Cyber-Security in Kiribati

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Telecommunication Background

- Telecom Services Kiribati Ltd (TSKL) – Telephone & Internet Services including Mobile Phone Services

- Television Kiribati Ltd (TKL) – TV & Internet Services

- Government of Kiribati – biggest stakeholder in the Telecommunication industry

Telecommunication Regulator

- Telecommunication Authority of Kiribati (TAK)

- Established in July 2005

- To monitor and regulate the telecommunication services, use of frequencies, dot ki domain registrations, licensing and more.

TAK functions

- Take steps to ensure that telecommunication systems and services in Kiribati are operated in a manner that will best serve and contribute to the country's economic and social development
- Grant licenses for telecommunication systems and services and supervises and enforce compliance with the conditions of licenses

TAK functions (cont'd)

- Monitor the quality of services provided by operators and ensure that services conform to standard of quality specified by the Authority or under regulations
- Advise the government on policies and legislative measures in respect of telecommunication
- Collaborate with educational institutions in order to promote technical education in the field of telecommunication

Status of Cyber-security

- Cyber security - not yet an issue in Kiribati
- Most people & Government bodies are not aware of the existence of cyber crimes
- Reasons: Absence of Online Banking, Online Shopping and other E-commerce systems etc.
- However the Telecommunication Authority is considering setting up such legislations.

First Step towards Cyber-legislation

- Establishing a National framework and Awareness
- Achieved by an ICT cyber-security workshop & consultations with various stakeholders, service providers, state executives and legislatures, non-government organisations, educational institutions and the private sector

ICT Cyber Security Workshop

- Key Objectives
  - To advise stakeholders on the framework and principles of cyber-legislation, the various elements contained therein and the practices on adoption of ICT legislation
  - To arrive at a roadmap and model framework for cyber-legislation suitable for Kiribati
  - Raising awareness & encouraging Human Resource Development in this area
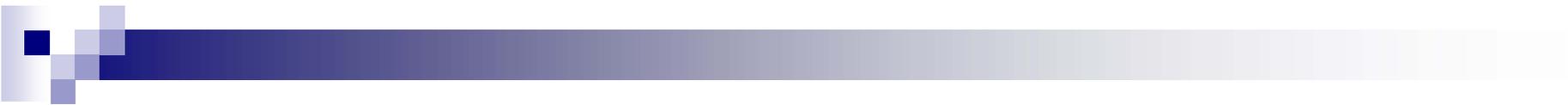
ICT Cyber Security Workshop

- Key Objectives (cont'd)
  - Creating an enabling environment to encourage broadband and ICT investments
  - Increasing confidence and security for broadband and ICT usage
  - Strengthening cooperation between the ICT service providers, Vendors and the Users

Expected Outcomes

- Knowing the importance of cyber-security
- Human Resource Development schemes
- Drafting of ICT policies related to Cyber-Security
- Identifying barriers to the implementation of cyber legislation in Kiribati
- Coordination of fragmented ICT & Cyber-security projects towards establishing nationwide ICT & Cyber legislations
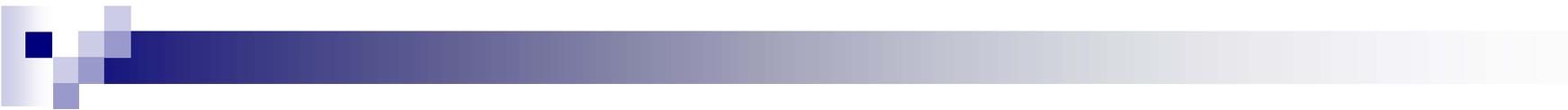
Expected Outcomes (Cont'd)

- A draft roadmap for cyber legislation in Kiribati
- Regulatory framework established
- Principles of cyber legislation identified
- Other cyber security issues in Kiribati

When to implement?

- Workshop to be held probably in 2 or 3 months time

- Consultations with all individual Government and Private bodies will start from July this year until early next year.

- Cyber legislations are expected to be established before the end of next year

Possible Changes to the Plan

- This plan is not yet finalised
- New ideas from this forum to be added to the current national plan

Challenges

- Lack of knowledge to draft cyber legislations & policies – Invite assistance
  - E.g. assist in identifying of principles required for cyber legislations
- Lack Technical skills to able to identify and counteract such cyber related crimes including malwares.
  - E.g. majority of our IT people do not have skills to tell whether their servers are infected or not
- More constraints expected to be identified after the workshop & consultations

Our Needs

- Need Legal and Technical advices
- Need our people to be well trained in this area
- Need assistance to carry out Cyber security surveys and assessments in Kiribati
- Need to work closer with regional and International bodies like PITA, ITU, APT, AusCert, NZCert, & more
- And more

Conclusion

- Kiribati is not safe
- That is why we need to
  - Work fast
  - Need assistance urgently
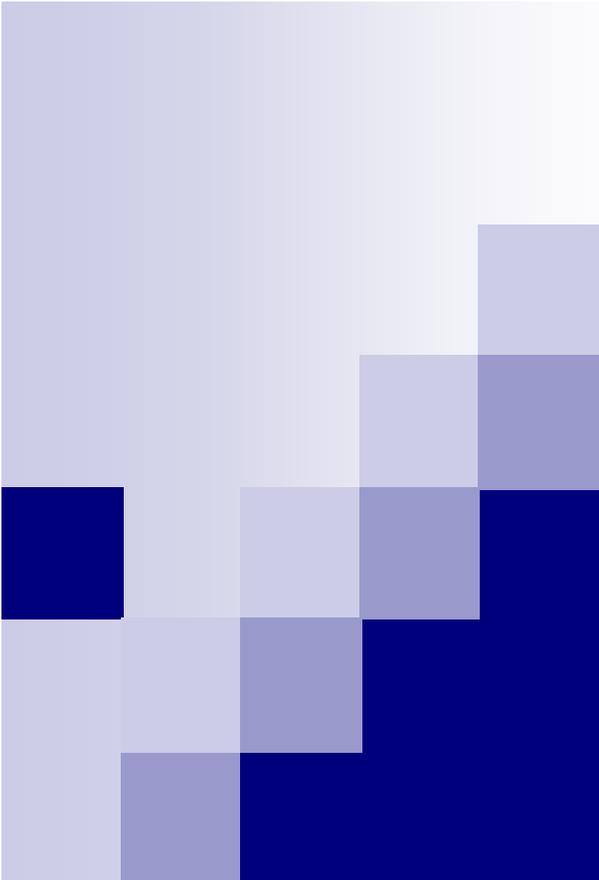
Thank you

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