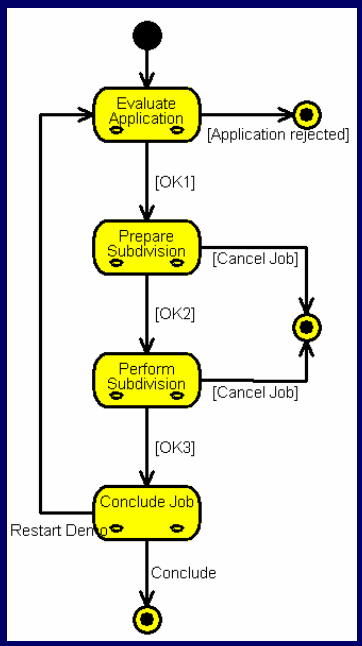
Organisation, network, cadastral data exchange

Cadastral Data: standards are required

- object (parcel, apartment, spatial unit)
- right (ownership (..,..,..), usufruct, mortgage, restriction, informal, unknown, conflict…)
- person (natural, non natural, group)
- identifiers
- value
- Area (GIS area and legal area)
- classification
- geographic name
- person name
- date (birth, establishment, acceptance, transaction, survey, check-in)
- ranking order
- source document
- forms
- point
- boundary
- face, edge, node: topology
- GIS Layers
- apartment - 3d
- land use
- share
- transaction type
- purchase price
- history (check-in, check-out, mother-child, history class)
- right relation
- mortgage, interest



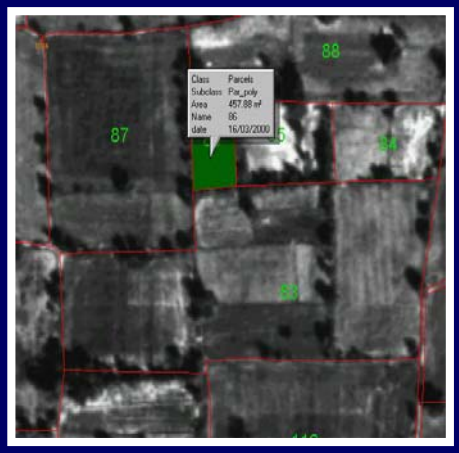
Work Flow

- Guides User through all steps in a Job
- Controls the Work Process
- Includes manual- & automated steps

- Example: ArcCadastre

Cadastral Update Process Data

- Transactions
- Customers request (application)
- Quality (accuracy, reliability, collection mode)
- Name of Conveyor, Surveyor, etc
- Signature
- Process step
- Archive data in use
- Next open identifier
- Type of instrument
- Distance in km
- Letters to buyer and seller
- Car in use, fuel
- Date and time
- Site
- Buyer/seller do not agree
- Authorisation
- Computer availability
- Topological erros
- Production norm
- Time regsitration
- Objection, complaint
- Salary scale
- Team
- Teammembers
- Responsible manager
- Status code
- Out of tolerance
- Line code
- Point code
- Transformation parameters
- Historical data used
- Cluster identifier
- IT Support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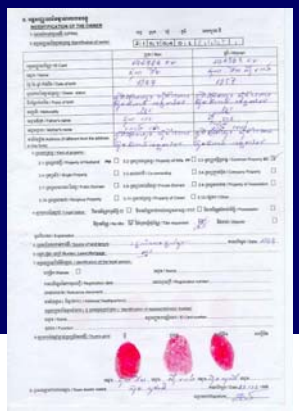
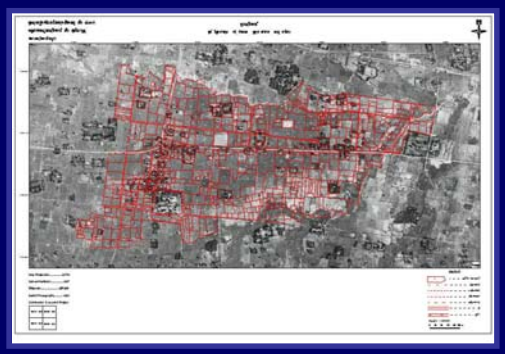
87
Class Parcels
Subclass Par_poly
Area 457.88 m²
Name 86
date 16/03/2000

