



CyberSecurity in Cambodia

Issues and Challenges



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ITU CyberSecurity Workshop and Cyber Drill | 09-11 Dec 2013 | Vientiane | Lao PDR

Agenda

- ❑ CamCERT's Milestone
- ❑ Cambodia Case Study
- ❑ What we have done?
- ❑ Conclusion



Milestone



CamCERT's Milestone

13 Dec 2007 – 23 Oct 2013

NiDA

24 Oct 2013 - Present



National Cambodia Computer Emergency Response Team (CamCERT)



Dec 2006



Dec 2007



2008-2010

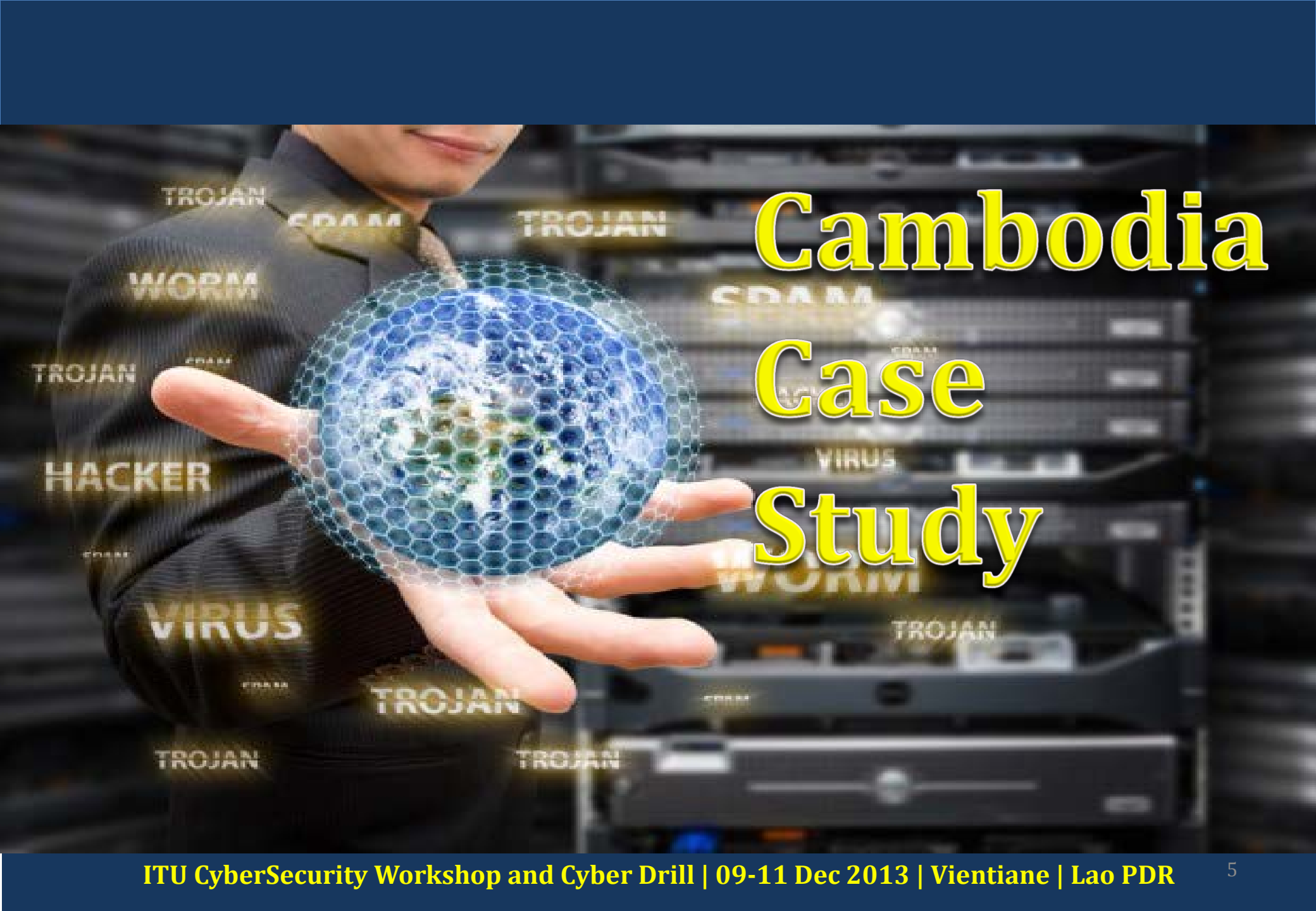


2011



2011~





Cambodia Case Study

What Happen Today?

