the reporting period, whether sold, whether it is in stock or used for further processing.</p>	
<b>S.3.5</b>	<b>Statistical unit</b>
<p>Statistical units are enterprises distributed in industrial and mining sectors of the National Classification of Activities - NKD Rev.2:</p> <p>B - Mining and quarrying,</p> <p>C - Manufacturing,</p> <p>D - Electricity, gas, steam and air conditioning supply and</p> <p>E (division 38) - Waste collection, treatment and disposal activities; materials recovery.</p> <p>Statistical units are also the units of the enterprises that produce industrial products, and its parent company does not belong to industrial sectors but in forestry, construction and the like.</p>	

Business entities which industrial activity is performed on the territory of two or more municipalities are divided into the statistical units as there are municipalities on which territory the business entities are practicing.

### **S.3.6 Statistical population**

Statistical population are all business entities belonging to one of the sectors:

B - Mining and quarrying,

C - Manufacturing,

D - Electricity, gas, steam and air conditioning supply and

E (division 38) - Waste collection, treatment and disposal activities; materials recovery from the National classification of activities - NKD Rev. 2.

### **S.3.7 Reference area**

Republic of North Macedonia

### **S.3.8 Time coverage**

- From 1952-1999 according Unique Classification of Activities (EKD) and the Nomenclature of Industrial Products.
- From 2000-2008 according to the National Classification of Activities - NKD Rev.1 and the National Nomenclature of Industrial Products (NNIP).
- From 2009 the National Classification of Activities - NKD Rev.2 and the National Nomenclature of Industrial Products (NNIP) are applied.

### **S.3.9 Base period**

Not applicable.

### **S.4 Unit of measure**

In accordance with NNIP (for e.g. t, m2, m3, piece, '000 pieces, '000 m2 etc.).

### **S.5 Reference period**

Year.

### **S.6 Institutional mandate**

#### **S.6.1 Legal acts and other agreements**

NATIONAL LEGISLATION

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/

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/> )

## EUROPEAN LEGISLATION

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.

**S.6.2 Data sharing**

Data are disseminated to EUROSTAT by EDAMIS from 2012.

**S.7 Confidentiality****S.7.1 Confidentiality - policy**

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/> ).
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/> ).

**S.7.2 Confidentiality - data treatment**

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.

**S.8 Release policy****S.8.1 Release calendar**

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

**S.8.2 Release calendar access**

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

**S.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.

**S.9 Frequency of dissemination**

Annually.	
<b>S.10</b>	<b>Accessibility and clarity</b>
<b>S.10.1</b>	<b>News release</b>
Not applicable, data are not published in news release.	
<b>S.10.2</b>	<b>Publications</b>
Statistical Yearbook ( link: <a href="https://www.stat.gov.mk/PrikaziPublikacija_1_en.aspx?rbr=915">https://www.stat.gov.mk/PrikaziPublikacija_1_en.aspx?rbr=915</a> )	
<b>S.10.3</b>	<b>On-line database</b>
<a href="https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Industrija_Bazna2021/525_P_roizvodstvo_na_ind_proizv_po_godini.ml.px/">https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Industrija_Bazna2021/525_P_roizvodstvo_na_ind_proizv_po_godini.ml.px/</a>	
<b>S.10.3.1</b>	<b>AC1. Data tables - consultations</b>
The number of views is 183.	
<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> ).	
<b>S.10.5</b>	<b>Other</b>
At the request of users, data are also prepared in a form according to their needs.  Data are disseminated by EDAMIS to EUROSTAT.	
<b>S.10.5.1</b>	<b>AC 2. Metadata - consultations</b>
Not applicable.	
<b>S.10.6</b>	<b>Documentation on methodology</b>
Methodological explanations are available in Statistical yearbook where are published data for annual industrial production. <a href="http://www.stat.gov.mk/Publikaciji/PDFSG2016/11-IndGradEn-InConstrEner.pdf">http://www.stat.gov.mk/Publikaciji/PDFSG2016/11-IndGradEn-InConstrEner.pdf</a>	
<b>S.10.6.1</b>	<b>AC 3. Metadata completeness - rate</b>
Not applicable.	
<b>S.10.7</b>	<b>Quality documentation</b>
<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](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**

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 Relevance**

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

The data is used by the business community, chambers of commerce in the country and the Government.

#### **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**

Not applicable.

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

Not applicable.

### **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**

Not applicable.

##### **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**

Errors in coverage: About 75% coverage is provided. Data providers are reminded on time to fulfill their obligation.

Errors in processing: In the application for processing are implemented rules for controls and calculations of output.

