

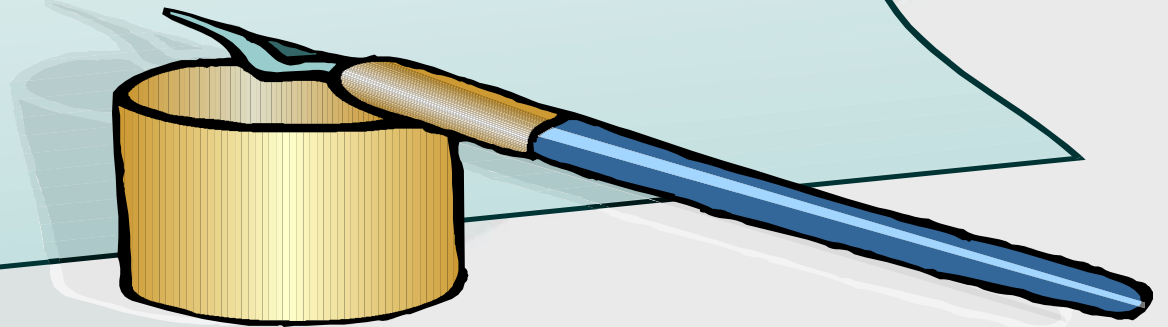
INTEGRATING GEOSPATIAL AND STATISTICAL INFORMATION

Agenda

- ❖ Vision
- ❖ Strategic Objectives
- ❖ Spatial Data Production
- ❖ GDB Components
- ❖ Tools & Technologies
- ❖ Architecture
- ❖ Map Navigation & Data Collection
- ❖ Dissemination

Vision

THE NCSI HAS TAKEN HIS
MAJESTY SULTAN QABOOS
VISION AND ENTHUSIASM IN
UTILIZING CUTTING EDGE
TECHNOLOGY IN GOVERNMENT
INSTITUTIONS TO HEART.





Strategic Objectives

Data Quality

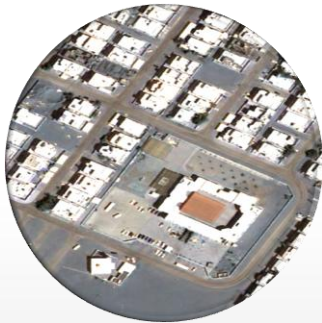
Consistency

Completeness

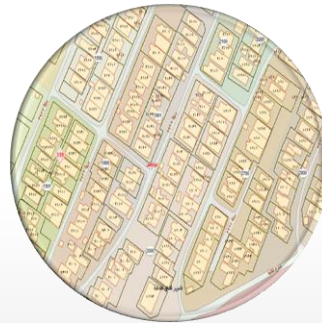
Time Capability

Field Control

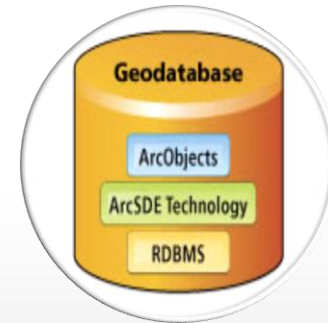
Spatial Data Production



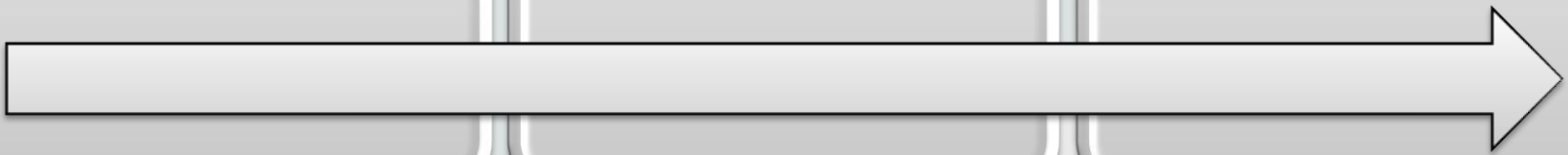
**Recent Satellite
Images (50cm)
covering all
populated
locality**



