REPUBLIC OF TURKEY
MINISTRY OF INTERIOR
GENERAL DIRECTORATE OF CIVIL REGISTRATION AND NATIONALITY

SPATIAL ADDRESS REGISTRATION SYSTEM PROJECT
PRESENTATION PLAN

Address Registration System

Spatial Address Registration System (MAKS) Project

MAKS Expansion Project
What is Address?

Any piece of earth or the geographical location of a building fulfilling a particular function.
Plays a big role for all public institutions, private companies and other domestic services, such as banking, postal services, etc.
### Province and State Centers

- **Country Name**: (Turkey)
- **Name of Province**: [Name]
- **Name of Country**: [Name]
- **Name of District**: [Name]
- **CSBM name and STN**: [Name]
- **External door number**: [Number]
- **Internal door number (if given)**: [Number]
- **Postal code**: [Code]

### Municipalities outside of province and state centers

- **Country Name**: (Turkey)
- **Name of Province**: [Name]
- **Name of Country**: [Name]
- **Name of District**: [Name]
- **CSBM name and STN**: [Name]
- **External door number**: [Number]
- **Internal door number (if given)**: [Number]
- **Postal code**: [Code]

### Villages

- **Country Name**: (Turkey)
- **Name of Province**: [Name]
- **Name of Country**: [Name]
- **Name of village**: [Name]
- **Responsible of the village (if given)**: [Name]
- **Street name (if given)**: [Name]
- **External door number**: [Number]
- **Internal door number (if given)**: [Number]
- **Postal code**: [Code]
Address Registration System

- Standardization of an address system
- Digitalization of the actual address information
- In order to share the information with institutions and foundations
When the address registration system goes live:

- Home-based counting of the population has been lifted,
- Provide more accurate information about the population statistics
Address Registration System

- Address data can be managed from one center according to the standards

- Voter data creation and implementation costs have been lifted
Address Registration System

- Health, education and public service data that are provided can be used effectively in terms of time and costs.
- Losses due to notifying of lack of address information can be prevented.
Why MAKS?

- Due to the fact that address data are managed textually;
  - Unverified data,
  - Inconsistency between the field and National Address Database,
It was found that there was no integration between existing address registration system and its own geographical system (GIS).

So that the responsible organization could fill in the data to their own account and to the UAVT.
With respect to the above information about the needs, geographical address registration system and environmental real estate and building permission project (MAKS), “data society strategy 2006-2010” has taken part in the action plan number 50.
Spatial Address Registration System

Analysis Works → MAKS Data Model → System Setup → Pilot Works
Competent Authorities System

Competent Authorities System (Metropolitan Municipality)

On-premise MAKS

Spatial Address Registration System

Presentation Layer

Application Layer

Non-Spatial Data Layer

Spatial Data Layer

Common Services

Security, Traceback, Fault Management, Identity Validation, Authorization
Geographical UAVT Integration Services Sharing Basis
MAKS Data Sharing Infrastructure

Spatial Address Registration System

ArcGIS API for Silverlight

ArcGIS REST API

Identity Registration System

Yetkili İdareler (Web Arayüzü)

Yetkili İdareler (Web Servisleri)

Web Interfaces

Web Interfaces

National Address Database Services

Domicile and Other Address Services

WMS Services

WFS Services
As of the year 2014 the geographical address registration system has been spread to 144 public geographical address registration systems and been applied

- Afyonkarahisar
- Gaziantep
- Elazığ
- Erzurum (Palandöken, Aziziye, Yakutiye)
- Yalova
On Dec 31, 2015 a contract has been signed by ASELSAN A.S. and the General Manager in the name of “geographical address registration system data creation and expansion project”.

The project is due to finish on Dec 31, 2018.
Spatial Address Registration System
Address Data Production

Via Web Interfaces
- Authorized organizations which have an active and efficient system but have spatial address data consistent with the data model of Spatial Address Registration System

Integrated with services provided centrally
- Authorized organizations which have Geographic Address Information System

via DHISS
- Integrated with services provided through DHISS

Using the Desktop Application provided via DHISS
- Authorized organizations which don’t have Geographic Address Information System

Authorized organizations which have Geographic Address Information System
Advantages of the Project

The costs that accompany projects which need data to be collected by field works will be greatly reduced.
Advantages of the Project

Maps of the property usage

Property usage map according to the base types.
Advantages of the Project

More efficient planning from the statistics obtained from the data.
Advantages of the Project

Density analysis

Additional floor analysis
Advantages of the Project

Plan according to the age groups
Advantages of the Project

- To keep the authorized organizations up-to-date with the geographical systems data and the integration and provide the UAVT with these information,

- Ability to share the UAVT location data with other institutions,
Advantages of the Project

- Authorized organizations have been provided with visual representation of information
- New data creation for the upcoming geographical projects can be built upon.
Thank you for your attention