



Agency for Strategic planning
and reforms of the
Republic of Kazakhstan
Bureau of National statistics

Quality report

*The index of tariffs on communication services for
legal entities*

Content

S.1 Contact details

S.2 Introduction - Relevance

S.3 Updating metadata

S.4 Presentation of statistical information

S.5 Unit of measurement

S.6 Reporting period

S.7 Legal basis

S.8 Confidentiality and data protection

S.9 Publication Policy

S.10 Frequency of propagation

S.11 Dissemination format, accessibility and clarity

S.12 Availability of Documentation

S.13 Quality management

S.14 Relevance

S.15 Accuracy and reliability (to be completed taking into account the type of observation) S.16 Timeliness and punctuality

S.17 Comparability

S.18 Consistency

S.19 Load

S.20 Revision of data

S.21 Processing of statistical data

S.22 Notes

S.1 Contact details

S.1.1 Organization

Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan

S.1.2 Structural subdivision

Department of price statistics

S.1.3 Name of contact person

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S.1.3.1 Name of the head of the responsible structural unit

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S.1.5 Postal address of the contact person

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S. 2 Introduction-Relevance

The index of tariffs for communication services characterizes the change in time of tariffs for communication services for legal entities.

Tariff indices for communication services are used for:

- 1) calculation of indices of the physical volume of communication services;
- 2) calculations of labor productivity in these types of economic activities and other economic and analytical calculations;
- 3) implementation of economic monitoring, forecasting, comparisons carried out by state bodies and scientific organizations.

The resulting tariff index is a statistic that reflects the performance of the manufacturing services sector. The Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan holds meetings of working groups (focus groups), with the participation of potential users and respondents, representatives of interested government agencies, as well as NPP Atameken, which analyze indicators national statistical forms for their relevance and avoidance of duplication with indicators of departmental statistical forms and forms of administrative data.

Feedback from users is carried out through the blog of the Minister of National Economy of the Republic of Kazakhstan on the website of the Ministry of National Economy of the Republic of Kazakhstan

www.economy.gov.kz.

S.3 Updating metadata

S.3.1 Latest confirmation of updated metadata S.3.2 Latest

placement of metadata

S.3.3 Latest metadata update

S.4 Presentation of statistical information

S.4.1 Data description

The indices of tariffs for communication services characterize the change in time of tariffs for communication services of legal entities, for a month to different periods of comparison, for the period of the reporting year to the corresponding period of the previous year. Tariff indices for communication services for legal entities

take into account the operations for the production of these services necessary for legal entities to carry out their production activities.

Transactions are valued at market prices, excluding value added tax.

S.4.2 Classification system

When constructing the indices of tariffs for communication services, OKED is used - "General classifier of types of economic activity".

S.4.3 Sectoral coverage

The surveyed segments of the economy according to the current General Classifier of Economic Activities (hereinafter - OKED) are represented by the section "Communication" (OKED - 61), including services such as wire and wireless communication services, other telecommunications.

S.4.4 Statistical concepts and definitions

1) Observation of changes in tariffs is carried out in accordance with the Methodology for constructing tariff indices for postal, courier and communication services, which is available on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in section "Methodology" / "Price statistics", and on the website www.adilet.kz.

The Methodology uses the following definitions:

2) aggregated price (tariff) index - a relative indicator that characterizes the change in prices for a separate subgroup, group or the studied phenomenon as a whole and is formed on the basis of individual price (tariff) indices;

3) base object - a legal entity selected for monitoring and registering prices in it; The sample set of basic objects must meet the basic requirement - a representative representation in the regional and sectoral sections;

