Security Services
Program Plan

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Population Task Force

- **Who?**
  - Martin Roe, The Post Office, Chair
  - Terry Brookman, Barklays, PG representative to Architecture Board
  - PG folks from IBM, Sun, etc.
  - TOG staff

- **What?**
  - Develop Program Plan (Population) for IT DialTone
  - Sole focus first: Phase One

- **When?**
  - Started March
  - First delivery now
Roadmap

- **Phase One**
  
  *Consolidate coherent environment for information exchange and limited business transactions*

- **Phase Two**

  *Provide trusted infrastructure for communication between commerce partners*

- **Phase Three**

  *Reach out to global business community*
Technical Requirements

Phase One

● Base **security protocols**, specifically suited for web, email, and mission-critical enterprise computing

● **Digital certificates** to provide a secure container of validated and digitally signed information

● **Platform** security features
Contexts

Applications

IT DialTone Application Environment

IT DialTone Core Infrastructure
Architecture Reference Model

Security Services

Qualities

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Selection Criteria

- Stock-taking and inventory
- Stable specifications
  (comply with Interface Adoption Criteria)
- Maturity and intention of deployment
- Selective on protocols, where possible
  (assure interoperability and interworking)
## Selection - Phase One

### Internet Client
- Network Computer
- SSL Version 3
- CDSA (currently V 1.2)
- S/MIME
- PGP (optional)
- Cryptoki (PKCS #11)
- GSS-API (V1 & V2)
- SPKM

### Internet Server
- SSL Version 3
- CDSA (currently V 1.2)
- S/MIME
- PGP (optional)
- GSS-API (V1 & V2)
- SPKM
- SNMP Version 3

### Enterprise AE
- CDSA (currently V 1.2)
- GSS-API (V1 & V2)
- SPKM
- Kerberos V5
- DCE RPC
- DCE Security
- ONC RPC
- ONC RPC-GSS
- SNMP Version 3

### AE for VPNs
- RADIUS

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X.509 Version 3 (only non-critical extensions, profiles in future, when available)
- PKCS #7
- PKCS #10
- LDAP (V2 & V3, to access protected objects only)
What’s Next?

- Program Plan - document review draft (5/8)
- Program Group review and comments (5/22 due)
- Update and sanity check (PG help needed)
- Endorsement by PG
- Approval by Architecture Board

- Start Phase Two in parallel (initiated by PG)