



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

Quality report

*The Price index for export deliveries of products
to the EAEU countries*

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S.1 Контактные данные

S.1.1 Организация

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 Mailing address of the contact person

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S.2 Introduction-Relevance

1) Price statistics - a branch of economic statistics, studying the price behavior of the subjects in the various sectors of the economy by monitoring the level of prices and their changes through a system of price indices.

Indicators of price statistics are used to assess the state of the market economy, the impact of price changes on the standard of living of the population and business activity.

2) The purpose of constructing a price index for export supplies of goods and products to the countries of the Eurasian Economic Union (hereinafter referred to as the EAEU) is to measure the magnitude of changes in prices for goods exchanged between residents of the Republic of Kazakhstan and residents of the EAEU countries, obtained according to the data of the state statistical observation of the prices of export supplies.

3) The price index for export supplies of goods and products to the EAEU countries characterizes the change in prices for goods produced in the republic and exported to the EAEU countries.

4) The index of export supplies of goods and products to the EAEU countries has been formed since 2016.

5) 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", where indicators are analyzed in detail 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 price index for export deliveries of goods and products to the EAEU countries is calculated by commodity groups, subsections, sections of foreign economic activity, for products classified by final destination, for a month by comparison periods (reporting month to the previous month, December of the previous year, to base years; month and the period of the reporting year to the corresponding months and periods of the previous year; the reporting quarter to the previous quarter, corresponding to the quarter of the previous year) for the republic.

S.4.2 Classification system

When building export supplies of goods and products, the EAEU TNVED classification is used - "Commodity nomenclature of the EAEU's foreign economic activity", which is posted on the Bureau of national statistics website www.stat.gov.kz in the Classifiers / Interstate section.

To construct a price index for export supplies of goods and products to the EAEU countries, the following main classes and types of products are taken into account:

- 1) raw materials (agricultural products, mineral raw materials);
- 2) semi-finished products;
- 3) finished goods (consumer goods: food and non-food products);
- 4) investment goods (building materials, machinery, equipment and vehicles).

S.4.3 Sectoral coverage

Representatives of the sampled legal entities and (or) their structural and separate divisions that export goods and products to the EAEU countries.

The sectoral coverage allows taking into account the change in prices for export supplies of goods and products to the EAEU countries according to 18 sections of the EAEU TNVED (I, II, III, IV, V, VI, VII, VIII, IX, X, XI, XIII, XIV, XV, XVI, XVII, XVIII, XX).

S.4.4 Statistical concepts and definitions

1) For the calculation of price indices, primary statistical data of the state statistical observation of prices for a sample of exporters and selected types of products (form 1-C (export, import)) and national statistical observation on mutual trade in goods with the member states of the Eurasian Economic Union are used (Form 1-TC).

2) Observation of changes in prices for export supplies of goods and products to the EAEU countries is carried out according to the Methodology for constructing price indices for export supplies and import receipts, which is available on the Bureau of national statistics website www.stat.gov.kz in the Methodology / Price statistics section and on the website www.adilet.zan.kz.

Definitions:

- aggregated price 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 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;
- base object - a legal entity selected for monitoring and registering prices in it;
- individual (elementary) price index - the change in prices of one element of the studied population (specific goods, services);
- imputation - the process of replacing missing, incorrect or inconsistent values with other values;

- representative product - a certain type of product in the product group, which differs in minor features (details) that do not affect the quality and basic consumer properties of the goods and are homogeneous in their consumer purpose;
- weighing scheme - a set of weights for specific types of products (goods), services, determined by all degrees of aggregation according to the standard classification;
- product characteristics - distinctive properties, specifications for the identification of an individual product, products selected for price registration;
- sampling - individual items from approved classifiers, nomenclatures and reference books used in the collection and processing of statistical data.

3) National statistical monitoring of the prices of export supplies of goods and products to the EAEU countries is carried out for a sample of basic objects, goods, products.