- the general population is a complete group of all units of analysis, whose characteristics are to be assessed;
- classification - dividing a set of objects into groups based on similarity or difference in accordance with the accepted characteristics;
- individual (elementary) price index - the change in prices of one element of the studied population (specific goods, services);
- selective observation - a survey of a certain part of the general population, by which it is possible to judge the properties of the entire population as a whole.
- representative service - a set of certain types of services in a group, which differ from each other in insignificant features that do not affect the quality and basic properties of services and are homogeneous in their consumer purpose;
- weighting - a procedure used in index calculations to obtain aggregated indicators and ensuring the commensurability of different types of services that cannot be summed up directly;
- weighing scheme - a set of weights for specific types of services, determined by all degrees of aggregation according to the standard classification;
- specification - a description or list of characteristics that are used to identify a particular type of service selected for registration of prices (tariffs);
- statistical business register - a specially organized and systematized list of legal and statistical units. It contains concise administrative and economic information about all units included in the register;
- registration of tariffs - a method of collecting information on the level of tariffs for services, carried out on a sample of a representative set of basic objects

2) Data collection toolkit - statistical form:

- nationwide statistical observation "Report on tariffs for communication services for legal entities" (code 261101149, index 1-tariff (communication)), monthly frequency).

The statistical form is available on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "For respondents" / "Statistical forms for 2019" // "Monthly forms".

S.4.5 Statistical object

Legal entities and (or) their structural and separate divisions with the main type of activity in accordance with the code of the General Classifier of Economic Activities "Communication" (OKED - 61).

S.4.6 General population (principle of selection of survey units)

The general population for the sample of basic objects for monitoring tariffs for communication services is the data of the statistical business register.

The main criterion in the selection of basic objects for communication services is the indicators "volume of services" provided to legal entities, formed according to the data of national statistical observations on the provided communication services.

S.4.7 Territorial coverage

Republic of Kazakhstan (14 regions, cities of republican significance, the capital).

S.4.8 Time coverage

Tariff indices for communication services have been formed since January 1998, there are time series for 1998-2018.

S.4.9 Base period

2015 = 100%

S.5 Unit of measurement

Percent

S.6 Reporting period

month

S.7 Legal basis

S.7.1 Legal framework

1. Law of the Republic of Kazakhstan dated March 19, 2010 No. 257-IV "On state statistics".
2. Rules for the provision of primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 9, 2010 No. 173.
3. Rules for the submission of administrative data by administrative sources on a gratuitous basis, approved by the Acting order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 14, 2010 No. 183.

4. The plan of statistical work, approved in accordance with the established legislative procedure of the Republic of Kazakhstan by the Order of the Minister of National Economy of the Republic of Kazakhstan.
5. Schedule for the dissemination of official statistical information, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.
6. Rules for the provision of statistical information on a gratuitous basis that is not provided for by the schedule for the dissemination of official statistical information and developed on the basis of primary statistical data submitted by respondents in accordance with the schedule for submitting primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics of May 20, 2010 No. 113.
7. Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by the Order of the Minister of National Economy of the Republic of Kazakhstan dated December 18, 2015 No. 778;
8. "Methodology for constructing tariff indices for postal, courier and communication services", approved by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated August 23, 2016 No. 170 and registered with the Ministry of Justice of the Republic Kazakhstan No. 14251.

S.8 Privacy and data protection

S.8.1 Privacy Policy

1. Article 8 of the Law of the Republic of Kazakhstan No. 257-IV of March 19, 2010 "On State Statistics", in accordance with which a guarantee of confidentiality and protection of the submitted data by respondents is ensured.
2. Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan No. 183 dated October 29, 2015 ensures the protection of information constituting a commercial secret.
3. Information security policy (hereinafter referred to as the Policy) approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated October 31, 2016 No. 252 defines the goals, objectives, guidelines and practical techniques in the field of ensuring information security of the Committee. The main goal of the Policy is to ensure the availability of official statistical information, confidentiality of information stored and processed on the computer equipment of the Committee under the conditions of its integrity and authenticity.

S.8.2 Privacy-handling of data

The rules for the provision and use of databases in a de-identified form for scientific purposes, approved by the Order of the Minister of National Economy of the Republic of Kazakhstan dated December 18, 2015 No. 778.

S.9 Publication Policy

S.9.1 Publication Calendar

According to paragraph 1, paragraph 2 of Article 26 of the Law of the Republic of Kazakhstan "On State Statistics" dated March 19, 2010 No. 257, the Schedule for the dissemination of official statistical information is formed.