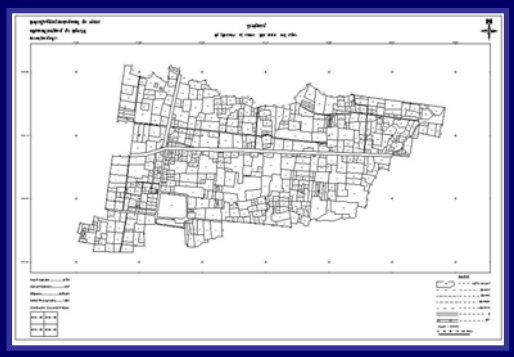


Complete overview

- The expert must be able to deliver input, throughput and output for all Land Administration Organisations: a new and common Land Administration Language
- The expert must be able to deliver the data for which his or her organisation is responsible for (data ownership, liability, etc)
- The expert understands the benefits of LA

Data Quality





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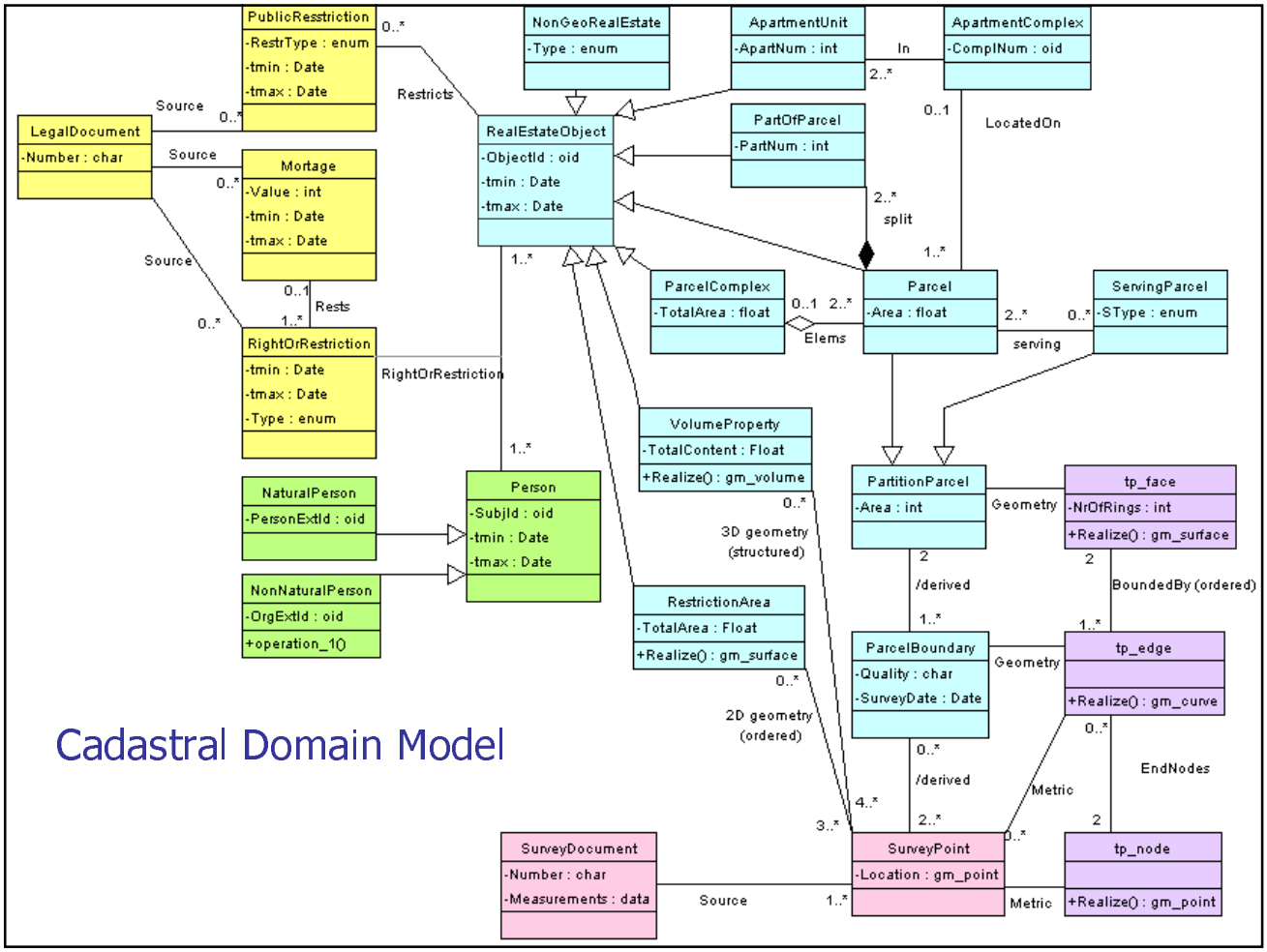
Thank You



Cadastral Domain Model