To survey the prices of export supplies of goods and products to the EAEU countries, a sample observation method is used.

When selecting, the sample does not include individual entrepreneurs and individuals, which are characterized not only by their frequent turnover, but also by the ongoing assortment shifts in goods and their characteristics.

4) A sample set of goods, products - the maximum possible number of sections of the EAEU TNVED and commodity groups in a separate section are selected, taking into account their importance in the general structure of foreign trade turnover.

For observation in the form 1-C (export, import), a sample set of basic objects and representative goods in commodity groups is formed.

5) The circle of respondents - legal entities included in the sample and (or) their structural and separate divisions that export goods, products;

6) Data collection toolkit - a statistical form of national statistical observation "Report on the prices of export supplies and import receipts of goods, products"

(code 261101164, index 1-C (export, import), monthly frequency);

7) Submission deadline - monthly, up to the 15th day (inclusive) of the reporting period, in accordance with the Plan of statistical work.

8) 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 20__ year / Monthly forms / 1-C (export , import).

S.4.5 Statistical object

Statistical object for the price index of export supplies of goods and products to the EAEU countries - legal entities are selected, mainly large and medium exporters, who inspect significant goods and make regular, significant volumes of supplies of goods, products to the foreign market, and along with them, intermediary organizations, specializing in foreign trade transactions.

The general population for compiling samples of basic objects exporting goods and products to the EAEU countries is the data of the statistical business register.

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

The selection of goods, products is carried out on the basis of the analysis of statistical data on the volume of foreign trade turnover of the republic for a certain year, expressed in tenge.

The sample set of goods and products is carried out in two stages based on the analysis of statistical data on the volume of foreign trade turnover of the republic, and at each stage certain selection criteria are used.

The first stage - the study of the structure of the republic's foreign trade turnover, provides for a large division of goods, products into the maximum possible number of commodity groups in a separate section of the EAEU TNVED classification. From each section, commodity groups are selected at the level of 6 characters, the total turnover of which has a predominant share (70%) in the overall structure of foreign trade turnover.

The second stage is the selection of representative goods in the product groups defined for national statistical observation.

To ensure a high degree of representativeness, the sample includes goods, products:

- 1) representative, available in terms of collection;
- 2) comparable between different months;
- 3) circulating in foreign trade for a long time;
- 4) easily identifiable by units of measurement and quality determined by trade marks, product codes and other identification signs.

S.4.7 Territorial coverage

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

S.4.8 Time coverage

The price index for export supplies of goods and products to the EAEU countries, which characterizes the change in prices of foreign trade transactions, expressed in tenge, has been formed since 2016. There are time series from 2016 to the present.

S.4.9 Base period

The base period changes every five years.

In 2016-2020. the base period is December 2015. In

2021-2025. - December 2020 etc.

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 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 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 price indices for export supplies and import receipts "approved by order of the Chairman of the Bureau of national statistics dated August 20, 2015 No. 124 and registered with the Ministry of Justice of the Republic of Kazakhstan on September 16, 2015 No. 12063.

S.8 Privacy and data protection

S.8.1 Privacy policy

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S.8.2 Privacy-handling of data

1. 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.

2. 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 of the Committee. The main goal of the Policy is to ensure the accessibility of official statistical information, confidentiality of information stored and processed on the computer facilities of the Committee under the conditions of its integrity and authenticity.

S.9 Publication Policy

S.9.1 Publications calendar

According to clause 1, clause 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 being 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 / Basic documents section.

S.9.3 User access

Official statistical information is subject to dissemination in accordance with the schedule for the dissemination of official statistical information in the volumes stipulated by the statistical work plan.

State statistics bodies provide users with equal rights to simultaneous access to high-quality official statistical information and statistical methodology by posting them on the Internet resources of state statistics bodies (Website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz).

S.10 Propagation frequency

month

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

Press releases are not published.

