USER INTERFACE AND INTERNET APPROACH – IMPORTANT COMPONENTS IN THE SWEDISH CADASTRAL SYSTEM

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INTRODUCTION

The task of the National Land Survey of Sweden (NLS) is to contribute to an efficient and sustainable use of Sweden's real estate, land and water.

The establishing and managing of the Swedish Integrated Cadastral System in Sweden has been a major task for NLS for about 30 years. The system has been in operation for about 25 years and is subject to continuous development.

The Digital Cadastral Index Map is now also included to the system.

The system also provides integrated information for multi-purpose use in the whole Swedish society. The information is disseminated on-line, direct to the users by NLS or as value added services by information agents.

Integrated information together with the national cadaster index map is accessible via Internet and available for more than 4 million citizens.

NATIONAL CADASTRAL INDEX MAP

The Cadastral Index Map is a part of the Real Property Register and gives the geographical representation of the property. The responsibility for building and maintaining the digital map is on shared responsibility bases between the national government authorities and 39 municipal authorities (out of totally 290 municipalities).

Last year an agreement between National Land Survey and these 39 municipalities however was made concerning deeper co-operation. The main goal out of the agreement is to build a
National Cadastral Index Map (NDRK) covering the whole country.

NDRK shall:

– be the base for all geographic databases, which present property information
– be available for organisations and the public via Internet or via certain data format
– be stored in a system run by NLS
– be updated by the source of information
– handle objects with unique identifiers, which are joint with the Real Property Register
– receive and disseminate changes via an User Interface
– be completed before the end of year 2003

USER INTERFACE 2000

The User Interface 2000 (UI 2000) is developed in a project and composed as a concept for interchange of geographical information between first of all the National Land Survey and the Municipalities.

The UI 2000 consists of information models, descriptions of transferring mechanism and how they will be administrated and maintained. The interface is not a format or software but a series of technical principles, which can be used for different formats and different data systems.

UI 2000 consists besides models of information, of specified file format and an application for data transmission. These three parts are independent of each other and are possible to change and further develop separately.

INTERNET

NLS has launched new Internet service View and buy maps and detailed aerial photos of all of Sweden. It is an e-commerce site where visitors can view and buy aerial photos and maps and search for individual properties

www.lantmateriet.se provides two services especially designed for estate agents and banks, etc. These services are called 'FastighetsSök' [property search] and 'KartSök' [map search], and enable users to obtain information on the owners, tax value, addresses, etc. of a particular property by giving an address or clicking on a map

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