



Whole of Government ICT Centralisation Strategy

SIG-Connect
SIG-Datacenter

Presentation by the
SIG ICT Support Unit

SIG-ICT Support Unit

Ministry of Finance & Treasury

Our Vision:

To empower SIG services to Solomon Islanders through effective delivery of ICT

Our Mission:

We deliver SIG services through innovative and sustainable technologies supported by an environment that fosters talent and embraces best practices.



BRIEF BACKGROUND



2011

Cabinet Decision

2012-2013

SIG-Connect Network Infrastructure

7 Backhaul Sites
10 HT Sites
95 CPE Sites

2013-2014

SIG-Connect Datacenter Server Infrastructure (ASB)

SIG-Connect Disaster Recovery Site (NDMO)

2015

SIG-Connect Provincial Rollout

Auki, Gizo, Noro, Munda, Kirakira, Buala, Lata & Taro

Tulagi, Guadalcanal and Tingoa (*in progress*)





CONT...



2016

Completion of Sig-Connect Infrastructure Rollout

Shared Infrastructure (SP & STL fibre)

Current Status

98% Honiara
7/10 Provincial HQs
Total Users and Devices
5600 +

Largest Centrally Managed Network in the Region

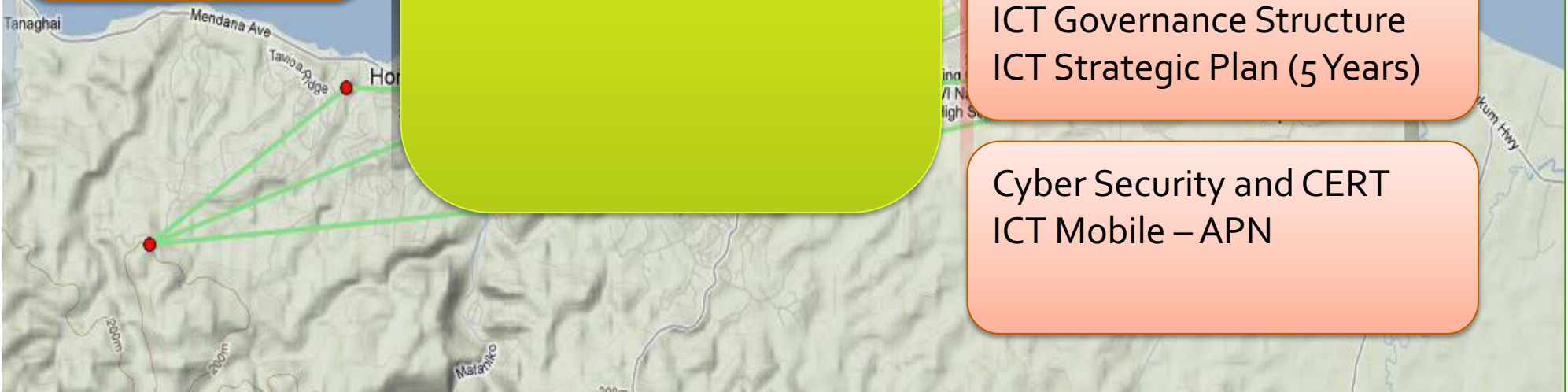
2017 Roadmap

Continuous Improvement of Network & Server Infrastructure

Application Development
System Integration & Consolidation

ICT Legislations
ICT Governance Structure
ICT Strategic Plan (5 Years)

Cyber Security and CERT
ICT Mobile – APN



Datacenter & Disaster Recovery Site

- ICTSU hosts, maintain and support more than **30 Ministry-specific ICT Information Systems** offered to different SIG agencies
- Many of those are critical systems, e.g.:
 - Generating revenue to the Government
 - Managing patients and medical records
 - Justice Information Management Systems

Ensuring Systems
Availability and Recovery

Recent Developments or experiences in the deployment

- Upgrade of Flexpod Infrastructure for increased capacity.
- Implementation of DMZ (Segmenting the network for increased security)
- Deployment of Radwin in replacement of cambium equipment used for Honiara Wireless MAN.
- Deployment of cambium access points to replace Meraki access points
- Increased focus on network monitoring systems (SolarWinds and LibreNMS) – creating maps so network engineers can see problems at a glance.
- Active Directory based login for network equipment so every user has their own access (increased security)
- Provincial sites “double hop satellite” proof of concept works well – investment in single hop links to increase performance.

Network Problem Solving with ISPs Telekom & Satsol

- Telekom
 - Fibre from SIG offices to data center via Telekom fibre.
 - VSAT link to five Provincial centers using Telekom Infrastructure.
 - Telekom O3b a total of 110Mbps (90Mbps download & 20 Mbps upload)
 - Microsoft terrestrial links to Auki and Tulagi.
- Satsol
 - Honiara Wireless MAN.
 - Provincial wireless MAN
 - VSAT link to eight Provincial networks.
 - Internet bandwidth via Satsol O3b & Cband.

SHARED ICT SERVICES ACROSS SIG

- More than **50 shared ICT SERVICES** are being provided to users across SIG.
- A lot of those are not really visible to the users, but are **KEY** to ensuring a reliable, stable and secure ICT environment to SIG

OPERATIONAL CHALLENGES

- Due to the increase in scope and reach, the demand for ICT service has also increased thus requiring additional resources, mainly:
 - ICT Staff (establishment from Ministries)
 - ICT Budget
 - Centralized Services (e.g. internet, email, file sharing, VoIP, etc.)
 - Maintain line items
- Require Stronger collaboration and partnership approach from Ministries & end users

OPPORTUNITIES/BENEFITS

Opportunities

- Information Sharing, Consolidation and Integration
- E-Government Framework

Benefits

- Availability and Accessibility of Accurate and Up to Date Information for better Decision Making
- Increasing citizen participation through online services

CONCLUSION

Our Slogan

*Accessibility Through Mobility To Your Information For
Better Decision Making*