

Producer Price Index for Telecommunication Services

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2. Metadata update	
2.1. Metadata last certified	February 20, 2023
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3. Statistical presentation	
3.1. Data description	
The producer price index for telecommunication services measures the average price level of telecommunication services compared to the reference period.	
3.2. Classification system	
The structure of the producer price index for telecommunication services follows the Statistical Classification of Products by Activity (CPA 2008).	
3.3. Sector coverage	
According to CPA 2008 the index includes the following parts: wired telecommunication services, wireless telecommunication services, satellite telecommunication services and other telecommunication services. It corresponds to division 61 of the information and communication services section (J) of the Statistical Classification of Products by Activity (CPA).	
3.4. Statistical concepts and definitions	
The following information is published: <ul style="list-style-type: none"> • Producer price index for telecommunication services to the previous month; • Producer price index for telecommunication services to the same month of the previous year. 	
3.5. Statistical unit	
The observable statistical unit is an organization across the country that provides telecommunication services.	
3.6. Statistical population	
For compiling the producer price index for telecommunication services, the selection of observable organizations across the country is based on the statistical data of enterprises. The selection base comprises of up to 77 organizations, of which 23 organizations are selected this year. As a result, the selected organizations cover 85% of the whole sample (in terms of value).	
3.7. Reference area	
The prices are collected across the country (occupied territories are not considered) for services produced by telecommunication organizations.	
3.8. Time coverage	
From 2020.	
3.9. Base period	
Previous month, same month of the previous year.	

4. Unit of measure	
Index.	

5. Reference period	
Month.	

6. Institutional mandate
6.1. Legal acts and other agreements
The Law of Georgia on Official Statistics; https://www.geostat.ge/media/20817/latest-Law-of-Georgia_2018.pdf Statistical Work Programme (annual); https://www.geostat.ge/en/modules/categories/307/statistical-work-programme Charter of the National Statistics Office of Georgia. https://www.geostat.ge/media/20845/10%2Csaqstatis-konsolidirebuli-debuleba.pdf
6.2. Data sharing
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7. Confidentiality
7.1. Confidentiality – policy
<ol style="list-style-type: none"> The Law of Georgia on Official Statistics: <ul style="list-style-type: none"> According to the article 4 of the law individual data collected by statistical agencies for statistical compilation, whether they refer to natural or legal persons, are to be strictly confidential and used exclusively for statistical purposes. According to the article 28 (Observing Confidentiality of Statistical Data) of the law 1. The data collected for the purpose of producing official statistics shall be confidential if it allows for identification of observation unit or it is possible to identify such data through it. 2. The confidential statistical data shall not be issued or disseminated or used for a non-statistical purpose but for the exceptions envisaged by the Georgian legislation. 3. When producing the official statistics, it is obligatory to destroy or store separately the identity data including the questionnaires containing such data and used for statistical surveys according to the rules defined in the Georgian legislation. According to the article 29 (The Obligations and Responsibilities of the Employees of the Geostat) of the law the confidential statistical data collected and processed for the purpose of statistical survey shall not be used or disseminated by the employees of the units of the Geostat. https://www.geostat.ge/media/20817/latest-Law-of-Georgia_2018.pdf Data Confidentiality Policy at Geostat https://www.geostat.ge/media/20860/Data-Confidentiality-Policy-at-Geostat_En.pdf Public Use Microdata Dissemination Policy at Geostat https://www.geostat.ge/media/20862/Microdata-Dissemination-Policy_Eng.pdf The Law of Georgia on Personal Data Protection https://matsne.gov.ge/en/document/view/1561437?publication=9
7.2. Confidentiality – data treatment
<ul style="list-style-type: none"> Confidentiality guidelines. Written undertakings by an employee of Geostat on ensuring confidentiality of gained/collected data as a result of official duties.

8. Release policy
8.1. Release calendar
Data dissemination dates are defined according to the Advance release calendar, which is available on the website of Geostat and publicly accessible.
8.2. Release calendar access
https://www.geostat.ge/en/calendar
8.3. User access
All users have the equal access to the statistical data simultaneously.

9. Frequency of dissemination
Monthly.

10. Accessibility and clarity

10.1. News release
Press release for the Services Producer Price Indices is published through Geostat’s website on a monthly basis. It contains information about monthly and annual index rates, as well as the contributions of sections and divisions to the index formation. The press release also includes a time series graph. It is available on the following link: https://www.geostat.ge/en/news?year=&month=&category=7
10.2. Publications
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10.3. On-line database
Data are available to all users on the Geostat’s website: https://www.geostat.ge/en/modules/categories/27/producer-and-import-price-index
10.4. Micro-data access
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10.5. Other
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10.6. Documentation on methodology
The service producer price index for telecommunication is available on Geostat’s website: https://www.geostat.ge/en/modules/categories/122/methodologia-price-statistics
10.7. Quality documentation
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11. Quality management
11.1. Quality assurance
To ensure the quality of the statistical processes and products Geostat follows Article 4 – Basic principles of official statistics – of the Law of Georgia on Official Statistics, as well as the European Statistics Code of Practice, the UN Fundamental Principles of Official Statistics and Quality Assurance Framework of the European Statistical System (QAF).
11.2. Quality assessment
Methodology and Quality Management Division of Geostat, along with the sectoral departments, is responsible for the quality of the produced statistical products and processes. The Division carries out quality audit of statistical processes and assesses the risks associated with production of statistical data. Geostat has developed policy documents, guidelines and standard routine descriptions. These documents ensure the standardization of statistical processes and products and the establishment of a unified quality assurance system.