S.11.2 Publications

1) Express information "On changes in prices for export supplies of products from the Republic of Kazakhstan" contains data on changes in prices for export supplies in the republic, according to the final destination of products, in the reporting period compared to the previous month, December of the previous year, to the base year, the corresponding month and the period of the previous year.

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 in the section Official statistics / By industries / Price statistics / Express information.

2) The statistical bulletin "Price indices of mutual trade of the Republic of Kazakhstan with the EAEU member states" contains data on changes in prices for export supplies by goods and groups of countries in the reporting period compared to the previous month, December of the previous year, to the base year, the corresponding month and period of the previous year, the reporting quarter to the previous quarter corresponding to the quarter of the previous year.

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 in the section Official statistics / By industries / Price statistics / Bulletins.

3) Dynamic tables on price indices of export supplies of goods, products to the EAEU countries by product groups, subsections, sections of foreign economic activity, by products classified by final destination, for a month by comparison periods (reporting month to the previous month, December of the previous year, to base year; month and period of the reporting year to the corresponding months and periods of the previous year; reporting quarter to the previous quarter, corresponding to the quarter of the previous year) for the republic are posted in the Taldau information and analytical system on the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan <https://taldau.stat.gov.kz>.

S.11.3 Databases in on-line mode

IAS "Taldau" <https://taldau.stat.gov.kz>

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 price indices for export supplies and import receipts" was approved by order of the Chairman of the Bureau of national statistics of August 20, 2015 No. 124 and registered with the Ministry of Justice of the Republic of Kazakhstan on September 16, 2015 No. 12063. 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 Main / Methodology / Price statistics and on the website www.adilet.zan.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 price indices for export supplies and import receipts has been improved on the basis of the progressive experience of the Statistics Agency of Finland within the framework of the project “KAZSTAT: Project to Strengthen the National Statistical System”.

S.14 Relevance

S.14.1 Needs

The price index for export deliveries of goods and products to the EAEU countries satisfies the needs of a wide range of users, internal (sectoral statistics bodies), external (government agencies, economists, employees of governing bodies and financial and economic services of enterprises, organizations, scientific, entrepreneurial and bank employees, professors. - teaching staff, students, mass media).

S.14.2 User satisfaction

An annual survey of users of official statistical information is carried out according to the questionnaire Q-002 “Survey of users”.

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 price indices for export deliveries to the EAEU countries is ensured by conducting the optimal observation method.

The methodology for constructing price indices for export supplies and import receipts is based on international standards, which lay down the requirements for the selection of basic objects, statistical observation of prices 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

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S.15.3.1.2 A3. Common units-ratio

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S.15.3.3 No response errors

S.15.3.3.1 A4. Absence unit-fraction

Methods for calculating “notional” prices are applied in accordance with the Methodology for constructing price indices for export supplies and import receipts. 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 are published 42 calendar days after the reporting period and are final.

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

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S.17.1.1 Asymmetry in mirror flow statistics-coefficient / CC1

Not.

S.17.2 Length of comparable time series / CC2

The price index for export supplies of goods and products to the EAEU countries, which characterizes the change in prices of foreign trade transactions, expressed in tenge, has been formed since 2016. There are time series from 2016 to the present.

S.18 Consistency

S.18.1 Consistency, external, cross

The main approaches of the methodology for constructing price indices for export supplies and import receipts were developed within the framework of the KAZSTAT project to strengthen the national statistical system of the Republic of Kazakhstan for 2012-2016, taking into account the principles and recommendations of the “Guidelines for the export and import price index: theory and practice” - 2009 prepared by the International Labor Organization (ILO), the International Monetary Fund (IMF), the Organization for Economic Cooperation and Development (OECD), the Statistical Office of the European Communities (Eurostat), the United Nations (UN) and the World Bank.

S.18.2 Internal consistency

The methodology for constructing price indices for export supplies and import receipts 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

1) Submission of statistical form 1-C (export, import) is carried out on paper or in electronic form. Filling in the statistical form electronically is carried out through the online data collection information system posted on the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan (<https://cabinet.stat.gov.kz/>), in which automated arithmetic and logical controls are provided for the respondent, excluding the possibility of typical input errors.