**Detailed Digital
Maps on a scale
of 1:5000**



GDB

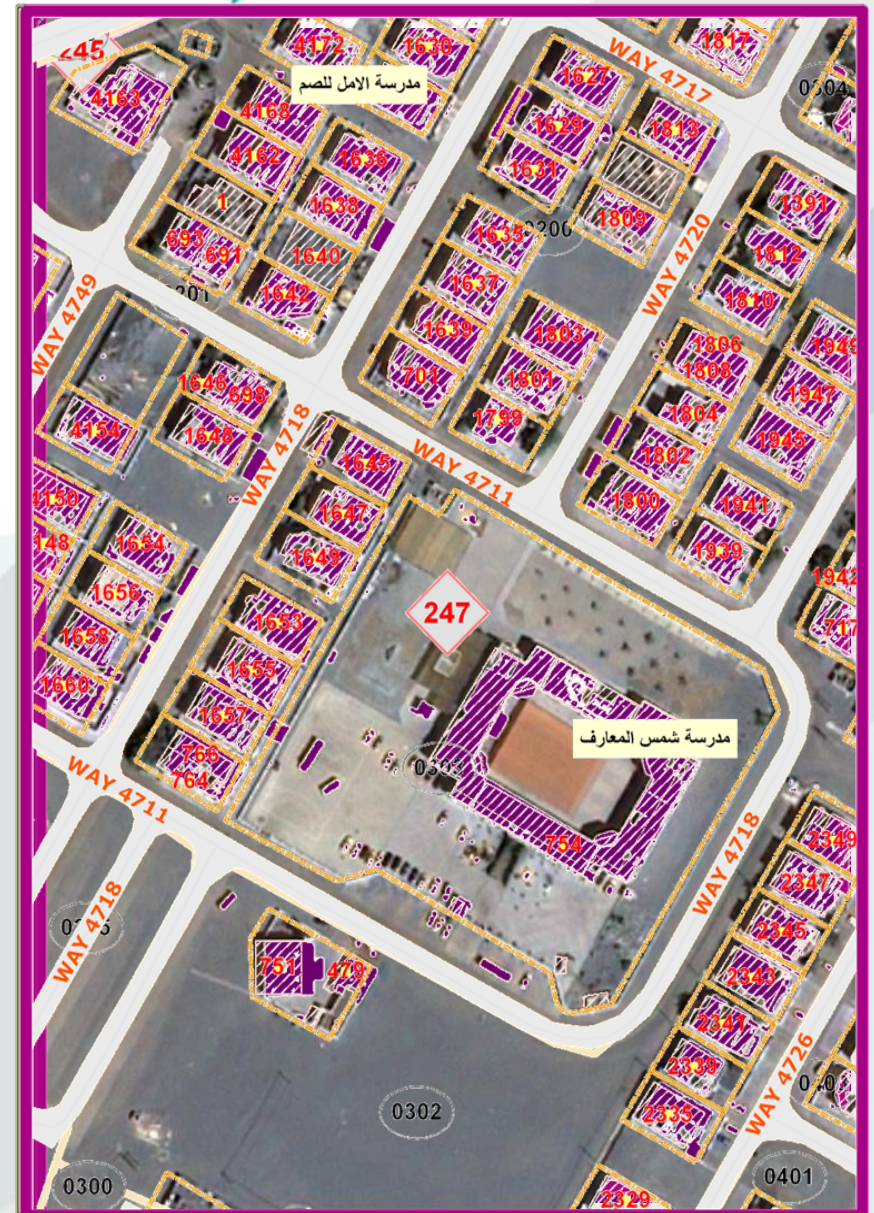


GDB Components

Survey Divisions:

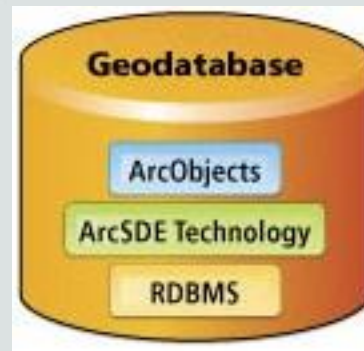
- Governorates
 - Wilayat
 - District Areas
 - Municipality Blocks

