**ROADMAP**
**for the development of state statistics and the national data ecosystem for 2023-2025**

**Astana, 2024**

| No. | Name of the event | Responsible executor (co-executor) | Form of completion | Period of execution | Execution indicators | Official responsible for control of the state body/organization |
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| **Direction 1. Institutional and organizational transformations** | | | | | | |
| **1.1** | **Improving the legal and methodological framework** | | | | | |
| 1.1.1 | Introduction of amendments and additions to some legislative acts of the Republic of Kazakhstan on the issues of state control and statistics, improving the system of protecting the population, data management, registration of legal entities and unnecessary legislative regulation (hereinafter referred to as the Law) | ASPR | Law | 31.07.2024 | Law | Deputy Chairman of the ASPR, Tuleuov O.A. |
| 1.1.2 | Introduction of amendments and additions to the ASPR Regulations, including the issues of vesting competence to determine the quality of administrative data | ASPR | Presidential Decree | within two months after the adoption of the Law | Regulation | Deputy Chairman of the ASPR, Tuleuov O.A. |
| 1.1.3 | Elaboration of new and amendments to existing regulationsfor the purpose of implementing the Law | BNS of the ASPR | NLA | within two months after the adoption of the Law | NLA | Head of the BNS of the ASPR, Turlubaev M.K. |
| 1.1.3.1 | Formation and approval of the Statistical Work Plan for three calendar years | BNS of the ASPR | Order of the Head of the BNS of the ASPR | 01.07.2025 | Statistical work plan | Head of the BNS of the ASPR, Turlubaev M.K. |
| **1.2** | **Assessing the national statistical system for compliance with international standards and joining the OECD's Committee on Statistics and Statistical Policy** | | | | | |
| 1.2.1 | Expert support of the ongoing reform of the national statistical | BNS of the ASPR | Report with recommendations from | 01.11.2023 | Report | Head of the BNS of the ASPR, |

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| | system by UNECE as part of the 2023 Global Assessment | | international experts | | | Turlubaev M.K. |
| 1.2.2 | Implementation of recommendations of the Global Assessment of the National Statistical System of Kazakhstan for 2023-2025 | BNS of the ASPR | Information to ASPR | 31.12.2025 | Report | Head of the BNS of the ASPR, Turlubaev M.K. |
| 1.2.3 | Joining the OECD'sCommittee on Statistics and Statistical Policy (hereinafter – CSSP)following the completion of a three-year Peer review of the national statistical system by the OECD | BNS of the ASPR | Report on the Review of the National Statistical System of Kazakhstan | 2023-2025 | Assessment of Kazakhstan's compliance with OECD standards in the field of statistics | Head of the BNS of the ASPR,Turlubaev M.K. |
| 1.2.4 | Joining the OECD Recommendation on Good Statistical Practices | BNS of the ASPR | Letter from the CSSP to accede to the OECD Recommendation on Good Statistical Practices | 2024-2025 | Plan for implementation of 12 recommendations in the field of statistics | Head of the BNS of the ASPR, Turlubaev M.K |
| **1.3** | **Ensuring the quality of primary statistical data collection** | | | | | |
| 1.3.1 | Transition from traditional paper survey of respondents(households and enterprises) to a computerized data collection system using digital solutions (CAPI, web surveys, GPS tracking, mobile application) | BNS of the ASPR | Demonstration protocol | 31.12.2024 | Data collection via CAPI, mobile application | Head of the BNS of the ASPR,Turlubaev M.K. |
| 1.3.2 | Restarting the Respondent's Cabinet | BNS of the ASPR | Demonstration protocol | 31.12.2025 | Updated design of the Respondent's Cabinet | Head of the BNS of the ASPR, |

