



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

Quality report

*The main indicators of the industry of the Republic
of Kazakhstan*

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 Production and Environment 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

National statistical observation 1-P "Report of the enterprise on the production and shipment of products (goods, services)" is organized with the aim of forming the main indicators characterizing the production of industrial products (goods, services) in the Republic of Kazakhstan.

Data on the main indicators of industry performance (by region, by type of economic activity, by the structure of industrial production, as well as industrial production in physical terms) are formed on a monthly, quarterly and annual basis. Information on the main indicators of industrial performance is formed on the basis of primary statistical data in accordance with the "Methodology for the formation of indicators and calculation of gross industrial output (goods, 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 December 20, 2017 No. 202 and registered with the Ministry of Justice of the Republic of Kazakhstan on January 3, 2018 No. 16171.

Considering that industrial production plays an important role in the development and effective functioning of the state economy, the main users of statistical information are the Government of the Republic of Kazakhstan, state bodies, international organizations, educational institutions, business structures and a number of other users.

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.

S.3 Updating metadata

S.3.1 Latest confirmation of updated metadata

11/15/2019

S.3.2 Last Placement of Metadata

11/15/2019

S.3.3 Latest metadata update

11/15/2019

S.4 Presentation of statistical information

S.4.1 Data description

The main indicators of industrial performance are formed in the context of regions, by types of economic activity, by the structure of industrial production, as well as industrial production in physical terms.

To calculate the index of industrial production (hereinafter - IPP), the index of physical volume of the Laspeyres type is used, the arithmetic version of which is the Young's index, which is a weighted average ratio of individual quantities $(Q_i / t) / (Q_i, t)$ obtained using the weights W_i, b period b (where $b \leq 0$). Young's index is equal to the Laspeyres index when the base period for the weights and the index calculation coincide ($b = 0$). In practice, the basis period for the weights (b) is significantly longer than the periods 0 and t . Calculation of weights is based on data on expenditures for an annual period or more, data on quantities are taken for a month and refer to a later year.

The calculation of the IPP is carried out according to the following formulas:

$$I_{t/b} = (Q_t \times P_b) / (Q_b \times P_b) \times 100, (1)$$

Where:

$I_{t/b}$ - indices characterizing the change in production in the reporting period t (month or period from the beginning of the reporting year) in comparison with the average monthly volume of the base year;

Q_t and P_b - the number of products in the reporting and base periods, respectively;

P_b - the average price of the base year. I

$$(t-1) / b = (Q (t-1) \times P_b) / (Q_b \times P_b) \times 100,$$

Where:

(2)

$I(t-1) / b$ - indices characterizing the change in production in the past t-1 period (the previous month, the corresponding month of the last year or the corresponding period since the beginning of the last year) compared to the average monthly volume of the base year;

$Q(t-1)$ - the number of products in the previous month, the corresponding month of the last year or the corresponding period from the beginning of the last year;

Q_b - the number of products in the base period;

P_b is the average annual price of the base year.

$$I_t / (t-1) = (I_t / b) / (I_{t-1} / b) \times 100, (3)$$

Where:

$I_t / (t-1)$ - indices characterizing the change in production in the reporting period t (month or period since the beginning of the reporting year) compared to the previous period t-1 (the previous month, the corresponding month of the last year or the corresponding period since the beginning of the last year) , which are obtained by dividing the indices calculated in formulas (1) and (2);

I_t / b - indices characterizing the change in production in the reporting period t (month or period from the beginning of the reporting year) in comparison with the average monthly volume of the base year;

I_{t-1} / b - indices characterizing the change in production in the past period t-1 (the previous month, the corresponding month of the last year or the corresponding period from the beginning of the last year) in comparison with the average monthly volume of the base year. Comparison of the volume of production for the period of time t with the volume of production for the period t-1 is carried out by comparing the deviations of these two volumes from the average monthly value of the base year.

S.4.2 Classification system

The following statistical classifiers are used:

- 1) KATO - Classifier of administrative-territorial objects;
- 2) OKED - General classifier of economic activities;
- 3) KFS - Classifier of forms and types of ownership;
- 4) KRP - Classifier of the dimension of legal entities;
- 5) KOPF - Classifier of organizational and legal forms of management;
- 6) CSE - Classifier of sectors of the economy.
- 7) SKPP - Directory of industrial products (goods, 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 "Classifiers" section).

S.4.3 Sectoral coverage

In accordance with the classification of products by type of economic activity, the following sectors are classified as industrial statistics:
mining and quarrying;
manufacturing industry;
power supply, gas, steam and air conditioning; water supply, sewerage system, control over the collection and distribution of waste.

S.4.4 Statistical concepts and definitions

1. Observation type - continuous;
2. The circle of respondents - legal entities and (or) their structural and separate divisions with the main and secondary type of activity "Industry" (according to the codes of the General Classifier of Economic Activities - OKED 05-33, 35-39) regardless of the number of employees. Submission deadline - until March 14 (inclusive) after the reporting period;
3. Toolkit for data collection - a statistical form of national statistical observation "Enterprise report on the production and shipment of products (goods, services)" (code 151112128, index 1-P, annual 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".

