Quality report

Gross regional product of the Republic of
Kazakhstan for 2018 with the identification
of the non-observed economy

Content

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 National Accounts
S.1.3 Name of contact person
Sarmagambet Moldir Azamatkyzy
S.1.3.1 Name of the head of the responsible structural unit
Nakipbekov Asset Erikovich
S.1.5 Postal address of the contact person

010000, Republic of Kazakhstan, Nur-Sultan, Left Bank, st. Mangilik el 8, 4 entrance

S.1.6 E-mail address of the contact person
m. sarmagambet@economy.gov.kz

S.1.7 Contact person's phone number
+ 7 (7172) 74-93-02

S. 2 Introduction-Relevance

The main purpose of the System of National Accounts (hereinafter - SNA) is to provide a comprehensive conceptual framework and accounting structure that could be used to create a macroeconomic database suitable for analyzing and assessing the performance of the economy. The presence of such a database is a prerequisite for formulating sound and rational policies and making appropriate decisions. Gross Regional Product (hereinafter - GRP) is the final result of the production activity of resident manufacturing units of a particular region, for a certain period of time and calculated in market prices. Due to the fact that there is no information base for the implementation of full-fledged calculations at the regional level of all components of final use and distribution, the GRP is calculated by the production method. Regional accounts data are required for both territorial and central government bodies of any country. At present, the relevance of the formation of GRP is due to the need to develop a regional statistical system by expanding the corresponding information base, the data of which is used both for scientific and applied research and development, as well as for modeling economic processes carried out by scientific and educational institutions and other organizations studying the economic the situation in the regions.

The main users are government bodies such as the Ministry of National Economy and the Republic of Kazakhstan, regional akimats, territorial departments of the Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan, local government bodies and research institutes.

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

GRP, calculated by the production method for 17 regions of the Republic of Kazakhstan, is the difference between the output of goods and services as a whole, on the one hand, and intermediate consumption, on the other, or as the sum of the added values created in the sectors of the economy of each region. The calculation of GRP by the production method is carried out according to the following formula:

$$GRP = GVA + NT$$

$$GVA = (Out - IC)$$

Where:

GRP - GRP;

GVA - Gross value added of the industry, million tenge;

Out - Gross output of the industry, million tenge;

IC - Intermediate consumption of the industry, million tenge;

NT - Net taxes on production and imports.

GRP by the production method is formed at current and constant prices by type of economic activity. Gross value added (hereinafter - GVA) is calculated as the difference between the output of goods and services and intermediate consumption (hereinafter - PP).

GRP calculations are carried out by a top-down approach, this approach is to distribute data on the economy as a whole between regions in accordance with indirect indicators characterizing the types of economic activities of the regions. To distribute the Gross Domestic Product (hereinafter referred to as GDP), statistical data from industry and structural statistics in the regional context are used. The gross output (hereinafter - BB) of the SNA, formed in the economy as a whole, taking into account adjustments and adjustments for the non-observed economy, is distributed in accordance with sectoral outputs for each type of activity in the context of regions. An example of the distribution of GDP by region is shown in Table 1.

Table 1. Distribution of GDP by region

Gross domestic product 100%					
5% GRP of the region №1	13% GRP of the region №2	25% GRP of the region №3	30% GRP of the region №4	17% GRP of the region №5	10% GRP of the region №6

The source of information for calculating intermediate consumption are the statistical forms "Report on the financial and economic activities of the enterprise" (index 1-PF) and "Report on the activities of a small enterprise" (index 2-MP). Based on these forms, the share of intermediate consumption in gross output for each industry in the context of regions is calculated. The sources of information are the data of the branch departments Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan and the state body (Ministry of Finance of the Republic of Kazakhstan).

GRP is calculated based on reported data on a quarterly and annual basis in the context of economic activities.

S.4.2 Classification system

General classifier of economic activities (NK RK 03-2007), harmonized with the international classifier NACE rev.2. The classifier 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 "Classifiers" section.

S.4.3 Sectoral coverage

Not applicable.

S.4.4 Statistical concepts and definitions

The system of national accounts is a logically consistent, harmonious and integral set of macroeconomic accounts, balance sheets of assets and liabilities, and tables, which is based on a number of internationally agreed concepts, definitions, classifications and accounting rules.

GRP is one of the most important indicators of the level of socio-economic development of the country's regions. This indicator is used in the formation of models for forecasting economic development.

