

THE PILOT PRODUCTION OF TOPOGRAPHIC-CADASTRAL MAPS AND ITS APPLICATIONS IN KOREA

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Key words: NGIS, Thematic map, Topographic-cadastral map, Administrative boundary map, Data model.

ABSTRACT

The Government confirmed the action planning of digital mapping project for major thematic maps based on “Revised Plan for The Development of the National Geographic Information System” (NGIS). Mapping for major thematic maps was begun in 1998 when digital mapping project for topographic maps finished due to the delay of the action planning, and will selectively have produced the essential digital thematic maps according to the frequency of usage by the year of 2000.

The models of topographic-cadastral maps and administrative boundary maps around Suwon were produced in accordance with the presented draft. We presented specification for production of the most appropriate topographic-cadastral maps and administrative boundary maps through the analysis of the process of production, discussion and error check, and correction of the produced topographic-cadastral maps and administrative boundary maps. And we could make it easier to develop digital mapping project of topographic-cadastral maps and administrative boundary maps effectively by presenting the strategy for data input and maintenance, the cost model for carrying out the digital thematic map production, digital topographic maps, and the supplement of data model and data format.

Topographic-cadastral maps has a wide range of usage but a lot of difficulties in the process of production and map update under use. So it seems that the study on users, university, private sector and municipal self-government must follow for promoting the use of topographic-cadastral maps.

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