SHALOM – Management of Cadastre: Preliminary Results of Applications and Future Plans

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THE CADASTRAL PRODUCTION

Checking process:
- Correct reconstruction of parcels boundaries.
- Performing the computerized test of submitted work files.
- Work files are uploaded into the database of the national cadastral GIS.

Each year, some 1200 – 1600 mutation plans and some 200 new cadastral block maps are examined and finally confirmed under the full responsibility of SOI.
- SHALOM - a comprehensive, fully computerized system for management and control of the cadastral activity at the Survey of Israel.
The “SHALOM” system

“SHALOM”:
Management of Cadastre Processes

GIS Applications:
Quality Assurance; Querying; Viewing; Exporting

Cadastre Data Base

TECHNOLOGIES

uses DOCUMENTUM over ORACLE and is supported by ESRI software for viewing geo-information.
PRESENT STATUS

Assimilating the system 2008 – 2009:

- The experience gained in the pilot project in Haifa, gave a green light for the incorporation of the project in all cadastral units of the Survey of Israel;
- Routine use of the "SHALOM" system has began in 3 of five districts of SOI;
- Starting at 2010 all new tasks will be handled by the "SHALOM" system.
PRESENT STATUS (cont.)

Interfaces:
- Cadastral GIS
- National Geodetic Data base
- Private surveyors’ quality records
- Accounting system
- Archives

WHAT’S MORE TO BE DONE?
- Establishing the interfaces.
- Designing and developing of modules:
  - land settlement.
  - plan for documenting parcel borders.
  - data correction and updating.
  - projects concerning field surveys and enforcement of survey ordinances.
COOPERATION WITH PRIVATE SURVEYORS

- Full support of the licensed surveyors was experienced.
- The system allows digital file management of plans submitted in uniform manner.
- The "SHALOM" system will fulfill the expectations in supplying information on cadastral activities.

TECHNOLOGIES

- There is a need to build a secure connection between the Internet and the production systems.
- An electronic signature will permit the submission of "electronic" documents.
- The system will be completed as a true "paperless" system.
CONCLUSIONS (Intermediate)

➢ The goal of the SHALOM project is to create an organizational change by means of new standards and unified work methods.

➢ A uniform work procedure has been established which included the professional and management tasks involved.

➢ The system supports the efficiency of cadastral procedures through transparency to the users at all levels.

➢ The system permits to obtain information according to various characteristics.

➢ One of the principal advantages of the system is the Intranet / Internet based architecture.

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