Basic concepts with corresponding definitions according to SNA 2008:

Gross domestic product is one of the most important indicators of the system of national accounts, which characterizes the final result of a country's economic activity;

Gross output - represents the total value of goods and services produced in the economy in the reporting period;

Gross value added - characterizes the end result of production activities and represents the value added by processing in a given production process;

Intermediate consumption is equal to the value of goods and services that are transformed or completely consumed in the production process;

The volume index (hereinafter referred to as IFO) is a relative indicator characterizing the change in production volumes in the compared periods. It is calculated by dividing the value of a certain indicator in the current period, estimated in the prices of the reference period, by its value in the reference period;

Product taxes include taxes, the amount of which is directly related to the value of the products produced and the services provided. Product taxes include: value added tax, excise taxes, tax on imported goods and services, and others;

Subsidies for products - current uncompensated payments from the State budget to enterprises, provided that they produce a certain type of goods and services;

Net taxes on products are taxes less related subsidies.

S.4.5 Statistical object
Indicators by type of economic activity and by region.
S.4.6 General population (principle of selection of survey units)
Not applicable.
S.4.7 Territorial coverage

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

S.4.8 Time coverage

GRP has been formed since 1990, IFO is calculated from 2001 to the present.

S.4.9 Base period
The base period is the corresponding period of the previous year.
S.5 Unit of measurement
Million Kazakh tenge
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. 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.

3. 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. 4. System of National Accounts, 2008 (published by the Commission of the European Communities EUROSTAT, International Monetary Fund (IMF), Organization for Economic Cooperation and Development (OECD), United Nations (UN), World Bank).

5. "Methodology for calculating the gross regional product in current and constant prices", approved by order of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated November 27, 2015 No. 189.

6. "Methodology for assessing the non-observed economy", 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 August 7, 2019 No. 4. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 8, 2019 No. 19215.

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 No. 257-IV "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 No. 375-V ensures the protection of information constituting a commercial secret.

3. The information security 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 the 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-IV.
The statistical work plan and the Schedule for the dissemination of official statistical information are 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

Simultaneous and equal access for all users 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

Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan www.stat.gov.kz. Official statistics / By industries / National accounts statistics.

S.10 Propagation frequency

year

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

Press releases are not published.

S.11.2 Publications

1) Express information "Gross regional product of the Republic of Kazakhstan" on a quarterly basis contains data on gross value added by type of economic activity at current prices, volume index, specific weight of regions, schedule of gross regional product per capita, taxes on products.
Express information "Gross Regional Product of the Republic of Kazakhstan" in Word format in Kazakh and Russian languages is published 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 industry / National accounts statistics / Statistics / Express information.
2) The Bulletin "Gross Regional Product of the Republic of Kazakhstan" on an annual basis contains data by type of economic activity, such as: gross value added, volume index, share of regions, gross regional product per capita, net taxes on products and an estimate of the share of non-observed economy in GDP.
The bulletin "Gross Regional Product of the Republic of Kazakhstan" in Excel format in Kazakh and Russian languages is published 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 industry / National accounts statistics / Statistics / Bulletins.

3)Dynamic tables by GRP components contain the dynamics of data on gross value added, volume index, share of regions by type of economic activity in current prices, taxes on products, and gross regional product per capita. Dynamic tables in Excel format in Kazakh, Russian and English 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 in the section Official statistics / By industries / Statistics of national accounts / Statistics / Dynamic tables.

4) Statistical collection "National accounts of the Republic of Kazakhstan" contains data on gross value added by type of economic activity in current prices. The statistical compilation in Word and PDF format in Kazakh, Russian and English 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 in the section Official Statistics / Publications / Statistical collections / National accounts of the Republic of Kazakhstan.

5) Brochure "Regions of Kazakhstan" contains data on gross value added and the share of regions in GDP. The brochure in Word and PDF format in Kazakh, Russian and English 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 in the section Official statistics / Publications / Statistical compilations / Regions of Kazakhstan.

6) The booklet "Gross Domestic Product" contains data on gross value added, gross regional product per capita, IFO, a graph of the share of regions in GDP. The brochure in PDF format in Kazakh and Russian 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 in the section Official statistics / Publications / Statistical booklets / Gross Domestic Product .