Key indicators of industry statistics:

The volume of production of industrial products (goods, services) - the cost of all finished products (products) produced by the enterprise, semi-finished products of its production (both from its own raw materials and materials, and from the customer's raw materials and materials), intended for sale to the outside, its capital construction and to their non-industrial divisions, issuing to their employees as payment for labor, as well as works and services of an industrial nature, performed according to the orders of the customer. Calculated without value added tax, excise taxes and without intra-plant turnover, work in progress and the cost of customer-supplied raw materials;

Production of industrial products in physical terms - gross output of specific types of products in physical terms, including products spent on industrial and production needs within a given enterprise and produced from raw materials supplied by the customer;

Industrial production index - a short-term economic indicator of industrial statistics that reflects changes over time in the physical volume of value added in industry;

The volume of shipped industrial products (goods, services) in value terms - the cost of products of own production, actually shipped (transferred) in the period under review to consumers (including products handed over to the customer on the spot), the work performed and services accepted by the customer, regardless of whether the money was credited to the company's account or not;

Tolling raw materials - raw materials belonging to the customer, transferred for industrial processing to other enterprises for the production of products from it;

S.4.5 Statistical object

The statistical object is legal entities and (or) their structural and separate divisions with the main and secondary type of activity "Industry" (according to the codes of the General Classifier of Economic Activities - OKED 05-33, 35-39), regardless of the number of employees.

In 2018, the number of enterprises and industries amounted to 12486.

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

The observation is carried out by a continuous method.

S.4.7 Territorial coverage

All regions, cities of republican significance and the capital.

S.4.8 Time coverage

The time series is available from 1990 to 2018.

S.4.9 Base period

Corresponds to the previous year.

S.5 Unit of measurement

Thousand tenge Kazakh

S.6 Reporting period

year

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. The plan of statistical work, approved in accordance with the established legislative procedure of the Republic of Kazakhstan by order of the Minister of National Economy of the Republic of Kazakhstan.
4. 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.
5. Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.
6. "Methodology for the formation of indicators and calculation of the gross output of industrial products (goods, 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 December 20, 2017 No. 202 and registered in Ministry of Justice of the Republic of Kazakhstan January 3, 2018 No. 16171.
7. "Methodology for calculating the index of industrial production", 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 11, 2016 No. 235 and registered with the Ministry of Justice of the Republic of Kazakhstan on November 11, 2016 No. 14413 .
8. "Methodology for data editing in production and environmental statistics" approved by the Order of the Acting Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated March 29, 2016 No. 51 and registered with the Ministry of Justice of the Republic Kazakhstan April 25, 2016 No. 13626.

S.8 Privacy and data protection

S.8.1 Privacy Policy

1. Article 8 of the Law of the Republic of Kazakhstan dated 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 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 - data handling

Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by the order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

S.9 Publication Policy

S.9.1 Publication Calendar

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 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 "Home" // "Basic documents".

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 section "Home" // "Basic documents".

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. Official statistics> By industry> Industrial production and environmental statistics.

S.10 Propagation frequency

year

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

No press releases will be issued.

S.11.2 Publications

1) The statistical bulletin "Key performance indicators of the industry of the Republic of Kazakhstan" is published annually 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. The statistical bulletin reflects the volume of industrial production (goods, services), industrial production indices and industrial production in physical terms. The bulletin is available in the section Official statistical information (by industry) / Statistics of industrial production and the environment.

2) The statistical collection "Industry of Kazakhstan and its regions" is published annually on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz. The collection contains a brief description of the results of the work of the industry. Industrial production in Kazakhstan covers the types of activities "Mining and quarrying", "Manufacturing industry", "Power supply, gas, steam and air conditioning", "Water supply; sewerage system, control over the collection and distribution of waste "in accordance with OKED. Placed in the section Official statistical information (by industry) / Collections, quarterly publications, spreadsheets, analytics.

3) Express information "The results of the industry in 2018" is published annually 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. The express information reflects the volumes and indices of industrial production by region and by type of activity. Placed in the section Official statistical information (by industry) / Statistics of industrial production and the environment.

4) Time series "Volumes of industrial production by types of economic activity in the Republic of Kazakhstan", "Indices of industrial production by types of economic activities in the Republic of Kazakhstan" and "Production in kind by regions" are published annually 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. The time series show the volumes and indices of industrial production by region and by type of activity. Production in kind in terms of regions covers the types of activities "Mining and quarrying", "Manufacturing industry", "Power supply, gas, steam and air conditioning", "Water supply; sewerage system, control over the collection and distribution of waste "in accordance with OKED. Placed in the section Official statistical information (by industry) / Statistics of industrial production and the environment.

