



## Edit a Metadata File



1 - Info

2 - Content

3 - Summary

[New entry](#)

### Reference Metadata

<a href="#">S.1 Contact</a>	<a href="#">S.2 Metadata update</a>
<a href="#">S.3 Statistical presentation</a>	<a href="#">S.4 Unit of measure</a>
<a href="#">S.5 Reference period</a>	<a href="#">S.6 Institutional mandate</a>
<a href="#">S.7 Confidentiality</a>	<a href="#">S.8 Release policy</a>
<a href="#">S.9 Frequency of dissemination</a>	<a href="#">S.10 Accessibility and clarity</a>
<a href="#">S.11 Quality management</a>	<a href="#">S.12 Relevance</a>
<a href="#">S.13 Accuracy and reliability</a>	<a href="#">S.14 Timeliness and punctuality</a>
<a href="#">S.15 Coherence and comparability</a>	<a href="#">S.16 Cost and burden</a>
<a href="#">S.17 Data revision</a>	<a href="#">S.18 Statistical processing</a>
<a href="#">S.19 Comment</a>	<a href="#">A.1 Annexes</a>

Statistical survey on service producer prices

P\_C.USLUGI\_Q\_4\_2024\_EN

### 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>
Sector for business statistics, Department for prices	
<b>S.1.3</b>	<b>Contact name</b>
Daniela Petrovska	
<b>S.1.4</b>	<b>Contact person function</b>
Advisor	
<b>S.1.5</b>	<b>Contact mail address</b>
Dame Gruev 4, 1000 Skopje, Republic of North Macedonia	

Statistical survey on service producer prices	
P_C.USLUGI_Q_4_2024_EN	
Reference Metadata in SIMS 2.0 structure	
S.1.6	Contact email address
daniela.petrovska@stat.gov.mk	
S.1.7	Contact phone number
00389 31 438 100	
S.1.8	Contact fax number
00389 2 3111 336	
S.2	Metadata update
S.2.1	Metadata last certified
10/06/2025	
S.2.2	Metadata last posted
10/06/2025	
S.2.3	Metadata last update
10/06/2025	
S.3	Statistical presentation
S.3.1	Data description
<p>Producer price indices are important short-term indicators used to analyze business cycle trends in the service sector and as input to national accounts statistics. They are intended to track price movements that reflect supply and demand conditions in the services market. Service producer price indices in 2024 have been introduced for three types of services: Land and pipeline transport services, Postal and courier services and Telecommunications services. Other services are gradually being introduced in the survey, which will allow the calculation of the total price index of service producers.</p> <p>The services producer price index is calculated quarterly by sections and divisions.</p>	
S.3.2	Classification system
- Classification of products by activity (CPA), 2008	

## Reference Metadata in SIMS 2.0 structure

- National classification of activities (NKD, rev. 2.)

### S.3.3 Sector coverage

Sections from NKD Rev.2:

H / Ж- Transport and storage,

I/3 - Accommodation and food service activities

J / S- Information and Communications,

L/J - Real estate activities

M / K- Professional, scientific and technical activities and

N / Л - Administrative and support service activities

### S.3.4 Statistical concepts and definitions

**The Services Producer Price Index SPPI**, is a business cycle indicator that measures the gross change in the trade price of a number of services, including freight transportation, postal services, telecommunications, computer programming, legal services, etc.

The indices that are calculated for the prices of services (SPPI) are calculated as chain indices. The advantage of calculating chain indices compared to a fixed base index is that the weights are updated annually. First, the indices are calculated at a lower level (elementary aggregates), which are then aggregated at a higher level. The elementary aggregates are calculated as an unweighted geometric mean of the price ratio (Jevons index), and then aggregated to the CPA level using the formula for (Laspeyres index). The base price used in the calculation of the indices is the price of the fourth quarter of the previous year. For comparability of indices in different periods (current quarter with quarter of previous year) all indices are reduced to the base year 2021=100.

Index calculations are made every quarter, T+60 after the end of the quarter.

**TC** - transaction price, i.e. price of the same or very similar service to the same or different customers made at least once per quarter.