S.11.3 Databases in on-line mode

Information and analytical system "Taldau"> National accounts statistics> Current accounts> Gross domestic product by production method.

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
S.11.5.1 AC2. Metadata consultation

Not implemented.

S.12 Availability of Documentation

S.12.1 Methodology documentation

1) System of National Accounts, 2008 (published by the Commission of the European Communities EUROSTAT, International Monetary Fund (IMF), Organization for Economic Cooperation and Development (OECD), United Nations (UN), World Bank). https://unstats.un.org/unsd/nationalaccount/docs/ SNA2008Russian.pdf. 2. "Methodology for calculating the gross regional product in current and constant prices", 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 November 27, 2015 No. 189.

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.Quality objectives of the Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan.

3. Documented information of the quality management system: Quality manual; Documented procedures; Instructions; Process maps.

4. Typical 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 data for national accounts statistics is supported by generally accepted procedures:

-forming in accordance with international recommendations to ensure the comparability of data in accordance with international standards;

-use of standard statistical classifications of goods, products, services;

- comparative analysis of statistical data is carried out.

S.13.2 Quality control

The quality is ensured by the strict application of the concepts of the international standard SNA 2008 and the reliability of the data.

S.14 Relevance

S.14.1 Needs

National accounts data are key information for monitoring economic policy and decision-making, forecasting, for administrative purposes and for informing the general public and for economic research. Users of annual national accounts data are usually interested in analyzing structural changes in the economy over the medium term.

Main users:

state bodies (Ministry of National Economy of the Republic of Kazakhstan and others);

research institutes (Institute for Economic Research and others);

international organizations (EAEC, CIS Statistical Committee and others);

regional akimats and territorial departments;

teachers and students of universities, as well as individuals and legal entities.

S.14.2 User satisfaction

The Committee annually conducts a survey of users of official statistical information according to the questionnaire Q-002 "User survey".

S.14.3 Completeness / R1. Data completeness-share

In accordance with the international standard SNA 2008.

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

S.15.1 Overall accuracy

The accuracy of the initial data is controlled by assessing the methodological soundness of data sources and adherence to methodological recommendations.

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

GRP data are published according to the terms specified in the Statistical Work Plan annually. The first results are preliminary. Preliminary figures are published 4 months after the reporting period (T + 4 months)..

S.16.1.2 TP2.Waiting Period - Latest Results

Reported data are published 8 months after the reporting period (T + 8 months). Reported data are final.

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

The data are published and disseminated in accordance with the Statistical Work Plan approved by the order of the Minister of the Ministry of National Economy of the Republic of Kazakhstan. According to the Plan of Statistical Works for 2019, the timing of the publication of express information "Gross Regional Product of the Republic of Kazakhstan for 2018" (annual on a quarterly basis) is April 30, 2019, the newsletter "Gross Regional Product of the Republic of Kazakhstan for 2018 "(annual on an annual basis) - August 22, 2019.

According to express information "Gross Regional Product of the Republic of Kazakhstan for 2018" (annual on a quarterly basis), the planned and actual dates coincide, there was no disruption of the publication period.

Date of actual publication of the bulletin "Gross Regional Product of the Republic of Kazakhstan for 2018" (annual on an annual basis) - September 27, 2019. The planned and actual dates do not coincide, the delay in publication is 35 days.

Table 2. Terms of publication

Publication	Plan	Fact	Difference
Gross regional product of the Republic of Kazakhstan for 2018 (annual on a quarterly basis) express information	April 30 2019	April 30 2019	No
Gross Regional Product of the Republic of Kazakhstan for 2018 (annual on an annual basis) bulletin	August 22 2019	September 27 2019	35 days

The reason for the postponement of the publication date: Service note No. 36-01 / 380-VN of July 30, 2019 and service note No. 36-2-17 / 287-VN of August 27, 2019 on the postponement of the publication date from August 22 to September 27, 2019 of the Bulletin "Gross Regional Product of the Republic of Kazakhstan for 2018" in connection with the calculations of GDP and the corresponding retrospective recalculation in accordance with the new Methodology for assessing the non-observed economy, 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 7, 2019 No. 4. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 8, 2019 No. 19215. From the 1st half of 2018, the calculation of the "Gross Regional Product of the Republic of Kazakhstan" has been made for 17 regions on the basis of the President's signing of the decree "On some issues of the administrative and territorial structure of the Republic of Kazakhstan" dated July 19, 2018 No. 702, on the classification of the city of Shymkent to the category of republican significance and renaming the South Kazakhstan region into the Turkestan region with the administrative center of the city of Turkestan.

