

E-Legislative Agenda

MINISTRY OF SCIENCE AND TECHNOLOGY

November 2014

Information and Communication Technology

- National Development Agenda
 - PILLAR 4: ICTs – Connecting T&T and Building the New Economy
 - PILLAR 5: A More Diversified, Knowledge-Intensive Economy – Building on the Native Genius of Our People
 - PILLAR 6: Good Governance – People Participation
- Proposed Vision:

"To create a dynamic knowledge-based society, driven by the innovative use of ICTs to enhance the social, economic and cultural development of the people of Trinidad and Tobago"

Ministry of Science and Technology **IN BRIEF**

- Responsibilities include:
 - Telecommunications
 - ICT Policy and Strategy | National ICT Plan
 - Management of the Government ICT Backbone
 - e-Government Systems integration
 - Science and Technology Policy Formulation
 - Secretariat to several committees:
 - Technology e-Business Roundtable
 - Inter-Ministerial Committee on ICT
 - Broadband Execution Team
 - National Technical Advisory Committee on E-trans
- Commonwealth Connects

Ministry of Science and Technology

- Management of diverse stakeholders through policy networks
- Development of Governance Framework for ICT in the Public Sector
- Direction for National ICT Policy, Infrastructure and Application Development
- Focal point to Global ICT Public Policy Processes
- Development of robust and enabling ICT Policy and Legislative Framework for ICT Ecosystem

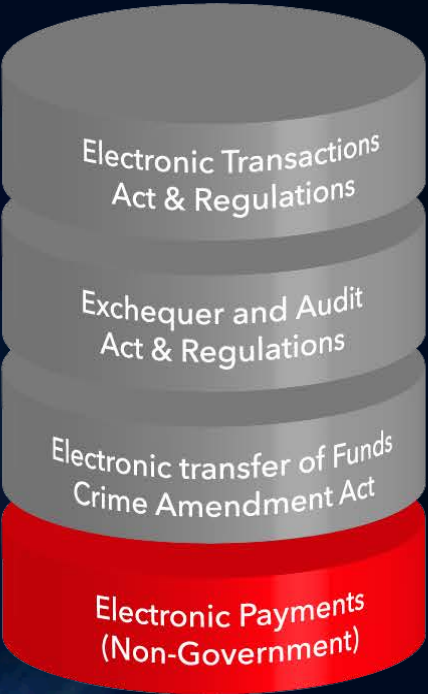
Snapshot of ICT Development Across GORTT

- ICT governance
- On-going liberalization of telecommunications sector
 - Mobile penetration- 141.84% (2013: Digital Divide Survey)
 - Broadband Penetration- 138% (2013: Digital Divide Survey)
 - Fixed Internet penetration – 52.1% of households
- Access Initiatives
 - GovNeTT – all gov't ministries connected to gov't communications backbone
 - SchoolNet – 636 public schools connected via broadband Internet
 - LibraryNet – all public libraries equipped with computers and broadband Internet
 - Community-based ICT Access Centres
- GDC 2 (with redundancy)
- TTBizLink – Single Electronic Window for catalysing trade administration
- e-Connect and Learn – laptops for students
- *ttconnect* – multi-channel service delivery platform

Enabling ICT Environment

LEGISLATION

e-Payment



e-Protection



Telecoms



e-Waste



Key

-  In progress
-  To Be Developed

Enabling ICT Environment

- Telecommunications Amendment Act & Regulations, viz.
 - Spectrum (Radio) Regs
 - Telecommunications (Network QoS) Regs
 - Universality Regulations
 - Numbering Regulations
 - Infrastructure Sharing & Access to Infrastructure Regulations
 - Domestic roaming and Mobile Virtual Network Operators (MVNO).
- Converged ICT Sector Legislation
- NIHERST Amendment Act
- Electronic Transactions Act & Regulations
- Data Protection Act & Regulations
- Provide advice in relation to ICT related legislation by other governmental agencies: Cybercrime

Enabling ICT Environment

The following includes some of the key policy development areas:

- **Telecommunications:** Competition and Convergence
- **National Science and Technology Policy**
- **Electronic Transactions**
 - Electronic Signatures
 - Online Consumer Protection
 - Information Security
- **Data Protection Act**
 - Establishment of Office of the Information Commissioner
 - Privacy Policy
 - Data Matching
 - Data Sharing
 - Data Classification

Enabling ICT Environment

- Electronic Authentication
- Internet Identity Management
- Cryptology
- Free and Open Source Software
- Open Data
- Domain Names
- Interoperability
- Content and Presentation Design
- Risk Management
- Electronic Records Management
- Protection of Personal Privacy
- Email/Internet Usage
- Network Security and Access Control

Risk Profile

ASSETS	VULNERABILITIES	THREATS
Government WAN	<ul style="list-style-type: none"> Usage across gov't ministries is not consistent Supporting data classification is not in effect Supporting security standards are to be implemented 	<ul style="list-style-type: none"> Cyber attacks such as DoS and DDoS will be increasingly menacing with further digitisation as regards e-government/e-commerce
Government Data Centre	<ul style="list-style-type: none"> Usage across gov't ministries is not consistent Need to strengthen enforced legal protections and safeguards for confidential/sensitive data/information GORTT position on cloud computing is in progress 	<ul style="list-style-type: none"> Threat of natural or man-made disasters compromising centres
Foundation Service Infrastructure "Middleware"	<ul style="list-style-type: none"> Reconciliation between front-office and back-office functions is hinged on on public service support and reform 	<ul style="list-style-type: none"> Increased silos and/or alternative public processes if not implemented uniformly Bottlenecks along service lines may lead belie public confidence in ICTs
Community-based ICT Centres	<ul style="list-style-type: none"> Physical security of centres is beyond the full control of MST 	<ul style="list-style-type: none"> Risk that users engage in inappropriate usage
Critical Information [Open Data]	<ul style="list-style-type: none"> Classifiers, including sensitive personal data as regards data protection, are to be implemented Measures to be put in place in relation to consumer protection online 	<ul style="list-style-type: none"> Leakage of confidential or sensitive information, whether intentional or unintentional, could lead to a breakdown in public trust in ICTs

Approach on Cybercrime and Cybersecurity

- Thought leadership on cybersecurity/ cybercrime can be enhanced through on-going collaboration with MNS as well as key public and private sector stakeholders
- Recognised need to prescribe an updated and revitalized legal response for computer and computer-related crime (penal legislation)
- Recognised need to facilitate horizontal alignment with other policy/legislative areas
- Recognised need to harmonise domestic legal response with foreign legislation
- Recognised need for a coordinated technical response
- Initiation of convergence policy (telecoms, broadcasting and information delivery) and the regulatory landscape of the Internet ecosystem
- Increased public sensitization and awareness in relation to Cybersecurity and online safety

Thank You

FOR YOUR TIME AND ATTENTION