The value of addresses to the economy, society and governance – a South African perspective
South Africa

Capitals:

Pretoria (executive)

Bloemfontein (judicial)

Cape Town (legislative)
South Africa, a Rainbow Nation

Eleven Official Languages

Afrikaans
English
IsiZulu
IsiXhosa
SiSwati
Ndebele
Southern Sotho
Northern Sotho
Tsonga
SeTswana
Venda
South Africa

47.9 million people (mid-2007 estimate by Statistics SA)
9 provinces
262 municipalities
   6 metropolitan municipalities
±11 million households (Census 2001)
   with access to piped water: 66.1% in 2002 to 71.3% in 2006
   living in informal structures (shacks): 12.7% in 2002 and 14.5% in 2006
7 million land parcels
±500,000 sectional title properties
Largest address database: 3.6 million
Overview

1. South African addresses
2. SA Address standard
3. Benefits of addresses
4. Perceived disadvantages of addresses
5. Acknowledgements
I. South African addresses

No official address register
Many sources of address-related data

Surveyor General
• One integrated digital cadastre for the whole country

Registrar of Deeds
• Property ownership

Chief Directorate Surveys and Mapping
• Topographical maps

Municipalities
• Address allocation, property taxes

South African Post Office (SAPO)
• Postal delivery

South African Geographical Names Council
• Standardized geographical names; Redress, correct and transform geographical naming system

Utilities for service delivery such as electricity and telecomms
• Service delivery points
1. South African addresses

Street Address:
14 Glenvista Street
Woodhill
Pretoria
(City of Tshwane)
Gauteng

Building:
Glen Hills No 6
Glenvista Street
Woodhill
Pretoria
Gauteng

PO Box Address:
PO Box 153
Woodhill
(Kromdraai)
0081

Postal Street Address:
14 Glenvista Street
Woodhill
(Kromdraai)
0081

Surveyor General ERF Description:
Town: PRETORIUS PARK EXT 8
Major Region: JR
Erf: 686
Portion: 0
SG Code:
T0JR02050000067600000

Deeds Office ERF Description:
Proclaimed Town: Pretorius Park Ext 8
Erf: 686,0
Deeds Office: Pretoria (T)
I. South African addresses

Urbanization

Informal settlements

- Initially no individual cadastral properties
- Some of the settlements are acknowledged legally
  - Services are delivered in informal settlements
  - Plan is to replace them with formal housing
    - Formalizing the informal cadastre
- Dynamic dwelling demarcation
  - e.g. after fires
1. South African addresses

Apartheid legacy

Transformation of naming system

- Controversial, e.g. Pretoria vs Tshwane

Historically black townships

- Wide variety of addressing systems
- Many areas with house numbers only, no street names
- Assigning street names is a long process

Tribal areas

- Communal lands
- Single cadastral land parcel per tribe
2. SA Address Standard

South African National Standard (SANS)

SANS 1883-1, Geographic Information – Address Standard, Part 1: Data format of addresses

SANS 1883-2, Geographic Information – Address Standard, Part 2: Guidelines for addresses in databases, data transfer, exchange and interoperability

SANS 1883-3, Geographic Information – Address Standard, Part 3: Guidelines for address allocation and updates
2. SA Address Standard

Address
   An address unambiguously specifies a point of service delivery

Point of service delivery
   Actual location where a service could be provided

Examples of services
   Postal mail
   Utilities: electricity, water, telecomms, sewerage
   Emergency services
   Proof of residence for financial transactions
   Elections
   Household surveys
2. SA Address Standard

Traditional formalized:

Street Address
Dr Lategan Road, Groenkloof
1736 Pretorius Street, Arcadia, 0083

Intersection Address
Corner of Kings and Richmond Roads, Mowbray

Site Address
25436 Soshanguwe CC
Portion 938 Mooikloof
2. SA Address Standard

Composite:

Landmark Address
Parliament, Cape Town
Voortrekker Monument, Pretoria

Building Address
Election House, 260 Walker Street, Sunnyside
2nd Floor, Celtis Plaza, Schoeman Street, Hatfield
2. SA Address Standard

SA Post Office:

SA Post Office-Type Rural Village Address
012151 Ngxingxolo, Mooiplaas, 5228

SA Post Office Box Address
PO Box 2947, Hatfield, 0028, ZA
Private Bag X2438, Glenstantia, 0010

SA Post Office Street Address
477 Chopin Street, Glenstantia, 0181

SAPO Poste Restante Address
Poste Restante, Hazyview, 3928
2. SA Address Standard

Descriptive:

Farm Address
Tabakskuur, Grootgelukplaas, Kimberley Road, Bloemfontein

Informal Address
Opposite the butcher shop, Tsamaya Street, Mamelodi
2. SA Address Standard

Legend
- Land_Parcels (CoJ)
- Street_Centre_Lines (CoJ)
- Street_Addresses (CoJ)

Data view - SANS 1883 Address Info

| ID | Longitude  | Latitude  | AddressID | StreetNumber | StreetName | StreetType | RegisteredName | XCoordinate | YCoordinate | PointOfObservation | AddressType     | LifecycleStage | OfficialStatus | DataProvider | DataSource | STR_CODE | STATUS | LENGTH | SB_ID         | STR_CD   | ERR1 | ADDEDBY | ADDEDON | SHAPE_LEN |
|----|-----------|-----------|-----------|-------------|-------------|------------|----------------|--------------|-------------|-------------------|----------------|----------------|--------------|-------------|-------------|-----------|---------|--------|-----------|----------|------|--------|---------|----------|---------|
| 190| 26073662  | 2608239   | 188844    | 17          | MIRWANI    | ROAD       | SUNNINGHILL_EXT.2 | 28.073662   | 26.08239    | Centre of land parcel | Street Address | Active         | Official     | City of Joburg | City of Joburg | 07303   | P       | 3.0000 | TO1064200200004438000000 | 030941   | 0     | 0       | 0       | 3.00003378355 |
3. Benefits of addresses

Economy

Retail outlet planning

• Provide outlets close to customers

Capturing details of customers

Collating a national address database
3. Benefits of addresses

Society

Social status

- Sense of identity
- Being recognized as a full citizen

Providing proof of residential address

- Opening bank accounts and buying on credit

Emergency services

- Routing and providing assistance during disaster management

Connecting households to utilities

- Water, sewerage, telecommunications and electricity

Finding your friends and family!
3. Benefits of addresses

Governance

• Elections
  Facilitating participation by all eligible voters
  Ensuring accessibility to voting stations

• Census and household surveys
  Ensuring inclusion of all targeted households
  Planning and monitoring execution

• Data sharing
  Financial Intelligence Centre Act (FICA)
  • Combat money laundering
  Exchange of data between local, provincial and national authorities
  • Coordinating planning of service delivery
3. Benefits of addresses

SAPO rural addresses

Government policy is to provide every citizen with mail delivery to their place of residence

2006/2007 Roll-out

- Target: 1,645,678 new addresses
- Actually assigned: 1,819,211 addresses
4. Perceived Disadvantages

Rates and taxes
Serving of summons and other legal notices
Being tracked down by police
Bills and debt collection
5. Acknowledgements

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