



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

Quality report

*Index of tariffs for the carriage of goods by all modes
of transport in the Republic of Kazakhstan*

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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

Mukashev Kuandyk Kaydarovich

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.1.6 E-mail address of the contact person

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S.1.7 Phone number of the contact person

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T.2 Introduction-Relevance

National statistical observation of tariffs for freight transport services is organized in order to obtain data to determine changes in tariffs for the transportation of specific types of cargo for certain messages of cargo transportation by various modes of transport, which form the transport complex of the Republic of Kazakhstan.

The resulting tariff index is a statistic that reflects the performance of the manufacturing services sector.

Freight rate index is used:

- 1) the structural departments of the Committee when calculating the index of the physical volume of freight transport services;
- 2) government agencies and businesses for economic calculations.

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 posting of metadata

S.3.3 Latest metadata update

S.4 Presentation of statistical information

S.4.1 Data description

The index of tariffs for freight transportation characterizes the change in tariffs for services for the carriage of goods by all modes of transport (pipeline, inland waterway, road, air, rail), for a month to different periods of comparison, for the period of the reporting year to the corresponding period of the previous year

For the purpose of constructing an index of tariffs for freight transport services, only the sphere of transport services for the carriage of goods carried out by legal entities and provided to legal entities of other types of economic activity is considered.

S.4.2 Classification system

The types of transported goods are grouped from 22 types of cargo in the Grouping of types of cargo for monitoring tariffs for freight transport services 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 section "For respondents" / "Statistical forms for 2019" The surveyed segment of the economy according to the current General Classifier of Economic Activities (OKED) is represented by sections:

- 1) "Freight transport by road" (OKED - 49.41);
- 2) "Transportation by pipeline" (OKED - 49.50);
- 3) "Air transport" (OKED - 51);
- 4) "Freight rail transport" (OKED - 49.20);
- 5) "River freight transport" (OKED - 50.40).

S.4.3 Sectoral coverage

To monitor changes in tariffs for freight transport services, basic objects are selected taking into account their representativeness in the entire aggregate and the possibility of regularly obtaining data on the types of services selected for monitoring. Selection is done by combining continuous and sample methods.

In the railway, pipeline, inland waterway and air modes of transport, the number of actively operating transport enterprises is limited and continuous surveillance of all units is used.

In railway transport, supervision is carried out at the head enterprise of the railway, in pipeline transport, it is carried out in the departments of main pipelines. In air and inland water transport, the list of basic objects includes all transport enterprises operating in the Republic of Kazakhstan, regardless of their size.

A sampling method is used to monitor tariffs for road transport services.

The information basis for creating a list of basic objects is the data of the statistical business register and national statistical observation on the services of road and urban electric transport by type of communication.

The sample includes transport enterprises of all forms of ownership and size, operating on an ongoing basis and providing a significant volume of services for a particular region. Transport companies are connected that have a significant fleet of vehicles and have stable ties with the main customers of cargo transportation services, ensuring the regularity of obtaining price information comparable over time.

S.4.4 Statistical concepts and definitions

T.1) Observation of changes in tariffs is carried out in accordance with the Methodology for constructing an index of tariffs for freight transport 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 the section "Methodology" / "Price statistics", and on the website www.adilet.kz.

The Methodology uses the following definitions:

- aggregate price index - a relative indicator characterizing 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 indices;
- aggregation - combining low-level economic indicators into larger aggregates at all subsequent levels;
- registration of prices - a method of collecting information on the level of prices for goods, products, services, carried out on a sample representative set of basic objects;
- basic object - a legal entity selected for monitoring and registering tariffs in it;
- individual price index - the change in prices of one element of the studied population (specific goods, services);
- classification - dividing a set of objects into groups based on similarity or difference in accordance with the accepted characteristics;

- - imputation - the process of replacing missing, incorrect or inconsistent values with other values;
- - the weight of the index is a value that reflects the importance of each individual element in their total population;
- - weighting - a procedure used in index calculations to obtain aggregated indicators and ensuring the commensurability of different tariffs that cannot be summed up directly;
- - a statistical indicator is a qualitative characteristic of socio-economic phenomena and processes in society, reflecting the essence of a phenomenon or process in specific conditions of place and time

2) Data collection toolkit - statistical forms:

- nationwide statistical observation "Report on tariffs for the carriage of goods by road transport enterprises" (code 261101143, index 1-tariff (automobile)), monthly frequency);
- nationwide statistical observation "Report on tariffs for the transportation of goods by pipeline transport enterprises" (code 261101150, index 1-tariff (pipeline)), monthly frequency);
- nationwide statistical observation "Report on tariffs for the carriage of goods by air transport enterprises" (code 261101145, index 1-tariff (air)), monthly frequency);
- national statistical observation "Report on tariffs for the carriage of goods by railway transport enterprises" (code 261101146, index 1-tariff (railway)), monthly frequency);
- nationwide statistical observation "Report on tariffs for the carriage of goods by inland water transport enterprises" (code 261101144, index 1-tariff (inland waterway)), monthly frequency);

Statistical forms are 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

Tariffs for the carriage of goods

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

The general population for the sample of basic objects is made up of legal entities and (or) their structural and separate subdivisions with the main type of activity according to the code of the General classifier of types of economic activities:

- 1) "Freight transport by road" (OKED - 49.41);
- 2) "Transportation by pipeline" (OKED - 49.50);
- 3) "Air transport" (OKED - 51);
- 4) "Freight rail transport" (OKED - 49.20);
- 5) "River freight transport" (OKED - 50.40).