- Enumeration Area
 - Survey Blocks
 - Building
 - Units

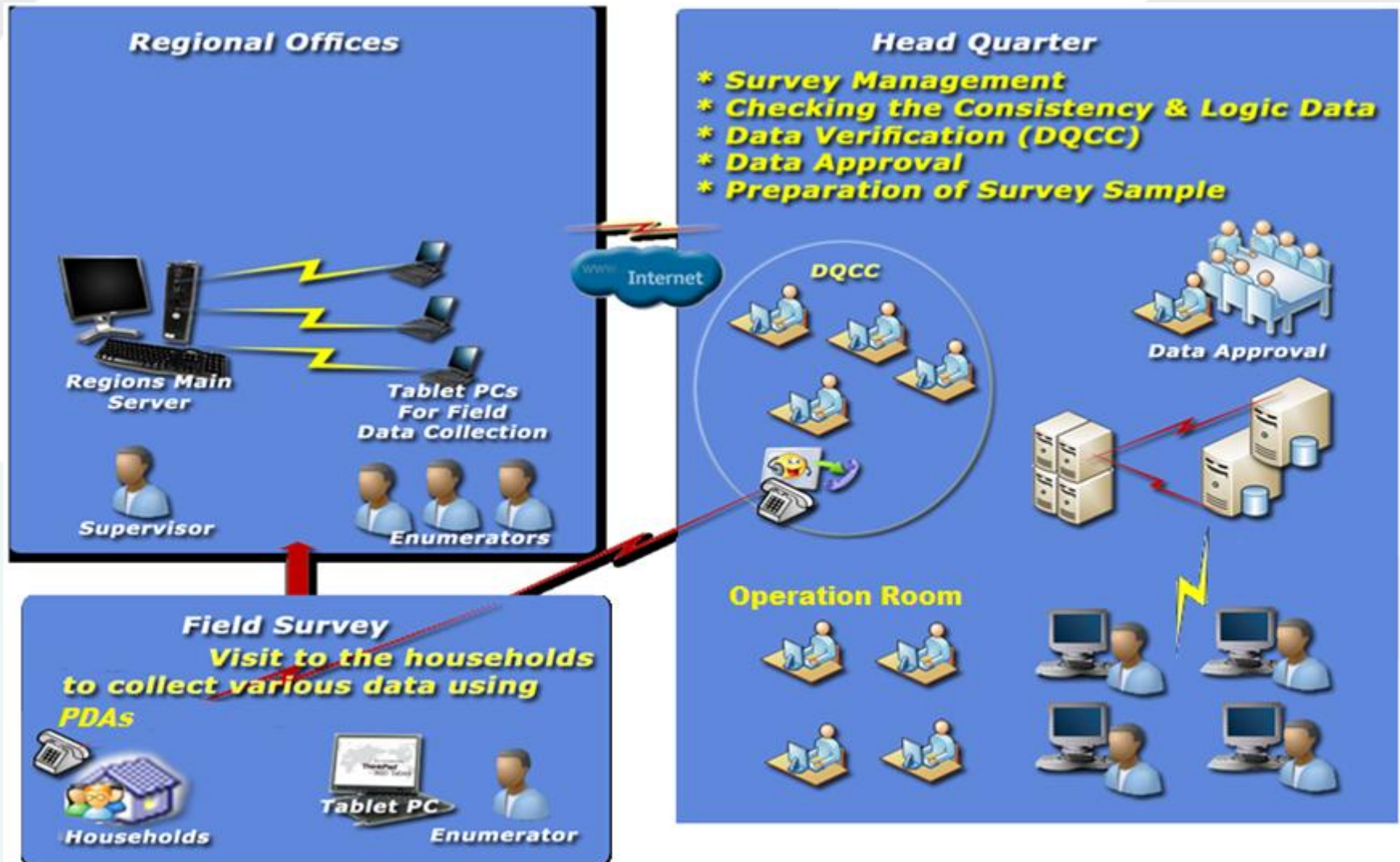


Tools & Technologies

- Mobile Handheld Devices
- ESRI Framework
 - ArcGIS Server
 - ArcPad
- Oracle Database



