UNITED NATIONS STATISTICAL COMMISSION and ECONOMIC COMMISSION FOR EUROPE CONFERENCE OF EUROPEAN STATISTICIANS	**EUROPEAN COMMISSION STATISTICAL OFFICE OF THE EUROPEAN COMMUNITIES (EUROSTAT)**

**ORGANIZATION FOR ECONOMIC COOPERATION
AND DEVELOPMENT (OECD)
STATISTICS DIRECTORATE**

Joint UNECE/Eurostat/OECD Seminar on the Management of Statistical Information Systems (MSIS)
Sofia, Bulgaria, 21-23 June 2006

Special Session: Presentations of developing information systems in the Bulgarian National Statistical Institute

PRESENTATION OF THE INFORMATION SYSTEM "REGISTER OF STATISTICAL UNITS"

Invited Paper prepared by Elka Hristova, National Statistical Institute of Bulgaria

Summary

General goals

1.   The purpose of the development of an information system "Register of Statistical Units" (RSU) is to provide a complex software product comprising tools for the creation, maintenance and use as a fundamental system of the infrastructural component "Statistical Registers" of the Bulgarian National Statistical Institute's Integrated Statistical Information System.

2.   The Register is being constructed in accordance mainly with the recommendations in the following European Union (EU) statements, concerning business registers for statistical purposes:

- Council Regulation (EEC) No 2186/93 of 22 July 1993 on Community coordination in drawing up business registers for statistical purposes
- Council Regulation (EEC) No 696/93 of 15 March 1993 on the statistical units for the observation and analysis of the production system in the Community

GE.06-

3.   The information units in RSU are administrative and statistical. The administrative units are units maintained on the basis of data from the administrative sources. These units have an information and subsidiary function and they are used to determine the statistical units in the Register.

- Administrative units:
    o Legal Unit (LgU);
    o Local Legal Unit (LLgU).
- Statistical units:
    o Enterprise (Ent);
    o Local Unit (LU);
    o Kind of Activity Unit (KAU);
    o Local Kind of Activity Unit (LKAU);
    o Enterprise Group (EG).

System architecture

4.   The Register of statistical units is based on multilayer component architecture to provide flexibility and multiple uses of software components. RSU is constructed according to the "web server" technology; it is based on the Central Relational Database (CRDB) in the NSI. There is decentralized access to the system. The access to the information in CRDB is made through Intranet and the system provides efficient access protection.

Users

5.   Depending on the records of the employees in the NSI and the activities provided by the RSU as a system, the following types of user groups are defined[1]:
- Security Administrator;
- RSU Data Administrator;
- Division "Business Registers" expert, in short "BR Expert";
- Division "Business Registers" employee, in short "BR Employee";
- NSI Subject Matter Division Statistical Expert, in short "NSI Statistical Expert";
- NSI Subject Matter Division Statistician, in short "NSI Statistician";
- Regional statistical offices Statistical Expert.

Business processes

6.   The system uses a common mechanism for data recording, based on standard input (logical) integrity for the system, presented in XML format.

---

[1] These are user names summarizing their functions and rights when using RSU, but not an administrative position in NSI.

7.   The Register of statistical units is a system comprised of five modules; each of them presents a general business process on the highest level:

- External data processing (from the administrative sources);
- Updating units in RSU;
- Maintaining statistical observation;
- Making inquiries;
- RSU administration.

Realization

8.   According to the schedule, the implementation of the System should be finished by the end of June 2006.