Errors in non-response: Reporting units that do not submit a report within the legally prescribed timeliness are contact by telephone. Also reporting units that submitted reports incompletely, are contacted by telephone in order to provide the requested information. If the reporting units that are already included in the monthly survey IND.1 did not submit data imputation of production obtained with the monthly report from the previous year is performed.	
<b>S.13.3.1</b>	<b>Coverage error</b>
Not applicable.	
<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 applicable.	
<b>S.13.3.3</b>	<b>Non response error</b>
Not applicable.	
<b>S.13.3.3.1</b>	<b>A4. Unit non-response - rate</b>
<b>S.13.3.3.2</b>	<b>A5. Item non-response - rate</b>
<b>S.13.3.4</b>	<b>Processing error</b>
Not applicable.	
<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+180.	
<b>S.14.1.1</b>	<b>TP1. Time lag - first results for P</b>
<b>S.14.1.2</b>	<b>TP2. Time lag - final results for P</b>
T+180.	
<b>S.14.2</b>	<b>Punctuality and TP3. Punctuality - delivery and publication for U</b>
The data are published on the day announced in the Advance Release Calendar.	
<b>S.14.2.1</b>	<b>TP3. Punctuality - delivery and publication for P</b>
<b>S.15</b>	<b>Coherence and comparability</b>

<b>S.15.1</b>	<b>Comparability - geographical</b>
There is geographical comparability of the produced data at national and regional level (with other EU countries).	
<b>S.15.1.1</b>	<b>CC1.Asymmetry for mirror flow statistics - coefficient</b>
Not applicable.	
<b>S.15.2</b>	<b>Comparability - over time and CC2. Length of comparable time series for U</b>
From 1952-1999 according Unique Classification of Activities (EKD) and the Nomenclature of Industrial Products. From 2000-2008 according to the National Classification of Activities - NKD Rev.1 and the National Nomenclature of Industrial Products (NNIP). From 2009 is applied the National Classification of Activities - NKD Rev.2 and the National Nomenclature of Industrial Products (NNIP).	
<b>S.15.2.1</b>	<b>CC2. Length of comparable time series for P</b>
The length of the comparable time series is 18 reference periods.	
<b>S.15.3</b>	<b>Coherence - cross domain</b>
The data are coherent between different parts of industrial statistics. Coherence with other areas is partially provided.	
<b>S.15.3.1</b>	<b>Coherence - sub annual and annual statistics</b>
The data from the annual survey IND.21 are comparable with the Monthly Industry Survey IND.1 and the Monthly Turnover Survey IND.2.	
<b>S.15.3.2</b>	<b>Coherence - National Accounts</b>
The data from the annual survey IND.21 are partially comparable with the data from the annual survey for Structural Business Statistics SDS and with the data from External Trade from National accounts.	
<b>S.15.4</b>	<b>Coherence - internal</b>
Internal coherence of data is ensured, the data is controlled and analyzed in the production process.	
<b>S.16</b>	<b>Cost and burden</b>
In the questionnaires we submit to 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.	
<b>S.17</b>	<b>Data revision</b>
<b>S.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.mk/en/about-us/policies-and-strategies/data-revision/">https://www.stat.mk/en/about-us/policies-and-strategies/data-revision/</a> ).	
<b>S.17.2</b>	<b>Data revision - practice and A6. Data revision - average size for U</b>
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>
<p>This statistical survey is a sample survey. The sample is selected from the Statistical Business Register of the enterprises that are active and submitted Annual accounts and are registered in sectors B - Mining and quarrying, C - Manufacturing, D - Electricity, gas, steam and air conditioning supply and E (division 38) - Waste collection, treatment and disposal activities; materials recovery from National classification of activities - NKD Rev. 2. Sample for ""Annual Report of Industry"" (IND.21) covers 85% of gross value added in industry in 2024 and the data sources are accounting and personnel records and documentation available at the reporting unit. Updating of the sample is carried out annually. The sample in 2024 covered 1000 businesses.</p>	
<b>S.18.2</b>	<b>Frequency of data collection</b>
Annually.	
<b>S.18.3</b>	<b>Data collection</b>
<p>In the data collection process the reporting method is used. The reporting units send the annually questionnaire for industry IND.21 to the statistical regional offices within specific period of time, for the reporting year. Companies themselves fill the data on production, stocks of finished products and sales of finished products to domestic and foreign markets, and submit them to SSO no later than 15.04. in the current year for the previous year.</p>	
<b>S.18.4</b>	<b>Data validation</b>
<p>The results from Annual survey for industry IND.21 are compared with the results from the Monthly survey for industry IND.1. Verification of data is done in accordance with the defined control criteria. Authentication data is performed before and after the entering. For deviations are contact the respondents.</p>	
<b>S.18.5</b>	<b>Data compilation</b>
<p>Editing: The received data from businesses, after the verification and eventual correction in consultation with the reporting units are entered on an electronic medium by application with incorporated on-line controls.</p> <p>Imputation: If the reporting units that are already included in the monthly research IND.1 did not submit data, imputation of production obtained with the monthly report from the previous year is performed.</p>	
<b>S.18.5.1</b>	<b>A7. Imputation - rate</b>
Not applicable.	
<b>S.18.6</b>	<b>Adjustment</b>
Not applicable.	
<b>S.18.6.1</b>	<b>Seasonal adjustment</b>
Not applicable, no seasonal adjustment of data.	

S.19	Comment
A.1	Annexes

