

CYBER SECURITY MANAGEMENT IN EAST AFRICA: CASE STUDY TANZANIA

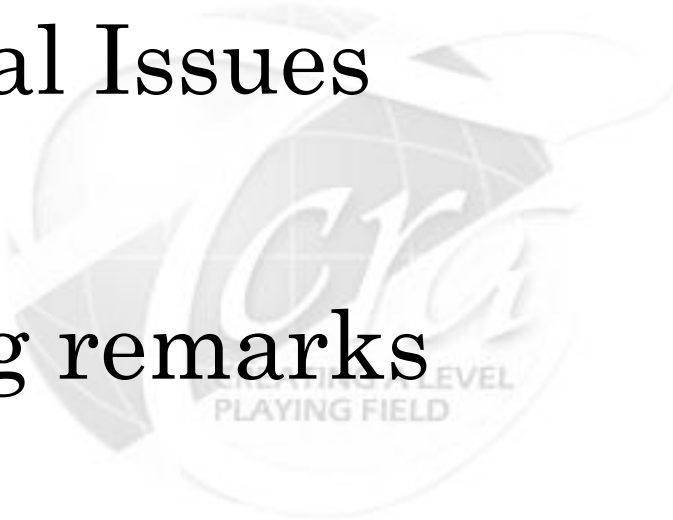
(2010 EAST AFRICA IGF, 11-13 AUGUST, KAMPALA UGANDA)



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OUTLINE

- Definition
- Regulatory Issues
- Cyber Legal Issues
- Policy
- Concluding remarks



DEFINITION

- Cyber security can be defined as the *prevention*
 - of damage to,
 - unauthorized use of,
 - exploitation of,
- *and -- if needed -- the restoration of electronic information and communications systems, and the information they contain, in order to strengthen the confidentiality, integrity and availability of these systems**

* www.itu.int/ITU-D/cyb/cybersecurity/docs/itu-draft-cybersecurity-framework.pdf



REGULATORY

- Electronic and Postal Communications Act of 2010
 - Effective in June 2010
 - Establishment of Computer Security Incident Response Team (CSIRT)/CERT (Computer Emergency Response Team)
 - Coordinates response to cyber security incidents
 - Collaboration with regional and international



REGULATORY (CONT)

- CSIRT/CERT provides services and support to defined constituency*
 - Provide assistance
 - Prevention
 - Handling
 - Responding
 - Information sharing
 - Lesson learnt
 - CSIRT Tanzania constituency will be the entire cyber community
- Computer Security Incidents
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* CERT-CSIRT Development Team



REGULATORY- CONT.

○ Electronic Addresses

- Regulator has power to regulate all electronic communication numbering and electronic addresses

○ Provides stiff penalties for

- Interception of communication (without lawful authority)
- Unauthorised use of Computer
- Obscene Communications transmission



REGULATORY – CONT.

○ Regulation

- Minister may make new or modify regulations under the EPOCA
- New regulations (Possibly)
 - CSIRT/CERT Regulations (Composition and duties)
 - Spam Regulation
 - Data retention period
 - Protection of Minors
 - Work with service providers
 - Implementation of best practices



REGULATORY- AWARENESS & COORDINATION

- EACO cyber security Workshops
 - TCRA is a member of EACO cyber security Taskforce
- Cyber security Workshop
 - Towards a secure and sustainable communication sector (Organised by TCRA)
 - Gov, Private sector, academia, Service providers
 - Experts from CERT organisation, IMPACT (International Multilateral Partnership Against Cyber Threats)



POLICY

- National Telecommunication Policy of 1997
 - No mention of Cyber security
 - No Emphasis on data
- National ICT Policy of 2003
 - Good governance (e government)
 - Legal and Regulatory framework (trust, security and values)
 - Ensures that Tanzania does not become a heaven of cyber crime
- New Policy may be needed
 - Development of Cyber strategy (Gov, Private sectors, citizens)



SECURITY LAWS

- EPOCA of 2010
 - Amendment of Evidence act in 2007
 - Information from computers, servers, network devices
 - Records from surveillance of communication facilities
- Shall be admissible as evidence***
- Bankers book (ledgers, cash book, accounts books)
 - Written form or data message kept in a computer




SECURITY LAWS (FUTURE)

- Introduction of comprehensive laws
 - Electronic transactions law,
 - Electronic signature and e-commerce
 - Certification
 - Data protection
 - Privacy and personal data
 - Computer misuse laws



CONCLUSION

- Provision of **New** set of regulations
 - Involvement of stakeholders in cyber security issues
 - Development of the national cyber security framework
 - Provision of Tanzanian CERT
 - Capacity building and coordination
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Thank you for your attention!

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