

Renewed Topographic Data System Integrates to Cadastral Data Management in Finland

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ABSTRACT

In 1992 the NLS of Finland started data collection of the National Topographic Database (TDB) in scale 1:10000. The production has been carried out in all 13 regional District Survey Offices and was mainly completed in 2000.

The new cadastral data system JAKO was introduced in 1998. JAKO contains integrated tools for cadastre and cadastre map maintenance, conducting surveys and information service. Initially, JAKO was lacking sufficient tools for utilising topographic information, since TDB was residing on another system platform.

In 2000 TDB was migrated under the same unified JAKO system architecture. Consequently, the data management was modernized, data quality and quality management improved and work processes re-engineered. Moreover, the aerial imagery in digital form was made the key source of topographic information used - either as background orthophotos or on a stereo workstation.

The unified architecture enables new opportunities for transparent use of topographic and cadastral information and thus improves total efficiency. Smooth availability of TDB brings the latest topographic information to cadastral surveys and customer service. New intranet based information services were also launched, which upgraded and harmonized the customer service in each District Survey Office.

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