

The SAPO Trust Centre



The Post Office today

Core Businesses

*The Post
Office E-
Business*

*Business
Communication &
Transaction
Solution
Provider of
choice*



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The Electronic Communications and Transactions Act 25/2002

Face to Face
Identification

Preferred
Authentication
Service
Provider

Certification of
electronic
documents

Electronic
Registered
Post

Chapter III Sec 13
and
Chapter VI Sec 38

Chapter IV
Sec 28(2)

Chapter III
Sec 14-19

Chapter III
Sec 19

SAPO – a part of Electronic History

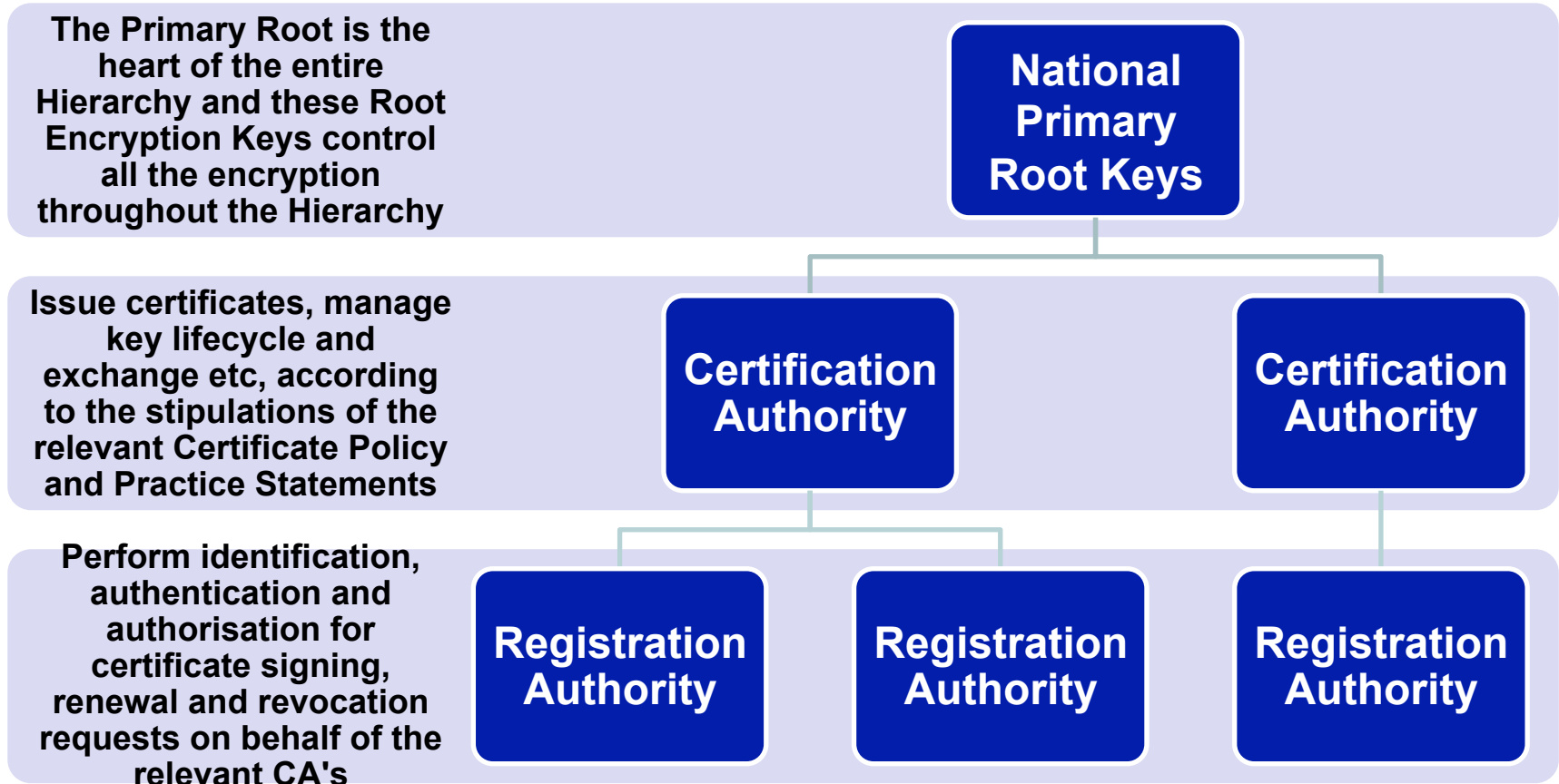
In July 2002 ECT Act of 2002 was promulgated.

Former State President, Mr. Thabo Mbeki, used the South African Post Office Trust Centre PKI Technology to electronically sign the ECT Act 25 of 2002.

This is the first Act to be digitally signed in South Africa.



The SAPO Trust Hierarchy



Objective

Secure online communications and transactions,
thus helping the country to fight cyber crimes in
its different forms.

What is a digital Certificate?

- A digital certificate is an electronic file securely linking an individual to encryption keys and identification data. This certificate belongs to a server or person and resides on a mobile token or within the certificate store of an application like an internet browser – encrypting and signing communications and transactions, protecting them from being intercepted by any unauthorised third party.

What is a digital Certificate..

- A digital certificate is an electronic "credit card" that establishes your credentials when doing business or other transactions on the Web. It is issued by a certification authority (CA). It contains your name, a serial number, expiration dates, a copy of the certificate holder's public key (used for encrypting messages and digital signatures), and the digital signature of the certificate-issuing authority so that a recipient can verify that the certificate is real. Some digital certificates conform to a standard, X.509.

Digital certificates.....

- An individual wishing to send an encrypted message applies for a digital certificate from a Certificate Authority (CA). The CA issues an encrypted digital certificate containing the applicant's public key and a variety of other identification information. The CA makes its own public key readily available through print publicity or perhaps on the Internet.

General Uses of PKI

- Allow a third party to authenticate the identity of a potential client.
- Enable validation of the status of the certificate.
- Enable electronic signing of data messages. (e.g. transactions, email and documents) Provides authentication and prevents tampering.
- Brings non repudiation to an electronic transaction.
- Encryption of electronic messages. (prevents message viewing)
- Used for access to physical environments. (smart card or other token)
- Access to specific Software Applications.
- Server authentication and encryption

The SAPO PKI Technology

- **Completely South African Developed.**
- **Software development was validated and certified by independent specialists.**
- **Fully Standards Compliant. e.g. X509(3)**
- **Web Trust compliant.**
- **Accredited by the SAAA in terms of section 37 of the ECT Act 25 of 2002**
- **Strong encryption – Certificates 1024bit**

For more information on Digital Certificates visit :

www.trustcentre.co.za