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| | | | | | | Turlubaev M.K. |
| 1.3.3 | Implementation of automated reports from accounting systems | BNS of the ASPR | Demonstration protocol | 31.12.2025 | Integration service | Head of the BNS of the ASPR,Turlubaev M.K. |
| 1.3.4 | Unification of methodological approaches in the formation of administrative indicators: *-formation of a unified directory of administrative indicators;* *- carrying out an analysis of the availability of forms and methods for calculating administrative indicators.* | BNS of the ASPR, CGB, LEB | Order of the head of the BNS of the ASPR | 31.12.2024 | Unified Directory of Administrative Indicators | Deputy Head of the BNS of the ASPR, Shauenova A.S. |
| **Direction 2. Active use of administrative and alternative sources** | | | | | | |
| **2.1** | **Development of digital statistical registers** | | | | | |
| 2.1.1 | Implementation of digital statistical registers based on the administrative data in order to reduce the reporting burden on respondents and increase the reliability of the generated statistical information: *- analysis of the GDB and other data sources;* *- development of digital statistical registers* | BNS of the ASPR | Demonstration protocol | 2023-2025 | Digital statistical registers | Head of the BNS of the ASPR,Turlubaev M.K. |
| 2.1.2 | Modernization of the «Taldau» information and analytical system | BNS of the ASPR | Demonstration protocol | 31.12.2025 | Updated information and analytical system "Taldau" | Head of the BNS of the ASPR,Turlubaev M.K. |

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| 2.1.3 | Server infrastructure modernizationwithin the framework of the implementation of the IIS "e-Statistics 2.0" project: *- server equipment;* *- storage systems;* *- provision of necessary licensed software for databases* | BNS of the ASPR | Server infrastructure modernization | 31.12.2023 | Server equipment, data storage system | Head of the BNS of the ASPR,Turlubaev M.K. |
| 2.1.4 | Integrationof IIS «e-Statistics» with alternative sources: *-data from mobile operators;* *- data from space monitoring, remote sensing of the earth;* *-data from internet platforms (aggregators/marketplaces)* | BNS of the ASPR | Alternative Sources Database | 31.12.2025 | Data from alternative sources | Head of the BNS of the ASPR,Turlubaev M.K. |
| 2.1.5 | Formation of statistical indicators based onthealternative sources | BNS of the ASPR | Transition to alternative sources in statistical production | 31.12.2025 | Analytical cases | Head of the BNS of the ASPR,Turlubaev M.K. |
| 2.1.6 | Development of the digital service "National Reference Information"(NSI) and its further support | BNS of the ASPR, MDDIAI | Demonstration protocol | 31.10.2025 | Digital service NSI | Head of the BNS of the ASPR,Turlubaev M.K. |
| 2.1.7 | Ensuring information security: *-providing vulnerability scanners;* *- agreement with the ISC MDDIAI for passing the IS compliance test, taking into account changes in the target* | BNS of the ASPR | Signing the agreement with RSE ICC | 31.12.2024 | ISOC Certificate | Head of the BNS of the ASPR,Turlubaev M.K. |

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| | *architecture;*<br>*- passing the test for compliance with information security requirements, taking into account changes in the target architecture;*<br>*-certification for obtaining ISOC for the statistical industry* | | | | | |
| 2.1.8 | Preparation and conductingthe national agricultural census in the Republic of Kazakhstan, including conducting a pilot in 2024 | BNS of the ASPR | Pilot Census Report | 31.12.2025 | Results of the pilot census | Head of the BNS of theASPR,Turlubaev M.K. |
| 2.1.9 | Development of the IIS "e-Statistics", taking into account the conduct of the national agricultural census in 2025 and the transition to administrative data in the formation of official statistical information | BNS of the ASPR | Demonstration protocol | 2024-2025 | Modernized information system | Head of the BNS of the ASPR, Turlubaev M.K. |
| 2.1.10 | Annual supportof IIS "e-Statistics" in order to ensure uninterrupted generation of statistical information | BNS of the ASPR, RSE ICC | Certificate of completion | 2023-2025 | Optimization of the existing modules | Head of the BNS of the ASPR,Turlubaev M.K. |
| **2.2** | **Ensuring the quality of data from administrative sources** | | | | | |
| 2.2.1 | Implementation of an institution of data controllers with a centralized modelunder the coordination of the authorized body in the field of state | BNS of the ASPR | Hiring data controllers for government quality control of administrative databases | 2023-2025 | Institute of Data Controllers | Head of the BNS of the ASPR,Turlubaev M.K. |