**DC** - the price of a full service with a predefined amount of services provided to the same customer for a period of not less than one year. The service is provided under the same contract to the customer at least once per quarter. The scope of the service is precisely defined in the contract (duration of the contract, quantities, prices and other basic price elements), so that the total amount to be paid for the services provided by the contract is determined in advance. If the price is determined by the contract for a longer period, for example, for a whole year, the same price is transferred from quarter to quarter, until the price of the contract is revised.

**The selling price** of services is the price at which the producer sells its services to buyers, in the largest quantities. The discount is deducted from this price. VAT should not be included in the price. The prices are expressed in denars as a unit of measure of the service.

**The average quarterly price** of a service is calculated when the total quarterly sales value (taking into account the previous definition) for that service is divided by the total quantity of the same service sold in that quarter.

Statistical survey on service producer prices	
P_C.USLUGI_Q_4_2024_EN	
Reference Metadata in SIMS 2.0 structure	
Unit of measurement – unit for which the price of the service is agreed upon.	
<b>S.3.5</b>	<b>Statistical unit</b>
Business entities distributed in the service activity.	
<b>S.3.6</b>	<b>Statistical population</b>
<p>Statistical units are the enterprises that in the Register of Business Entities are located in the field of services, i.e. the sectors from NKD Rev.2:</p> <p>H / Ж- Transport and storage,</p> <p>I/3 - Accommodation and food service activities</p> <p>J / S- Information and Communications,</p> <p>L/J - Real estate activities</p> <p>M / K- Professional, scientific and technical activities and</p> <p>N / Л - Administrative and support service activities</p>	
<b>S.3.7</b>	<b>Reference area</b>
Republic of North Macedonia	
<b>S.3.8</b>	<b>Time coverage</b>
Since 2021 to 2024	
<b>S.3.9</b>	<b>Base period</b>
<p>The indices that are calculated for the prices of services (SPPI) are calculated as chain indices.</p> <p>The base price used in the calculation of the indices is the price of the fourth quarter of the previous year. For comparability of indices in different periods (current quarter with quarter of previous year) all indices are reduced to the base year 2021=100.</p>	
<b>S.4</b>	<b>Unit of measure</b>
Indices	
<b>S.5</b>	<b>Reference period</b>

## Reference Metadata in SIMS 2.0 structure

Quarter

**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

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.

**S.6.2****Data sharing**

Indices are sent (via eDAMIS) to Eurostat.

**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**

## Reference Metadata in SIMS 2.0 structure

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

Quarterly

### S.10 Accessibility and clarity

#### S.10.1 News release

News Releases for Services producer price indices are published quarterly and they are available on the website of the SSO in the section: "News Releases" (<https://www.stat.mk/en/stat/economy-and-finance/prices/services-producer-price-indices/>)

#### S.10.2 Publications

The data are published only in a News release and in the Makstat database.

#### S.10.3 On-line database

MAKStat-database - Services producer price available on the SSO website

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

#### S.10.3.1 AC1. Data tables - consultations

Not calculated

#### S.10.4 Micro-data access

## Reference Metadata in SIMS 2.0 structure

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.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/> ).

### S.10.5 Other

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

#### S.10.5.1 AC 2. Metadata - consultations

NOT CALCULATED

### S.10.6 Documentation on methodology

The methodological explanations are released on the State Statistical Office  
[https://www.stat.gov.mk/MetodoloskiObjasSoop\\_en.aspx?id=152&rbrObl=15](https://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=152&rbrObl=15)

Methodology of short-term business statistics by Eurostat  
<https://ec.europa.eu/eurostat/documents/3859598/5895945/KS-BG-06-001-EN.PDF.pdf/609c47c3-220a-48b4-874f-d9c589bf302c?t=1414781295000>

#### S.10.6.1 AC 3. Metadata completeness - rate

Not calculated

### S.10.7 Quality documentation

[https://www.stat.gov.mk/EsmsIzvestai\\_en.aspx](https://www.stat.gov.mk/EsmsIzvestai_en.aspx)