2) There is no duplication with other examinations.

3) The data of the state statistical observation on mutual trade in goods with the member states of the Eurasian Economic Union (Form 1-CU) are used.

S.20 Data revision

S.20.2 Revision of data / A6

Unacceptably.

S.21 Processing of statistical data

S.21.1 Input data

The price index for exported goods to the EAEU countries is formed on the basis of data from national statistical observations of the prices of exporting enterprises (form 1-C (export, import)) and on mutual trade in goods with the member states of the Eurasian Economic Union (form 1-CU), expressed in tenge. Determining for it are the FOB conditions, under which the price of goods includes its cost and transportation costs to the border of the Republic of Kazakhstan, cargo insurance and others, depending on the terms of delivery, but excluding customs duties.

The monitoring of changes in prices for export supplies to the EAEU countries is carried out on a sample set of basic objects, goods, products.

When constructing the price index for export deliveries to the EAEU countries, a weighing scheme is used, formed on the basis of data on the cost of export deliveries to the EAEU countries for a certain year. The weighing scheme is used to calculate the aggregated price index for the republic.

The process of constructing a weighing scheme for the price index of export supplies to the EAEU countries includes the following sequential operations:

1) determination of the value of exported goods, products and its distribution between sections, subsections, groups of goods, products included in the observation (average annual cost);

- 2) adjusting the cost to account for data not included in the list of goods, products, by distributing them proportionally across all its constituent elements;
- 3) the implementation of the linkage by types of goods, products of average annual value and price level according to a single time period, taken as a comparison base (adjusted value);
- 4) distribution of the adjusted cost depending on the direction of delivery (final cost).

During the reporting year, the weighing scheme remains constant. The weighing scheme is updated annually, since the cost of exported goods, the products from which the weighing scheme is formed, changes due to the fact that the amount of exported goods, products and the dynamics of prices for them from year to year differ significantly.

The weighing scheme revised once a year is the closest to the current period and accurately reflects the real structure of foreign trade turnover.

S.21.2 Inspection frequency

month

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

The submission of the statistical form 1-C (export, import) "Report on the prices of export deliveries and import receipts of goods, products" is carried out in hard copy on purpose to the "One window" of territorial statistical bodies, through postal communication services or in electronic form. Filling out the statistical form in electronic form is carried out through the information system "Data collection in online mode" posted on the Internet resource Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan ([https:// cabinet. stat.gov.kz/](https://cabinet.stat.gov.kz/))

S.21.4 Reliability of primary statistical data

When entering primary statistical data, format-logical controls of the minimum and maximum price indices are laid down; comparison with the price level of the previous month, various output data controls are also laid. In accordance with Article 17 of the Law of the Republic of Kazakhstan "On State Statistics", the respondent is obliged to provide 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 price indices for export supplies and import receipts. When registering prices, there are often situations associated with the lack of information on prices for goods, products due to the irregularity of export deliveries throughout the year. Therefore, during the reporting year, it becomes necessary to use "conditional prices" or impute prices for temporarily absent representative goods. To ensure the continuity of the dynamic series of price indices, there are the following methods of using "conditional prices":

- 1) using a price equal to the price of the previous month;
- 2) the use of the price adjusted for the change in prices for the same representative goods, but a different consignment or country of destination;
- 3) the use of the price adjusted for the change in prices for similar goods-representatives of other basic objects.

The use of the "conditional price" at the level of 100% to the level of the previous period (month) will take place until the next fact of the foreign trade transaction. At the same time, in cases where it is impossible to register the price of representative goods for more than two to three months, the procedure for replacing the selected variety of goods with a new representative product in the base object is applied.

S.21.6 Adjustment

Unacceptably.

S.21.6.1 Seasonal adjustment

Not implemented.

S.22 Notes

Continue work to ensure the quality of statistical data.