S.9.2 Access to the Graph

The schedule for the dissemination of official statistical information is posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the "Home" section // "Basic documents".

S.9.3 User access

Website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz.

S.10 Frequency of propagation

month

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

Press releases are not published.

S.11.2 Publications

1) The statistical bulletin "Index of tariffs for communication services for legal entities in the Republic of Kazakhstan" is published monthly on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz and contains data on changes tariffs in the republic and in the context of regions for all periods of comparison by type of service. Placed in the section Official statistical information (by industry) / Prices and tariffs.

2) Annual statistical compendium "Prices in construction and production services in the Republic of Kazakhstan" - published annual data on changes in tariffs in dynamics (monthly) by type in the whole country and regions on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz. Placed in the section Official statistical information (by industry) / Collections, quarterly publications, spreadsheets, analytics.

S.11.3 Databases in on-line mode

Information and analytical system "Taldau / Price statistics / Price and tariff indices / Price and tariff indices for industrial services / Tariff index for communication services for legal entities"

S.11.3.1 AC1. Data tables-consultation

Not implemented

S.11.4 Microdata access

The rules for the provision and use of databases in a de-identified form for scientific purposes, approved by the Order of the Minister of National Economy of the Republic of Kazakhstan dated December 18, 2015 No. 778.

S.11.5 Other

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S.11.5.1 AC2. Metadata consultation

Not implemented

S.12 Availability of Documentation

S.12.1 Methodology documentation

"Methodology for constructing tariff indices for postal, courier and communications services", approved by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated August 23, 2016 No. 170 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 14251 . Available on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "Methodology" / "Price statistics", and on the website www.adilet.kz.

S.12.2 Quality documentation

1. Policy in the field of quality, approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated April 23, 2015 No. 67.
2. Objectives in the field of quality Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan, Objectives in the field of quality of the relevant structural unit.

3. Documented information of the quality management system: Quality manual; Documented procedures; Instructions; Process maps.
4. Standard methodology for describing the process of production of statistical information by state bodies, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated March 30, 2015 No. 53;
5. Methodology for assessing the quality of official statistical information, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated May 23, 2018 No. 63

S.13 Quality management

S.13.1 Quality assurance

The quality and reliability of price statistics data is supported by generally accepted procedures:

- compliance with the basic principles of primary accounting;
- use of standard statistical classifications of goods, products, services;
- at the stages of collection and processing of primary data, all control schemes (format-logical, arithmetic) have been developed and implemented;
- to confirm the reliability of primary data, the possibility of obtaining additional information from respondents is legally enshrined;
- a comparative analysis of statistical data (in dynamics) is carried out;
- rotation of sample sets of lists of goods, products, services and basic objects selected for price observation;
- annual review of weighing systems;
- the use of uniform formulas for calculating price indices at all levels of aggregation.

S.13.2 Quality control

The methodology for constructing tariff indices for postal, courier and communications services does not pass the expertise of international organizations, since it is a sub-index in the price indices for manufacturing services.

S.14 Relevance

S.14.1 Needs

Of interest to business and the public is the indices of tariffs for communication services, which are formed in the Republic.

Kazakhstan and regions.

S.14.2 User satisfaction

An annual survey of users of official statistical information is carried out according to the questionnaire Q-002 "User survey"

S.14.3 Completeness / R1. Data completeness-share

Not applicable

S.15 Accuracy and reliability (to be completed according to the type of observation)

S.15.1 Overall accuracy

The accuracy and reliability of the calculated indices of tariffs for communication services is ensured by conducting an optimal the selected observation method.

The methodology for calculating the index of tariffs for postal, courier and communication services is based on international standards, which laid down the requirements for the selection of basic objects, statistical monitoring of tariffs and procedures for calculating the indicator.

S.15.2 Sample errors - indicators / A1.

Cannot be estimated due to targeted sampling.

S.15.3 Non-sampling error

Not identified.

S.15.3.1 Coverage error

Cannot be estimated due to targeted sampling.

S.15.3.1.1 A2. Overcoverage-share

Cannot be estimated due to targeted sampling.

S.15.3.1.2 A3. Common units-ratio

Cannot be estimated due to targeted sampling.