### S.11 Quality management

#### S.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.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

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

Statistical survey on service producer prices	
P_C.USLUGI_Q_4_2024_EN	
Reference Metadata in SIMS 2.0 structure	
(GSBPM). The application of this model and international standards in statistical production ensures a high level of accuracy and comparability of data.	
<b>S.12</b>	<b>Relevance</b>
<b>S.12.1</b>	<b>User needs</b>
<p>The data on the Services producer price indices are used by both the business community and the government:</p> <ul style="list-style-type: none"> <li>- As an economic indicator:</li> </ul> <p>The indices capture price movements, which enable to foresee the price changes on the services prices</p> <p>The indices are used to adjust other economic time series for price changes.</p> <ul style="list-style-type: none"> <li>- As the basis for indexing prices in contracts:</li> </ul> <p>The indices are commonly used in indexing purchase and sales contracts. These contracts typically specify amounts of money to be paid at some point in the future. It may be agreed to include an indexation clause that takes account of changes in prices.</p> <p>The indices are used for comparison with other countries.</p>	
<b>S.12.2</b>	<b>User satisfaction</b>
Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.	
<b>S.12.3</b>	<b>Completeness and R1. Data completeness - rate for U</b>
According to the regulations given in concept 6.1, the State Statistical Office provides required data.	
<b>S.12.3.1</b>	<b>R1. Data completeness - rate for P</b>
Not calculated.	
<b>S.13</b>	<b>Accuracy and reliability</b>
<b>S.13.1</b>	<b>Overall accuracy</b>
The survey methodology and the data collection method ensure good coverage and accuracy of the data.	
<b>S.13.2</b>	<b>Sampling error and A1. Sampling errors - indicators for U</b>



Statistical survey on service producer prices	
P_C.USLUGI_Q_4_2024_EN	
Reference Metadata in SIMS 2.0 structure	
Not applicable.	
<b>S.13.2.1</b>	<b>A1. Sampling errors - indicators for P</b>
Not applicable.	
<b>S.13.3</b>	<b>Non-sampling error and A4. Unit non-response - rate for U and A5. Item non-response - rate for U</b>
<p>- Coverage errors: Data providers are reminded in a timely manner to fulfil their obligation.</p> <p>- Specification errors: When there are changes in specification the base price is adjusted.</p> <p>Data processing errors: Rules for control and calculation of output data are implemented in the data processing application.</p> <p>- Non-response errors: As provided full coverage, non-response errors in there. When the current month is no realization of a specified service is performed imputation price of the services.The recommended imputation method is mean imputation.</p> <p>- Coverage errors: Business entities that are not covered are used to update target population units (replacement). New weights are calculated annually according to data from the Statistical Business Register and business entities that have not submitted data are replaced.</p> <p>- All data for this statistical survey are collected using a statistical template (administrative sources are not used).</p> <p>- Measurement errors: There are no errors during data collection. The differences in the values of the collected data and the actual data are currently being processed and are not being measured.</p> <p>- Errors in data processing: In data processing, collected data on producer prices, when entering, are logically controlled, price deviations compared to the previous month that are outside the range of <math>\pm 10\%</math> are checked, reporting units are contacted, are they check and analyze the output data, and the control procedure is repeated for corrections. Errors are not measured during data processing.</p>	
<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>
Not calculated.	
<b>S.13.3.1.2</b>	<b>A3. Common units - proportion</b>
Not calculated.	
<b>S.13.3.2</b>	<b>Measurement error</b>
<p>There are no data collection errors.</p> <p>Differences in values are currently being processed and are not being measured.</p>	

Statistical survey on service producer prices	
P_C.USLUGI_Q_4_2024_EN	
Reference Metadata in SIMS 2.0 structure	
<b>S.13.3.3</b>	<b>Non response error</b>
Not calculated.	
<b>S.13.3.3.1</b>	<b>A4. Unit non-response - rate</b>
Not calculated.	
<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>
<p>In data processing, the collected data on service prices, when entering, are logically controlled, price deviations compared to the previous month that are outside the range of <math>\pm 10\%</math> are checked, the reporting units are contacted, the output data are checked and analyzed, and for the corrections the control procedure is repeated.</p> <p>No data measurement errors are performed.</p>	
<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>
Service producer price indices are published no later than 60 days (T+60) after the end of the reference period as definitive data.	
<b>S.14.1.1</b>	<b>TP1. Time lag - first results for P</b>
Not applicable.	
<b>S.14.1.2</b>	<b>TP2. Time lag - final results for P</b>
Not applicable.	
<b>S.14.2</b>	<b>Punctuality and TP3. Punctuality - delivery and publication for U</b>
Data are disseminated within the established deadlines in accordance with the Release Calendar.	
<b>S.14.2.1</b>	<b>TP3. Punctuality - delivery and publication for P</b>
Not applicable.	
<b>S.15</b>	<b>Coherence and comparability</b>

