

OPERATION OF AUTOMATED INFORMATION SYSTEM OF GEODESY, CARTOGRAPHY AND CADASTRE  
AND CHANGE IN USE OF MAP WORKS IN SLOVAKIA

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Development of computerized systems and connected programme products as well as the contemporary changes of social life and economics have a great influence to making, working up and edition of state map works of large, middle and small scales in Slovakia.

At the making and working up of the State Information Fund - The State Map Work of Slovakia - in digital form - we start with a supposition that there in the world problems of working up of digital informations on ground localization, elements and phenomenons have already been solved in technical as well as software areas.

And that's why we concentrate to working up and realization of a system for reaching and creation of digital data and their actualization. In according to conditions of the Geodesy, Cartography and Cadastre Authority of the Slovak Republic areas of Automated Information Systems of Geodesy, Cartography and Cadastre and operation of selected areas of the system have been defined on regional and central levels.

Since 1972 content of large scale maps in digital form has been created of direct measurement as well as by digitalization. Now digitalization of the maps is made by vectorization of raster picture. The raster picture is created from scanning. Mostly originals of cadastral maps are scanned.

Basement for Geographic Information System is created especially by raster picture from scanning of printed basis of "The Elementary Map in 1:10 000" scale. Now also vectorization of certain raster pictures is made from selected areas.

There is also created raster picture from printed basis of "The Elementary Map in 1:50 000" scale and its transformation and following vectorization of data files of all layers of the Slovak Republic area.

Social and economical changes after 1989 have also reflected in reorganization of management, working up and edition of state map works in middle and small scales, in new conditions, aims and forms of their use and distribution.

Editor of the state map works is the Geodesy, Cartography and Cadastre Authority of the Slovak Republic. Their management, working up, distribution and use in analogical as well as in digital forms have been supplied since 1995 by Geodetic and Cartographic Institute Bratislava, the only one authority entrusted by the editor. Copies of the maps are distributed to shops and are available to general public.

Use of documentation material and copies of the state map works in analogical as well as digital forms for creation or edition of other cartographic works is supplied by Geodetic and Cartographic Institute Bratislava in according to an agreement with a user and for refund.