S.15.3.3 No response errors

S.15.3.3.1 A4. Absence unit-fraction

The method of calculating “notional” tariffs is applied in accordance with the Methodology for constructing tariff indices for postal, courier and communication services.

S.15.3.3.2 A5.No answer item - share

The calculation is not carried out.

S.16 Timeliness and punctuality

S.16.1 Timeliness

S.16.1.1 TP1 Waiting period - first results

The first results in the bulletin are published on the 9th day after the deadline for submitting the primary statistical information by the respondents and are final. Release dates are approved and published in the Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information on an annual basis.

S.16.1.2 TP2 Waiting Period - Latest Results

The first results are final.

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

The data are published and disseminated in accordance with the Schedule for Dissemination of Official Statistical Information, approved annually by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan. The terms of publication are set in the Plan of statistical work, approved annually by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan and registered with the Ministry of Justice of the Republic of Kazakhstan.

S.17 Comparability

S.17.1 Geographic comparability

Within the territory of the Republic of Kazakhstan.

S.17.1.1 Asymmetry in mirror flow statistics-coefficient / CC1 not

S.17.2 Length of comparable time series / CC2

The dynamic range of tariff indices for communication services has been comparable and continuous since 1998.

S.18 Consistency

S.18.1 Consistency, external, cross

The methodology was developed taking into account the principles and recommendations of the "Manual on the Producer Price Index: Theory and Practice" published by the International Labor Organization, the International Monetary Fund, the Organization for Economic Cooperation and Development, the Statistical Office of the European Communities, the United Nations and the World Bank (2004) adapted taking into account the peculiarities of the economy of the Republic of Kazakhstan and the surveyed type of economic activity.

S.18.2 Internal consistency

The methodology for constructing tariff indices for postal, courier and communication services has been agreed with all structural divisions of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.

S.19 Load

The collection of prices is carried out in electronic form and on paper at the request of the respondent.

Data collection is carried out online, in which automated arithmetic and logical controls are provided for the respondent, excluding the possibility of typical input errors.

Information processing processes are automated using local software systems, control of input and output information, procedures for imputing missing data are provided. There is no duplication with other examinations.

S.20 Revision of data

S.20.2 Revision of data / A6

Not applicable.

S.21 Processing of statistical data

S.21.1 Input data

Building an index of tariffs for communication services provides for the use of two data streams: weight components (weighing scheme) and changes in tariffs for communication services. Weighing schemes are formed centrally for each region and the republic as a whole. Their construction is based on the distribution of cost data on the income of enterprises from communication services included in the observation.

The collection of information on changes in tariffs for communication services is carried out within the framework of statistical observations:

- nationwide statistical observation "Report on tariffs for communication services for legal entities" (code 261101149, index 1-tariff (communication)), monthly frequency).

S.21.2 Inspection frequency

month

S.21.3 Method (method) of collecting primary statistical data

Data collection is carried out on paper or in electronic form by filling out statistical forms, at the discretion of the respondent: - 1-tariff (communication) "Report on tariffs for postal services for legal entities".

S.21.4 Reliability of primary statistical data

The format-logical controls of the minimum and maximum tariff indices, comparison with the price level of the previous month, and others are laid down.

In accordance with Article 17 of the Law of the Republic of Kazakhstan "On State Statistics", the respondent is obliged to submit reliable primary statistical data when conducting statistical observations in accordance with the schedule for submitting primary statistical data by respondents and with statistical methodology.

S.21.5 Imputation - share / A7

The imputation is carried out according to the Methodology for constructing tariff indices for postal, courier and communications services.

Replacement of some representative services for others is carried out at the beginning of the year.

In exceptional cases, in order to maintain the continuity of the price range during the reporting year, it is allowed to introduce a new representative service to replace the retired one.

In the absence of replacement tariffs, to ensure the continuity of the dynamic range of the calculated indices, imputation is carried out.

S.21.6 Adjustment

Not applicable.

S.21.6.1 Seasonal adjustment

Not implemented.

S.22 Notes

In the future, continue to work to ensure data quality.