

# IT Security Measures at the Government Online Centre

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# AGENDA

- About the GOC
- Technology Measures
- Policies & Procedures

# ABOUT THE GOVERNMENT ONLINE CENTRE

- Central Infrastructure Provider
- Optimize ICT investment for the public sector
- Enabling citizens and businesses to interact with government electronically
- Platform for electronic Government-to-Government interactions
- Internet Access for Schools

# TECHNOLOGY MEASURES

Measures implemented to:

- Monitor network & server access
- Prevent harmful content from entering the network
- Detect suspicious activities / intrusions
- Put a stop to spamming

# TECHNOLOGY MEASURES (CONT'D)

Security implemented at different levels:

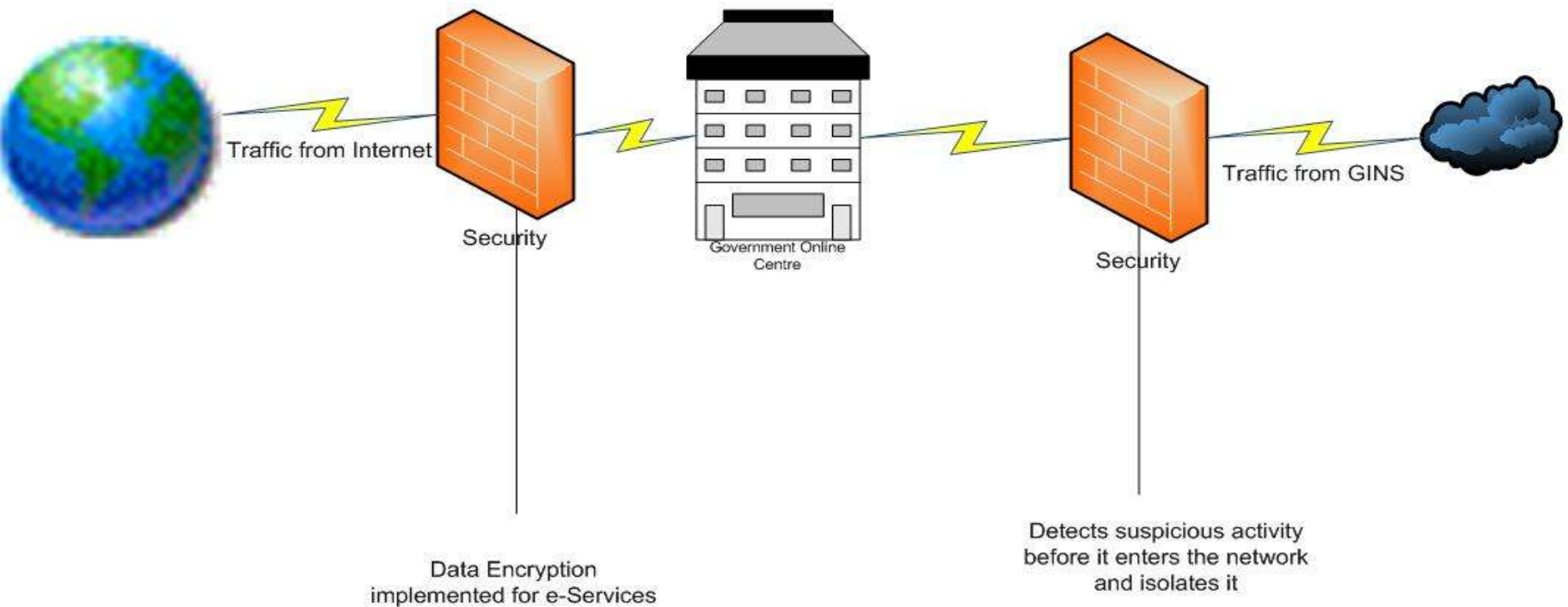
- Physical perimeter
  - Electronic Access Control System
  - Biometric Access Control
  - CCTV Camera
- Equipment Security
  - Physical Locks
  - Daily monitoring of Logs
  - Hardening of system software
    - O/S hardening
    - Application hardening
    - Network devices hardening

# TECHNOLOGY MEASURES (CONT'D)

Security implemented at different levels:

- Network
  - Firewalls
  - Intrusion Detection System
  - Centralised Anti-Virus
  - Centralised Anti-Spam
  - Content Filtering over Internet for GINS Users
  - Encryption of network traffic for e-Services

# TECHNOLOGY MEASURES (CONT'D)



# TECHNOLOGY MEASURES (CONT'D)

Security implemented at different levels:

- Application Security
  - User ID & Password
  - Validations of Input
  - Scanning of uploaded attachments for e-Services
  - Transaction Logs
  - Audit Trails
  - Audit of web applications in accordance to OWASP Security Measures
  - Access to confidential information via SSL

# POLICIES & PROCEDURES

The following policies have been put in place or are under implementation:

- GOC IT Security Policy
- ISO 27001 (currently under implementation)
- GOC Agreement with third parties
- GOC Security Procedures
- Internet Usage Policy (within the GOC & within GINS & SchoolNet)
- Anti-Virus Policy
- Password Management

Thank You