SLITS
Swaziland Livestock Information and Traceability System

Animal Identification and Recording Systems for traceability and livestock development in sub-Saharan Africa

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What is SLITS?

SLITS is an animal identification and traceability system integrated within an Animal Health Information System.
Developed through a 2-in 1 project

Purpose
1. Disease control & surveillance
2. Trade
3. Cross-border stock theft
Legislation

- Animal Diseases Act 7/1965
- Livestock Identification Act 13/2001
- Draft Animal Disease (Animal Identification and Traceability) Regulations 2012
Animal Health System

• Based on the diptank system
• Livestock owners are required by law to be registered at a diptank area
• Cattle, shoats are dipped every 7/14 days in summer and 14/28 days in winter
• Cattle, shoats require a movement permit to move from one diptank area to another
IDENTIFICATION AND REGISTRATION

MOVEMENT CONTROLS AND TRACEABILITY

MANUAL AND COMPUTERIZED RECORD KEEPING
Identification

1. Mandatory National Identification
   Branding (left side)
   Eartagging

2. Voluntary Owners Identification
   Branding (right side)
Branding

**Shield**  
Country mark

**Diptank number**  
Herd mark

**CI** Brand for imported animals
Cattle Registration

- Mother
  - Animal Id
  - Sex
  - Breed
  - Colour
  - Date of birth

- Diptank

- Owner
  - Animal Id
  - Name and #
  - Kraal # and type
  - Address of Kraal

- Owner
  - Name
  - PIN
Movement Controls

Map showing:
- Import Permit
- Export Permit
- Stock Removal Permit
Records

- SLITS Livestock Register
- Diptank Register
- SLITS V1.0 Computerized Database
SLITS Database

Swaziland Livestock Information and Traceability System (WEBCLIENT)

- Livestock Information & Traceability System
  - Dip Tank Areas
  - Kraals and Kraal Owners
  - Dipping Events and Animal Register
  - Livestock Movements
  - Livestock Imports
  - Livestock Exports
  - Slaughter
  - Distribution of Tags
  - Brands Register
Network Structure

- Siphofaneni
- Luve
- Mbabane
- Manzini
- Mankayane
- Nhlangano
- Hlathi
- Mayiwane
- Bom ahasha
- Manzini
- Malindzi
- Siteki
- Siphofaneni
- Sithobela
- Tikhuba
- Lavumisa
Challenges

• No local technical back-up
• Network infrastructure not available in some areas
• Staff resistance to change
• Livestock owners resistance to change