

CYBERSECURITY IN VANUATU

7th APT CYBERSECURITY FORUM, PHNOM PENH, CAMBODIA

11-13 OCTOBER 2016

TELECOMMUNICATION & RADIOCOMMUNICATIONS REGULATOR



The Government
of The Republic
of Vanuatu



Telecommunication &
Radiocommunication
Regulator

AGENDA

- ❑ Brief about Vanuatu
- ❑ Brief on Telecommunications/Internet Network in Vanuatu
- ❑ Cyber Security Issues in Vanuatu
- ❑ National Cyber Security Framework
- ❑ Regulatory Approach & Actions to address National Cybersecurity
- ❑ Summary



Vanuatu in brief

- ❑ Archipelago consisting of 83 islands of which 63 are inhabited
Total land area:
 - ❑ **5,000 sq KM**
- ❑ Population of approximately 280,000 (2014 estimates)
 - ❑ **80% RURAL**
 - ❑ **20% URBAN**
- ❑ GDP (2013) of VUV75,800 million (\$688.9 million)
- ❑ Largest contributor to GDP is Tourism
 - ❑ **Agriculture follows close behind**
- ❑ GNI (per capita 2013) \$US3,130
 - ❑ More than 80 languages;
 - ❑ Government:
 - Westministerial system with unicarmel executive



Brief on Telecommunications Network Coverage in Vanuatu

- Currently – around 93% population coverage of mobile network (2.5G internet Coverage)
 - TRR is mandated to implement and deliver by January 2018 98% of population coverage in both Broadband and mobile network access
 - 2 mobile operators to upgrade all tower sites to 3.5G by 2018
- 2 main Mobile Operators providing mobile service
- 8 Internet Service Providers (ISP)
 - Most ISP's provide internet services in two main urban areas only
- 4 exception Licensees provided to Suppliers of Internet Capacity Bandwidth through Submarine cable at the wholesale level only



Examples Of Cyber Security Issues in Vanuatu

- Phishing
 - Actual transfer of funds from one account to another
 - Scam and fraud
- Online bank fraud
 - Identity theft
 - Hacking of commercial Bank fraud
- Denial of Service Attacks
- Virus Attacks (eg. Ransomware is becoming common in Vanuatu)



Existing National Cybersecurity Framework

- National Cybersecurity Policy
 - The Government Rep (Mr. Jackson Miake) will share with you more on the implementation of the Policy
- Draft Cybercrime Legislation
 - We believe the Government is currently consulting across Vanuatu on the document. It is expected to be ready for enforcement by 2017
- Establishment of the Government ICT Policy Department (OGCIO) – to carry out the above work
- Establishment of TRR and its functions per the Telecommunications and Radiocommunications Act, 2009



Regulatory Approach on Cybersecurity Matters

- ❑ Enforcement of Part 8 of the TRR Act on Consumer Protection and Relations
- ❑ Enforcement and monitoring of the effectiveness of the Consumer Protection Regulation approved in late 2015
- ❑ Awaiting Gazettal of the Vanuatu's country Code Top Level Domain Name (.vu) – Regulation
- ❑ Currently, TRR is doing a lot of awareness across Vanuatu :
 - Implementing its Consumer Awareness and Protection Plan
 - Using its Community Consumer Champions (through face to face meetings, Posters, Brochures, FM radio talkback shows, Television programs and more).
 - TRR has also established its Consumer and Business Advisory Groups whom they represent respective communities in quarterly meetings discussing Consumer Protection matters.



Regulatory Approach on Cybersecurity Matters (Conti..)

- TRR host annual events on Regulatory Internet Matters. This year's (next week) event – theme is on “Embracing Internet Security”
 - Establishment of National Cert Working Group (it is anticipated to be up and operational by Quarter 4 2016)
- Meetings with Financial Regulator to Address cyber securities regarding online banking (Draft MOA is now on consultation)
- Lead with the support of the Government on implementing Child Online Protection program
- Continuous Consultation with respective Government Departments on the best approach to combat Cyber security issues in Vanuatu.



Summary

- TRR will continue to work on delivering what is best for Vanuatu Citizens in line with its mandate and functions
- TRR is also attending training such as this forum to learn and gain from experiences shared
- And it will continue to share and learn from international Best Practices!



□ THANK YOU



Thank you

Margret Joyce Kensen

Office of the Telecommunications & Radiocommunications Regulator –
Port Vila, Vanuatu

www.trr.vu