Architecture



Map Navigation & Data Collection

- 👍 Easier field navigation
- 👍 Differentiate buildings according to status
- 👍 Pinpointing enumerators' exact point location on the map
- 👍 Electronically fence enumerators in their designated work areas



Dissemination



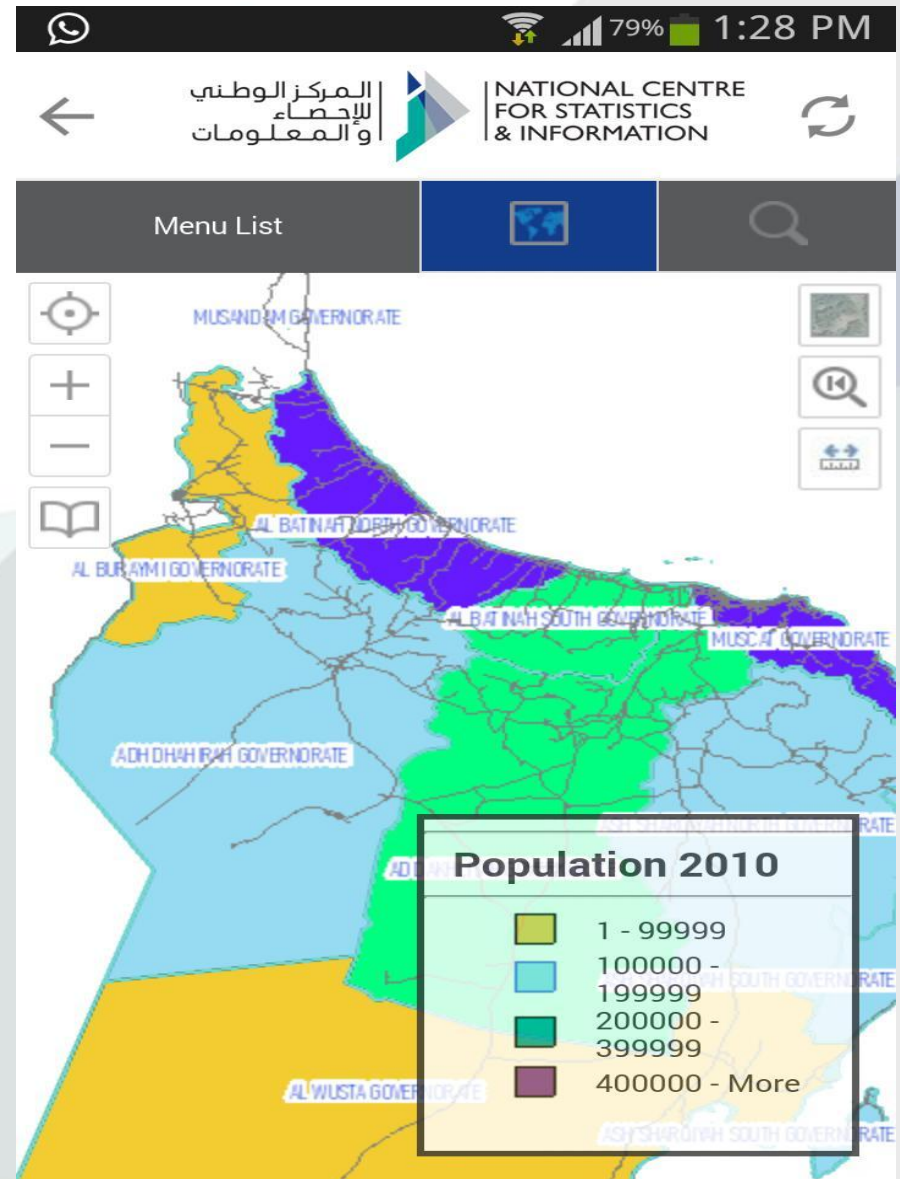
It is Mobile App



Socio-economic
Indicators



Interactive Map





شكراً

THANK YOU