12. Relevance
12.1. User needs
The producer price index for telecommunication services is used for the following purposes: <ul style="list-style-type: none"> •The index has an important role in deflating different economic indicators; •The index is used for indexation of contracts in both public and private sectors; •The index is an analytical instrument for researchers and representatives of business sector. The main users of the index are: public agencies, international organizations, researchers and students, media representatives and other stakeholders.
12.2. User satisfaction
In 2021 user satisfaction survey was conducted, the target of the survey was to analyze the assessment of quality of statistical data by users and explore ways to improve user services. The survey report is available on the website of Geostat (in Georgian): https://www.geostat.ge/ka/page/customer-service
12.3. Completeness
Data are consistent to the international standards.

13. Accuracy and reliability
13.1. Overall accuracy
Accuracy of data is ensured by compliance with international methodology of research and calculation methods.

13.2. Sampling error
There is no assessment of the sampling error of the index. The sample size made from the given population is optimal, given the research objectives and limited resources.
13.3. Non-sampling error
Non-sampling errors in the producer price index for telecommunication services are not assessed. To minimize this kind of errors, the index calculation step involves several levels of control.
14. Timeliness and punctuality
14.1. Timeliness
Data are published on the 19-22nd of the following month of the reporting month.
14.2. Punctuality
The data is published according to the date specified in the statistical work program. There has not been any violation of publication dates.
15. Coherence and comparability
15.1. Comparability – geographical
The prices are collected on telecommunication services produced by organizations across the country. The principles of price collection and index compilation are based on international methodology and are consistent with it. Furthermore, in all regions the prices are collected based on the unified methodology and ensures the comparability of data across the country.
15.2. Comparability – over time
The index is comparable for the whole period.
15.3. Coherence – cross domain
Data are coherent.
15.4. Coherence – internal
Indices are coherent with the initial data – indices on the aggregate level are compiled using the lowest level indices through a clearly defined procedure.
16. Cost and burden
The annual budget for statistical survey of prices (including consumer, producer and import prices) in 2023 is 255 200 GEL.
17. Data revision
17.1. Data revision – policy
Statistical data revision policy is available on the website of Geostat: https://www.geostat.ge/media/44385/Revision-policy-and-error-correction_Geo.pdf
17.2. Data revision – practice
Planned revision of data is not carried out. An Unplanned revision (to clarify data) was not carried out in 2022.
18. Statistical processing
18.1. Source data
For the calculation of the producer price index for telecommunication services, the selected sample consists of all large and medium-size organizations that are relevant to the Division 61 of the information and communication services section (J) of the CPA, while small organizations are selected selectively. After sampling organizations, they are surveyed in order to determine the characteristics of services. For this purpose, organizations are provided by additional electronic questionnaires and are required to indicate the following information: the type of the top four services (less than four in case of absence) provided over the previous year and the percentage share of each telecommunication service in the sample of selected telecommunication services. During the service selection process their detailed specifications are determined. Following the specifications is the most important part of price registration since the monthly recorded price difference should be caused by the pure price change of a service, rather than changes in characteristics, or a service itself. Relying on the obtained survey the prices for sampled services are recorded across the year. The sample of telecommunication services is updated annually. In 2023 more than 57 price data points will be collected from more than 21 organizations.

18.2. Frequency of data collection
Price collection fieldworks are conducted monthly, on the same date of the following month of the reporting period, from the 1 st to the 8 th day.
18.3. Data collection
<p>The prices for telecommunication services are collected by price enumerators. The questionnaire includes information about types of services, the measurement unit, prices in the reference, previous and current months for the four selected services. Besides, the reason of a price change or any other relevant information is indicated in the comment field.</p> <p>The questionnaires are filled in the online form. The organizations fill the questionnaire independently or with the help of price enumerator. Online questionnaires are on the following link: http://database.geostat.ge/portal/ent/index.php</p> <p>It is possible to see the questionnaires on Geostat's website, on the following link: https://www.geostat.ge/en/modules/categories/557/questionnaires-price-statistics</p>
18.4. Data validation
<p>The validation procedure is conducted in two stages:</p> <p>On the first stage validation takes place simultaneously with the price registration fieldworks. In case of price change, the person responsible for filling the questionnaire is required to define by the comment the reason of the change. After the data are sent to the central office, a responsible employee conducts analysis and logical control of the data.</p> <p>On the second stage accuracy of the price, which are extremely deviated from the price of the previous month, is checked after calculating the overall index.</p>
18.5. Data compilation
<p>For the producer price index for telecommunication services the weights are calculated based on business statistics data. The obtained weights represent the share of the specific telecommunication service value in the overall value of the telecommunication services across the country. The weights for a reporting period t are calculated based on t-2 period information. The list of telecommunication services included in the index may also be changed while updating the weights.</p> <p>During the calculation of the producer price index for telecommunication services, an elementary price index is the index calculated for each individual services produced by an organization.</p> <p>If a price for a service is not indicated by an organization in the reporting period, one of the following two methods of price imputation is applied: using the upper level group index and using carry-forward method.</p> <p>In the process of time, an organization may not produce a service of the same quality anymore, for which prices have been observed. In order to ensure the comparability of prices for old and new services, a quality adjustment method should be used, for which an imputed base price is calculated using several methods</p>
18.6. Adjustment
Not applied.
19. Comment
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