Table 3. Gross Regional Product for 2017-2018

	2017	2018
Republic of Kazakhstan	54 378 857,8	61 819 536,4
Akmola	1 552 703,8	1 699 883,9
Aktobe	2 341 889,2	2 708 455,4
Almaty	2 472 041,8	2 795 117,0
Atyrau	5 947 653,8	7 818 812,1
Batys Kazakhstan	2 337 505,7	2 790 661,6
Zhambyl	1 350 661,6	1 532 118,6
Karaganda	4 284 362,6	4 734 402,0
Kostanai	1 850 281,0	2 069 286,2
Kyzylorda	1 430 980,1	1 647 016,4
Mangystau	3 296 136,8	3 803 063,3
Ontustik Kazakhstan	*3 187 724,4*	
Pavlodar	2 369 297,8	2 746 652,1
Soltustik Kazakhstan	1 113 959,4	1 212 007,8
Turkistan		*1 659 958,8*
Shygys Kazakhstan	3 174 812,8	3 589 332,8
Nur-Sultan city	5 775 621,1	6 705 993,3
Almaty city	11 893 225,9	12 132 649,7
Shymkent city		*2 174 125,4*

S.17 Comparability

S.17.1 Geographic comparability

Internationally comparable, as calculations are carried out in accordance with the 2008 SNA methodology.

S.17.1.1 Asymmetry on Mirror Stream Statistics - Coefficient / CC1
Unacceptably.

S.17.2 Length of comparable time series / CC2

Since 2010, GRP (quarterly and annual) is formed in accordance with the General Classifier of Economic Activities (OKED, GK RK 03-2007), harmonized with the international classifier NACE rev. 2.

S.18 Consistency

S.18.1 Consistency, external, cross

Calculations are carried out in accordance with the methodology of the System of National Accounts 2008 prepared by 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, which ensures the application uniform concepts, definitions, classifications and assessment methods. Also, when calculating net taxes on production and imports by region, the data of the Ministry of Finance of the Republic of Kazakhstan "Receipt of taxes and payments to the National Fund of the Republic of Kazakhstan by region for 2018" are used.

S.18.2 Internal consistency

Within the system of national accounts, there is consistency between national accounts data. However, full consistency is not always possible as a result of using different data sources. At the stage of GRP formation, the sectoral departments of the Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan provide data on gross output and IFO for such industries as: "Agriculture, forestry and fisheries", "Industry", "Construction ", "Wholesale and retail trade; repair of cars and motorcycles "," Transport and storage "," Information and communication "and others.

S.19 Load

GRP is formed by employees of the Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan in Excel. When forming the GRP indicator, the data of national statistical observations and administrative sources are used.

Duplication with other statistical work - no.

S.20 Revision of data

S.20.2 Data revision / A6
1) Data are revised in accordance with the terms specified in the Statistical Work Plan annually. Preliminary figures are published 4 months after the reporting period (T + 4 months). Reported data are published 8 months after the reporting period (T + 8 months). Reported data are final.
2) Revision in cases of changes in the methodology, classifier.

S.21 Processing of statistical data S.21.1

Input data

The initial data for the formation of GRP are: industry

statistics data:

- gross output and IFO of goods and services;

- labor report (actual number of employees, payroll of employees, average monthly nominal wage of one employee, employed population by type of economic activity by region);
- price indices;
- the total area of commissioned residential buildings;
- report on the financial and economic activities of the enterprise (1-PF), small business activity report (2-MP);
- other data.

departmental and administrative data:
- receipts of taxes and payments to the National Fund of the Republic of Kazakhstan in the context of regions (Ministry of Finance of the Republic of Kazakhstan).

S.21.2 Inspection frequency
year
S.21.3 Method (method) of collecting primary statistical data

The results of national statistical observations were received in the form of an Excel table from the sectoral departments of statistics. Administrative data was obtained in the form of an Excel spreadsheet from the official website of the source.

S.21.4 Reliability of primary statistical data

The analysis of data obtained from sectoral departments of statistics and administrative sources is carried out. During the verification process, the results obtained are compared with the previous period.

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

Continue work to ensure the quality of statistical data.