To monitor changes in tariffs for freight transport services, basic objects are selected taking into account their representativeness in the entire aggregate and the possibility of regularly obtaining data on the types of services selected for monitoring. Selection is done by combining continuous and sample methods.

S.4.7 Territorial coverage

Republic of Kazakhstan, regions, Nur-Sultan, Almaty, Shymkent. S.4.8 Time coverage

The index of tariffs for the transportation of goods has been formed since January 1992, there are time series for 1992-2018.

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 order of the acting 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 on a gratuitous basis of statistical information 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 the order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated 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 an index of tariffs for freight transport services", 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 June 3, 2016 No. 104 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 13869.

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 - 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 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 - data handling

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

Once on the 27th of the reporting month, the bulletin "Index of tariffs for the carriage of goods by all modes of transport of the Republic of Kazakhstan" is published, which contains data on price changes for the month compared to the previous month, December of the previous year, the corresponding month and period of the previous year, December 2015, by types of transport and cargo.

S.11.2 Publications

1) The statistical bulletin "Index of tariffs for the carriage of goods by all modes of transport 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 in tariffs across the republic and in the context of regions for all periods of comparison by types of transport and cargo. Placed in the section Official statistical information (by industry) / Prices and tariffs.

2) Annual statistical compilation "Prices in construction and production services in the Republic of Kazakhstan" - annual data on changes in tariffs in dynamics (monthly) by type in the whole country and regions are published 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 manufacturing services / Tariff index for the carriage of goods by all modes of transport"

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

Unacceptable

S.11.5.1 AC2. Metadata consultation

Not implemented

S.12 Availability of Documentation

S.12.1 Methodology documentation

"Methodology for constructing an index of tariffs for freight transport services", 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 June 3, 2016 year No. 104 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 13869. 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 guide; 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 is carried out (in dynamics, with administrative data, cross-sectoral);
- 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 an index of tariffs for freight transport services does not pass the expertise of international organizations, since it is a sub-index in the price indices for services in the manufacturing sector.

S.14 Relevance

S.14.1 Needs

Of interest to business and the public is the index of tariffs for the transportation of goods, which are formed in the Republic of 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 the transportation of goods is ensured by carrying out the best chosen observation method.

The methodology for calculating the tariff index for the transportation of goods is based on international standards, which contain requirements for the selection of basic facilities, statistical monitoring of tariffs and procedures for calculating the indicator.

For the accuracy of calculating tariff indices and avoiding distortion of the index, the base period of the weights and the base period of tariffs are brought to a single time interval. For this, the procedure for adjusting the weights is used, consisting of the following sequential operations:

- 1) determination of the correction factor;
- 2) determination of corrected weights;
- 3) normalization of weights.

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

Methods for calculating "notional" tariffs are applied in accordance with the Methodology for constructing an index of tariffs for freight transport services. The missing response rate is not calculated.

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 13th day after the deadline for submitting the primary statistical information by the respondents and are final. The release dates were approved and published in the Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information.

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 the 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

no

S.17.2 Length of comparable time series / CC2

The dynamic range of the freight rate index has been comparable and continuous since 1992.

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 an index of tariffs for freight transport 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.

No administrative data or other sources are used.

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

The construction of an index of tariffs for the carriage of goods by all modes of transport involves the use of two data streams: weight components (weighing scheme) and changes in tariffs for the carriage of goods.

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 the transportation of goods, the number of transported goods (tons) included in the observation.

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

- nationwide statistical observation "Report on tariffs for the carriage of goods by road transport enterprises" (code 261101143, index 1-tariff (automobile)), monthly frequency);
- nationwide statistical observation "Report on tariffs for the transportation of goods by pipeline transport enterprises" (code 261101150, index 1-tariff (pipeline)), monthly frequency);
- nationwide statistical observation "Report on tariffs for the carriage of goods by air transport enterprises" (code 261101145, index 1-tariff (air)), monthly frequency);

- national statistical observation "Report on tariffs for the carriage of goods by railway transport enterprises" (code 261101146, index 1-tariff (railway)), monthly frequency);
- nationwide statistical observation "Report on tariffs for the carriage of goods by inland waterway transport enterprises" (code 261101144, index 1-tariff (inland waterway)), 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 (automobile) "Report on tariffs for the carriage of goods by road transport enterprises";
- 1-tariff (pipeline) "Report on tariffs for the transportation of goods by pipeline transport enterprises";
- 1-tariff (air) "Report on tariffs for the carriage of goods by air transport enterprises";
- 1-tariff (railway) "Report on tariffs for the carriage of goods by railway transport enterprises";
- 1-tariff (inland waterway) "Report on tariffs for the carriage of goods by inland waterway transport enterprises");

It is carried out in electronic form through the use of the information system "Data collection in on-line mode" posted on the Internet resource Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan (www.stat.gov.kz).

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 the statistical methodology.

S.21.5 Imputation - share / A7

The imputation is carried out according to the Methodology for constructing an index of tariffs for freight transport services.

S.21.6 Adjustment

Not applicable.

S.21.6.1 Seasonal adjustment

Not implemented.

S.22 Notes