



# **Experience with preparation of quality self-assessments of statistical observation in Ukraine**

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**by the results of material**

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## Legal base

Self-assessments of state statistical surveys conducted by state statistics for 2012 was carried out:

- in accordance with the principles of public statistics of Ukraine, approved by the Order of the State Statistics Committee of Ukraine of 14.06.2010 № 216, harmonized with the European Statistics Code of Activities adopted by the Committee of statistical programs February 24, 2005.
- the provisions of the State Statistics Service of Ukraine, approved by the Decree of the President of Ukraine of 06.04.2011 № 396/2011;
- on the plan of state statistical observations for 2012, approved by the Cabinet of Ministers of Ukraine of 09.11.2011 № 1113-p;
- according to the order of the State Statistics Service of Ukraine of 07.07.2012 № 284.



## The main objective

The main objective of self-assessment was to obtain basic information about the quality of carried out by State Statistics observation that in the future, according to the priorities of the Strategy of state statistics in 2017, rely on a basis consistent monitoring with their improvement and will be used in the development of documentation for the preparation of standard reports on the quality of statistical data and will be used in the current work improvement of the organization of state statistical observations in general



# Instrument

For the self-assessment it was developed "self-assessment questionnaire for the head of state statistical observation (development program of self-assessment (DPS)). This document is an adapted version of the questionnaire DESAP (Development of a Self Assessment Programme), which is used in the European Statistical System (ESS) as a tool for managers of statistical surveys, which should serve as supports for the assessment of quality of statistical data and consideration of its improvement



# Instrument

DPS structured questionnaire targeted statistical production process. With this in mind, there are 7 basic processes of statistical observation, namely:

Process I: The decision to conduct a statistical observation

Process II: statistical monitoring plan

Process III: Data collection

Process IV: Input and data processing

Process V: Data analysis and quality results

Process VI: Documentation and dissemination

Process VII: The cycle of improvement

*Each of these statistical production process is divided into elements, whose total number is 25*



# Organization

- It was developed the groups which consisted of the people who works on the functional divisions (coordinating and planning, methodology, IT division, distribution of the statistical product and etc).
- The groups where responsible for the certain process/elements of statistical production processes (consultation in the filling of questionnaire, conclusion of the function of the processes in each statistical observation and etc).



# Organization

- The conclusions on the functioning of processes and process elements of statistical observation, together with proposals for improvement of each state statistical observations for which the self-assessment was carried out, was the subject to consideration and discussion on the Inventory Commission of state statistical observations in 2014;
- The development of the electronic version of the questionnaire DPS, gathering and processing of information on the results of self-assessment was conducted using the software SPSS Data Entry Builder 3.0 and Base and Tables



Total results of self-assessment heads of state statistical observations  
quality of statistical data in the ESS quality components

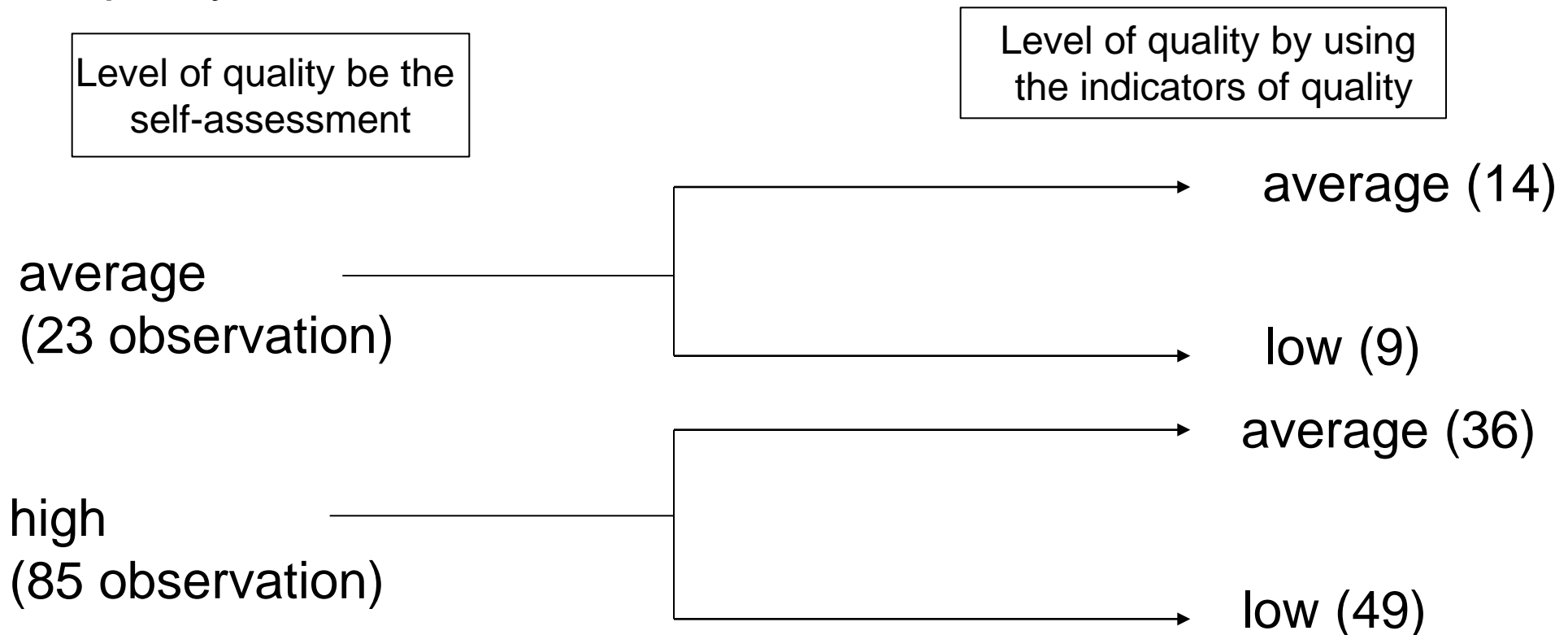
Quality components	Average self-evaluation data quality parameters
Compliance / Relevance;	4,7
Accuracy / Reliability;	3,9
Timeliness and Punctuality;	4,2
Accessibility and Clarity / Clarity;	4,2
Consistency / Comparability and Consistency / Comparability.	4,2
Total	4,2





# Results

For the 108 observation was modeled a combination by self-assessment data and the level of the using standard indicators of quality in the observation:





# Results

- According to the results of self-assessment and discussion on the Inventory Commission of state statistical observations for each observation has developed a list of tasks, according to which by the next year the head of the observation together with authorized employees responsible for the operation of the process (process element), will had been done work to improve the quality and effectiveness of those components of process observation that need improvement
- by each year we do some more self-assessments for the new observation and for the observation with period more than year
- by the 2017 we are going to do the new round of self-assessment



# Future plans

- in future to enhance the validity of self-assessment of the heads of state statistical observations through the implementation of statistical practice reporting of quality data, which is provided by the strategy of state statistics in 2017;
- increase the objectivity of evaluations of the quality of data will facilitate on an independent audit involving internal and / or external experts on the organization and conduction of state statistical observations.



*Thank you for your attention!*