Statistical confidentiality assurance framework in State Statistics Service of Ukraine

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### Statistical confidentiality in the business process model (GSBPM)

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- **Confidential statistical data**
- **Statistical confidentiality**
The object and the actors of statistical confidentiality

- Object of Statistical confidentiality – confidential statistical information.
- Actors of statistical confidentiality - are the participants of the statistical production and are divided into internal and external in relations to government statistics.

  Internal actors - government statistics, as well as employees of state statistics.

  External actors are divided into two parts: source of information and users of information.
The internal and external actors of statistical confidentiality

**External actors:** source of statistical information (respondent, administrative office and etc)

**Internal actors:** immediate producers of statistical information (government statistics, as well as employees of state statistics)

**External actors:** users of statistical information (people, legal units, government bodies, researches, international organization and etc)
Typology and a list of confidential information

External actors
(source of information)

Respondents
statistical reports

Government bodies
administrative data

Other sources
Information

Internal actors
government statistical body
collection
processing
analyze
dissemination
evaluation

External actors
(users of information)
government bodies
publications, tables, aggregations, ....

researchers
sets of data, data bases, ....

international bodies
tables, variables, ....

other
other information

personal, anonymous, aggregated, ....

personal, aggregated, ....

personal, data bases, aggregated, personal, aggregated, publications, ....

quality indicators, tables, ....
Statistical confidentiality assurance framework

Data protection during processing in the information and telecommunication systems
- methods;
- rules;
- procedures;

Obligations of employees of state statistics on the handling and confidentiality
- methods;
- rules;
- procedures;

Legislative and regulatory framework

Disclosure control during dissemination

Protection aggregated (macro) data
- methods;
- rules;
- procedures;

Protection micro data
- methods;
- rules;
- procedures;

Obligations of employees of state statistics on the handling and confidentiality
- methods;
- rules;
- procedures;
Legislative and regulatory framework

The legislative and regulatory framework for ensuring statistical confidentiality must be harmonized with international norms, standards, regulations and guidelines, and provide:

- public confidence in the existence of legal factors that determine that confidential information is protected by law;
- regulating relationships (information exchange) between the external and internal actors through specific procedures;
- settlement of issues concerning the use of confidential information with internal and external actors;
- taking of appropriate measures to prevent violations of internal and external actors and bring them to justice.
Data protection during processing in the information and telecommunication systems

Statistical confidentiality of information in telecommunication systems during its collection, processing, analysis, dissemination and evaluation should be provided by constructing complex information security systems in the relevant information and telecommunication systems of the state statistics. Each system must ensure the integrity of information protection from unauthorized access to it, and in special cases of special protection from the impact of the means of information processing. These complex information protection system must pass the state examination and receive appropriate positive expert opinion on its results.
Obligations of employees

Ensuring statistical confidentiality by employees of state statistics, should be:

- carried out through the obligations of handling the confidential information that became known during the performance of their tasks;

- described flows of exchange information in statistical production processes inside the state statistics to determine the rights of employees access to confidential information;

- improved by stuff teaching on ensuring statistical confidentiality;

- conducting explanatory work with external actors concerning statistical confidentiality;

- implementation of best international practices in state statistics.
Disclosure control

Disclosure control of confidential information in the dissemination of statistical information, including aggregated (macro) and micro data is performed by using the methods (software), rules and procedures which prevent or reduce the risk of respondent identification and / or primary data.
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