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Topic (i): Changes in statistical processes

## **INTEGRATION OF INFORMATION SYSTEMS IN COMPONENT BY COMPONENT DEVELOPMENT OF ISIS – THE BNSI PRACTICE**

**Invited Paper prepared by Svetlana Ganeva et al., National Statistical Institute of Bulgaria**

### **Summary**

1. The President of the Bulgarian National Statistical Institute (BNSI) has approved a strategy for the development of an Integrated Statistical Information System (ISIS). The limited possibilities for the complex development of the ISIS explain the application of a component-by-component approach in the work – depending on available financial resources.
2. The paper will present:
  - (a) The developed components and their place in the ISIS architecture - the developed information systems Register of the Statistical units; Information systems on “Statistical classifications”, “Planning and design of the statistical survey”, and “Demography” will be presented highlighting their general purposes and functionalities.
  - (b) The integration problems, principles and practical solution in the development stage:
    - How the BNSI experts assess the advantages and disadvantages of this approach;
    - What are the implemented principles in the practical work for integration of the separate information systems – a definition of the limitation between information systems, technological principles concerning common metadata models, common interfaces, exchange between information systems using common functionalities and information services;

- The practical solutions implemented in the BNSI in the components development process – examples from past work will be presented;
- How the BNSI experts imagine the changes in future work using the developed information systems – a brief analysis of the foreseen changes.

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