S.11.3 Databases in on-line mode

IAS "Taldau" in the section "Statistics of industrial production and the environment".

S.11.3.1 AC1. Data tables-consultation

Not implemented

S.11.4 Microdata access

Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by the order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

S.11.5 Other

not

S.11.5.1 AC2. Metadata consultation

Not implemented

S.12 Availability of Documentation

S.12.1 Methodology documentation

"Methodology for the formation of indicators and calculation of the gross output of industrial products (goods, 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 December 20, 2017 No. 202 and registered with the Ministry of Justice Republic of Kazakhstan January 3, 2018 No. 16171. 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 / Industrial Production 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 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 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 industrial 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.

S.13.2 Quality control

When developing the Methodology for the Formation of Indicators and Calculation of the Gross Output of Industrial Products (Goods, Services), the System of National Accounts 2008, the International Recommendations for Industry Statistics and the International Recommendations for the Industrial Production Index of the United Nations were used as a methodological basis.

S.14 Relevance

S.14.1 Needs

The main users of information are the Government of the Republic of Kazakhstan, state bodies, international organizations (Statistical Committee of the CIS, UN Statistical Division, UNECE, Eurasian Economic Commission, UNIDO), educational institutions, business structures and a number of other users.

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

Accuracy and reliability is ensured by conducting an optimally selected observation method, according to the "Methodology for the formation of indicators and calculation of gross output of industrial products (goods, services)", which is based on international standards.

S.15.2 Sample errors - indicators / A1.

Not applicable.

S.15.3 Non-sampling error

Not applicable.

S.15.3.1 Coverage error

Not applicable.

S.15.3.1.1 A2. Overcoverage-share

Not applicable.

S.15.3.1.2 A3. Common units-ratio

Not applicable.

S.15.3.3 No response errors

S.15.3.3.1 A4. Absence unit-share

Not applicable.

S.15.3.3.2 A5. No response-share clause

Not applicable.

S.16 Timeliness and punctuality

S.16.1 Timeliness

S.16.1.1 TP1 Waiting period - first results

The time spent on processing the first results, from the time the respondents provided to the first publication of the main indicators of industry performance, averaged 110 days.

The results in the bulletin are published annually on the 2nd of July and are final. Prior to the publication of annual data, operational data are generated on a monthly basis. 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 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 publications are set in the Plan of Statistical Works (approved annually by order of the Minister of National Economy of the Republic of Kazakhstan and registered with the Ministry of Justice of the Republic of Kazakhstan).

Actual and planned dates coincide, there was no disruption to the publication dates for 2018. Release of the publication is postponed to the next business day if the publication falls on weekends or holidays.

S.17 Comparability

S.17.1 Geographic comparability

Within the territories 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 industrial production volumes (goods, services) has been comparable and continuous since 1990.

S.18 Consistency

S.18.1 Consistency, external, cross

When developing the Methodology for the Formation of Indicators and Calculation of the Gross Output of Industrial Products (Goods, Services), the System of National Accounts 2008, the International Recommendations for Industry Statistics and the International Recommendations for the Industrial Production Index of the United Nations were used as a methodological basis.

S.18.2 Internal consistency

For the formation of GDP and GRP, the Department of National Accounts is provided with data on gross output and the index of industrial production for the industry sector.

The Department of Services and Energy Statistics uses data on the volume of production of certain types of industrial products for publication in the monthly bulletin “Resources and use of certain types of products (goods) and raw materials in the Republic of Kazakhstan”.

S.19 Load

The collection is carried out electronically and on paper. 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, control of input and output information is provided. In 2018, the number of respondents who reported was 22,727, of which more than 75% report online. The time spent on filling out the statistical form is on average 4-8 hours. There is no duplication with other examinations. No administrative data or other sources are used.

S.20 Data revision

S.20.2 Revision of data / A6

In exceptional cases, the time series is recalculated (published statistical information is revised in case of a change in the statistical methodology and on the basis of updated, documented information).

S.21 Processing of statistical data

S.21.1 Input data

The information base for the formation of indicators of industrial products (goods, services) is the primary data of national statistical observations of industrial enterprises, enterprises with a secondary type of activity "Industry", the volume of products produced by individual entrepreneurs, peasant or farms, survey data on expenditures and incomes in households .

S.21.2 Inspection frequency

year

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

The submission of the statistical form 1-P "Report of the enterprise on the production and shipment of products (goods, services)" is carried out on paper on purpose to the "One window" of the territorial statistical bodies, through postal communication services or in electronic form. Filling out 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/>)

S.21.4 Reliability of primary statistical data

Primary statistical data are compiled on the basis of primary accounting documents in accordance with international financial reporting standards, drawn up in the appropriate manner. Unreasonable discrepancies between primary accounting data and data reflected in statistical observations are not allowed. In addition, the software package contains format-logical controls. 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

Not applicable.

S.21.6 Correction

Not applicable.

S.21.6.1 Seasonal adjustment

Not applicable.

S.22 Notes