We are Vulnerable / We are a transit zone



#OpTPB2



What Happen Today?

Cyber Espionage – Are we targeted?



Kaspersky



Snowden

The CAMBODIA DAILY

All the News Without Fear or Favor | The Daily Newspaper of Record Since 1993

Monday, December 2, 2013

HOME NEWS BUSINESS OPINION ABOUT US

Phnom Penh Listed as NSA Collection Point

By Joshua Wilwohl - November 29, 2013

Phnom Penh acted as a U.S. National Security Agency (NSA) regional collection point for the interception of data obtained by malicious software placed on more than 50,000 computer networks worldwide by the U.S. spy agency, according to a new document released by NSA whistleblower Edward Snowden.

Released on Saturday and first reported by the Netherlands-based NRC Handelsblad newspaper, the NSA document dated 2012 and labeled "top secret" shows a worldwide Signals Intelligence (SIGINT) network, which refers to the interception of data from people or electronics, of more than 80 Special Collection Services points around the world.

Recent Posts

- ▶ Court to Re-Probe Chanaiwa's Attack on Reporters
- ▶ Education Ministry Gets Donation of IT Supplies
- ▶ CNRP Calls for Investigation Into National Ship Registry Sale
- ▶ Lack of Legal Aid in Cambodia Puts Children, Poor at Risk
- ▶ Groups Want Independent Human Rights Body
- ▶ ACU Arrests Customs Officer, Two EdC Staff

Archives

Select Month

What Happen Today?

NECELECT -Local Hackers on the move ...



Young Geek

តើប្រជាជនជាតិកម្ពុជាខ្លាំងជាង?

KON KHMER

WEBSITE MYTV គេបំពានសិទ្ធិយើង

Hacked

HACKER CNC

WEBSITE CNC បំពានសិទ្ធិយើង

CNC

What Happen Today?

Government Websites a Haven for Hackers



We're Victim

គេហទំព័រ អគ្គស្នងការ នគរបាលជាតិ រងការវាយ ប្រហារ ព្រឹក្ស Hackers

Monday, 21 May 2012 10:44 full-admin



ភ្នំពេញ៖ នៅព្រឹកថ្ងៃទី ២១ ខែ ឧសភា ឆ្នាំ២០១២ គេហទំព័រ អគ្គស្នងការនគរបាលជាតិ www.police.gov.kh បានទទួលរងនូវការវាយប្រហារយ៉ាងធ្ងន់ធ្ងរព្រឹក្ស Hackers ។

ប្រន្តនគរបាលលេខាធិការបច្ចេកទេស គេហទំព័រ អគ្គស្នងការនគរបាលជាតិ សុំមិនបេក្ខញ្ចេញឈ្មោះ ចាត់ប្រាប់ថា នៅព្រឹកមិញនេះ គេហទំព័រ អគ្គស្នងការនគរបាលជាតិ www.police.gov.kh ត្រូវបានក្រុម Hackers វាយប្រហារ ដោយរូបក្បាលមនុស្ស និងអក្សរ Hacked By Brothers Team ។

What Happen Today?

Information Leakage ...