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| | statistics | | | | | |
| 2.2.2 | Development of the Rules for assessing the quality of administrative dataand the mechanism of state control | BNS of the ASPR | Order of the head of the BNS of the ASPR | 31.03.2024 | Rules for assessing the quality of administrative data | Head of the BNS of the ASPR,Turlubaev M.K. |
| 2.2.3 | Carrying out quality checks of the data provided from information systems of government agencies | BNS of the ASPR | Conclusions on state control | permanently from 2023 | Result of state control | Deputy Head of the BNS of the ASPR, Shauenova A.S. |
| **Direction 3: Strengthening the analytical capacity of all parties and expanding access to data** | | | | | | |
| **3.1** | **Training and development of competencies of civil servants** | | | | | |
| 3.1.1 | Training and development of competencies of civil servants: *-development of our own Dataliteracy program (development and production of educational material on an educational platform); -training Bureau and Computing Center employees in descriptive data analysis based on BI tools and predictive analytics; -implementation of the DataLiteracy training program as a mandatory course for newly hired civil servants* | BNS of the ASPR | Training of civil servants on a regular basis | 31.12.2023 | Employee certification | Head of the BNS of the ASPR,Turlubaev M.K. |
| 3.1.2 | Formation of research competencies and technological practices: | BNS of the ASPR | Promoting a culture of data management, increasing the | 2023-2024 | Educational module | Head of the BNS of the ASPR,Turlubaev M.K. |

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| | *- holding the annual QazDatathon competition;*<br>*- maintaining a list of topics for joint research with higher educational institutions;*<br>*-involvement of Bureau employees in research work;*<br>*-educational module for universities and creation of a pool of teachers from the Bureau employees* | | availability of statistical data in the scientific community | | | |
| 3.1.3 | Implementation of a joint project with the Kazakhstan branch of Moscow State University named after M.V. Lomonosov on the creation of the master's program "Statistics and Data Management in the Modern Economy" | BNS of the ASPR | Master Program | 31.12.2024 | Bureau staff training | Head of the BNS of the ASPR, Turlubaev M.K. |
| **3.2** | **Providing access to microdata for research and analytical solutions** | | | | | |
| 3.2.1 | Implementation of an expanded list of analytical informationto unlock the potential of data and improve the quality of decisions made | BNS of the ASPR | Analytical information | 2023-2025 | Information and analytical products | Head of the BNS of the ASPR,Turlubaev M.K. |
| 3.2.2 | Launch of a virtual researcher account to provide access to de-identified microdatafor use in scientific and scientific-technical activities | BNS of the ASPR | Researcher's virtual office (online access) | 2024-2025 | Researcher's virtual office (online platform for working with de-identified microdata, | Head of the BNS of ASPR,Turlubaev M.K. |

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| | | | | | without the ability to copy or download) | |
| 3.2.3 | Launch of the researcher's cabinetto provide de-identified microdata for use in scientific and scientific-technical activities | BNS of the ASPR | Researcher's office (offline access) | 31.12.2024 | Researcher's office | Head of the BNS of the ASPR,Turlubaev M.K. |
| 3.2.4 | Implementation of AI tools for data processing and analysis | BNS of the ASPR, RSE ICC | Demonstration protocol | 31.12.2025 | AI Tools | Head of the BNS of the ASPR,Turlubaev M.K. |
| **3.3** | **Creating conditions for data monetization** | | | | | |
| 3.3.1 | Register of Data Product Providers | BNS of the ASPR | Order of the head of the BNS of the ASPR | 31.12.2025 | Register of Data Product Providers | Head of the BNS of the ASPR, Turlubaev M.K. |
| 3.3.2 | Creation of regulatory requirements for launching a Data Exchange (DataMart - online platform) | RSE ICC | Draft legal acts | 31.12.2025 | Creation of a regulatory framework for the implementation of regulatory requirements | Head of the BNS of the ASPR,Turlubaev M.K. |

Note: Explanation of abbreviations:

CAPI (Computer Assisted Personal Interviewing) - computerized system of individual survey

GPS (Global Positioning System) - global positioning system

ASPR - Agency for Strategic Planning and Reforms of the Republic of Kazakhstan

BNS ASPR - Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan

UNECE - United Nations Economic Commission for Europe

IS - Information Security

RSE ICC - Republican State Enterprise on the right of economic management "Information and Computing Center of the Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan"

ISC MDDIAI - Information Security Committee of the Ministry of Digital Development, Innovations and Aerospace Industry of the Republic of Kazakhstan
LEB - Local Executive Bodies
MDDIAI - Ministry of Digital Development, Innovations and Aerospace Industry of the Republic of Kazakhstan
RLA – Regulatory legal acts
OISC - Information Security Operations Center
OECD - Organization for Economic Cooperation and Development
Software - Software
RB - Republican budget
CGB - Central Government Agencies