Statistical survey on service producer prices	
P_C.USLUGI_Q_4_2024_EN	
Reference Metadata in SIMS 2.0 structure	
<b>S.15.1</b>	<b>Comparability - geographical</b>
<p>There is geographical comparability of disseminated data at national levels.</p> <p>Comparability is ensured at the international level, too.</p>	
<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>
Time series from 2021 according to NKD Rev.2 (2021=100) and time series comparability is ensured in the Makstat database.	
<b>S.15.2.1</b>	<b>CC2. Length of comparable time series for P</b>
The number of reference periods in the time series is 16.	
<b>S.15.3</b>	<b>Coherence - cross domain</b>
Coherence with other areas is partially ensured, not all services are included.	
<b>S.15.3.1</b>	<b>Coherence - sub annual and annual statistics</b>
<p>The comparison is made, as necessary, to control the logic of the services prices.</p> <p>The data are compared with the monthly data from the Consumer Price Index and Retail Price Index (COICOP).</p>	
<b>S.15.3.2</b>	<b>Coherence - National Accounts</b>
Not applicable	
<b>S.15.4</b>	<b>Coherence - internal</b>
Coherence - internal of the data is partially ensured, not all services are included.	
<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>

Statistical survey on service producer prices	
P_C.USLUGI_Q_4_2024_EN	
Reference Metadata in SIMS 2.0 structure	
<p>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> ).</p>	
<b>S.17.2</b>	<b>Data revision - practice and A6. Data revision - average size for U</b>
<p>Data revision is done with changes of the base year and with changes in the classifications.</p> <p>The survey was introduced as a regular survey in 2024, and data has been collected since 2021.</p> <p>The base price used in the calculation of the indices is the price of the fourth quarter of the previous year. For comparability of indices in different periods (current quarter with quarter of previous year) all indices are reduced to the base year 2021=100.</p>	
<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>Source data: Statistical questionnaire that are submitted to the reporting units and they are prepared with identification data, service codes, name and unit of measure, in accordance with the Classification of Products by Activities (CPA).</p> <p>The framework on which the data source is based: Statistical Business Register.</p> <p>The method by which the data is collected: Sample.</p> <p>The sample is updated annually.</p>	
<b>S.18.2</b>	<b>Frequency of data collection</b>
Quarterly	
<b>S.18.3</b>	<b>Data collection</b>
<p>The reporting method is used when collecting data.</p> <p>The reporting units fill in the data on the prices of services with a quarterly report.</p> <p>Reporting units submit the quarterly report on service prices to the State Statistical Office within a certain deadline, based on the Program for Statistical Research for a certain year.</p> <p>The deadline for submitting the completed reports to the SSO is 30 days after the end of the quarter.</p>	

## Reference Metadata in SIMS 2.0 structure

**S.18.4 Data validation**

Validation of data in the form:

Upon receiving the form (in Excel by e-mail), it is archived, recorded, controlled and entered into the application (in Access).

The application carries out the mandatory controls according to the defined validation rules. In case of errors and/or illogicalities, the data providers are contacted.

The coverage is controlled, which should be 100%, and also the quarterly price movements (compared to the previous quarter) that are outside the range of  $\pm 10\%$ .

Validation of output data:

The output data (indexes) are analyzed and confirmed, at the level of class, department, section and in relation to the previous quarter, and with the same quarter of the previous year.

In relation to extreme values, the output data (indexes) are analyzed and confirmed at the elementary level (reporting unit).

**S.18.5 Data compilation**

During the data collection, it is possible that the specification for the same service for which the business entity provides us with data may change, or that the service may change during the year. The recommended imputation method is mean imputation. At the beginning of the year, an annual update (replacement) of the sample of enterprises is made from the Statistical Business Register.

**S.18.5.1 A7. Imputation - rate**

Not applicable.

**S.18.6 Adjustment**

The time series is not adjusted and the data is not adjusted seasonally.

**S.18.6.1 Seasonal adjustment**

Not applicable.

**S.19 Comment****A.1 Annexes**
[Previous](#)