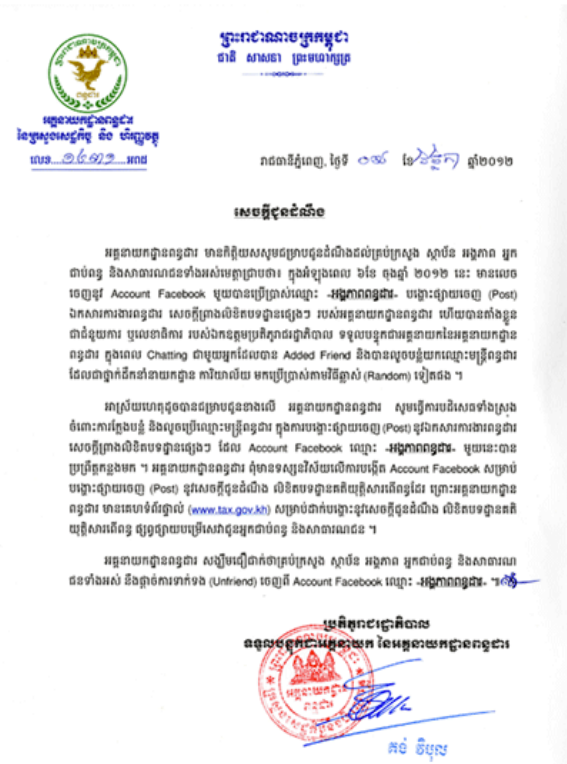
Leakage

មានគេយកឈ្មោះ អគ្គនាយកពន្ធដារ លោក គង់ វិបុល លើ Facebook

Friday, 09 November 2012 14:26 ដោយ ៖ ដើមអម្ពិល (DAP) : ID

ភ្នំពេញ៖ ឈ្មោះរបស់លោក គង់ វិបុល ដែលបច្ចុប្បន្នមាន តួនាទីជារដ្ឋមន្ត្រី ហើយទើបតែត្រូវ តែងតាំងជា ប្រតិភូ រាជរដ្ឋាភិបាល ទទួលបន្ទុកជា រដ្ឋមន្ត្រី ត្រូវបានជន ខិលខូចយកទៅ ប្រើដើម្បីជាផលប្រយោជន៍ របស់ខ្លួន។

យោងតាមសេចក្តីជូនដំណឹងរបស់អគ្គនាយកដ្ឋានពន្ធដារចុះថ្ងៃទី ០៨ លោក គង់ វិបុល ដែលមជ្ឈមណ្ឌល ព័ត៌មានដើមអម្ពិល ទទួលបានសេចក្តីជូនដំណឹង មួយចំនួនបាន ឃើញថា Account Facebook ដោយឃើញ




What Happen Today?

Financial Systems have been attacked ...



ANZ Royal Bank Internet Banking customerservice@anz.com.kh via galadriel.stetne Mar 5 ☆ ↶ ↷

to me ▾



ANZ Account Notification

Dear ANZ Customer You Have A New Online Banking Statements of Account .

1. Click here to view your [Statements & Documents](#).
2. Choose your account from the dropdown menu.
3. Click on the following link(s) in the **Important Documents** section on the right side of the screen:

If you have questions, we are available 24 hours a day, 7 days a week. Call us at (855) 23 999 000 or sign on to send a [secure email](#).

Sincerely,
ANZ Royal Online Customer Service
B0E90409F29F3915E0440021283BC044
Subject: ANZ Account Notification Received March 5, 2012

A person in a white lab coat is shown from the chest down, holding a yellow pencil in their right hand and a white tablet in their left. The background is a dark blue gradient with a pattern of white binary code (0s and 1s). Overlaid on the image are several padlock icons: one red padlock is in the center, and several green padlocks are scattered around it. The text "What Have we done?" is written in a large, yellow, outlined font on the right side of the image.

What Have we done?

CamCERT Activities

Outreach campaign on CyberSecurity awareness



500 Gov't



1500 students



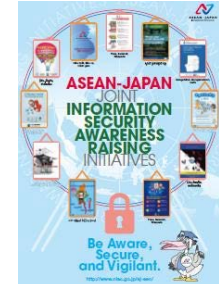
1500 Public



15,637 Mem



ASEAN-JAPAN



CamCERT Activities ...

Network and Information Security Related Issues



30 Websites



25 Emails



Security



Practices



Users Guide



Draft- CyberCrime



Challenges

Knowledge
know-how
skill

Outdate
software

Poor
coding
standard

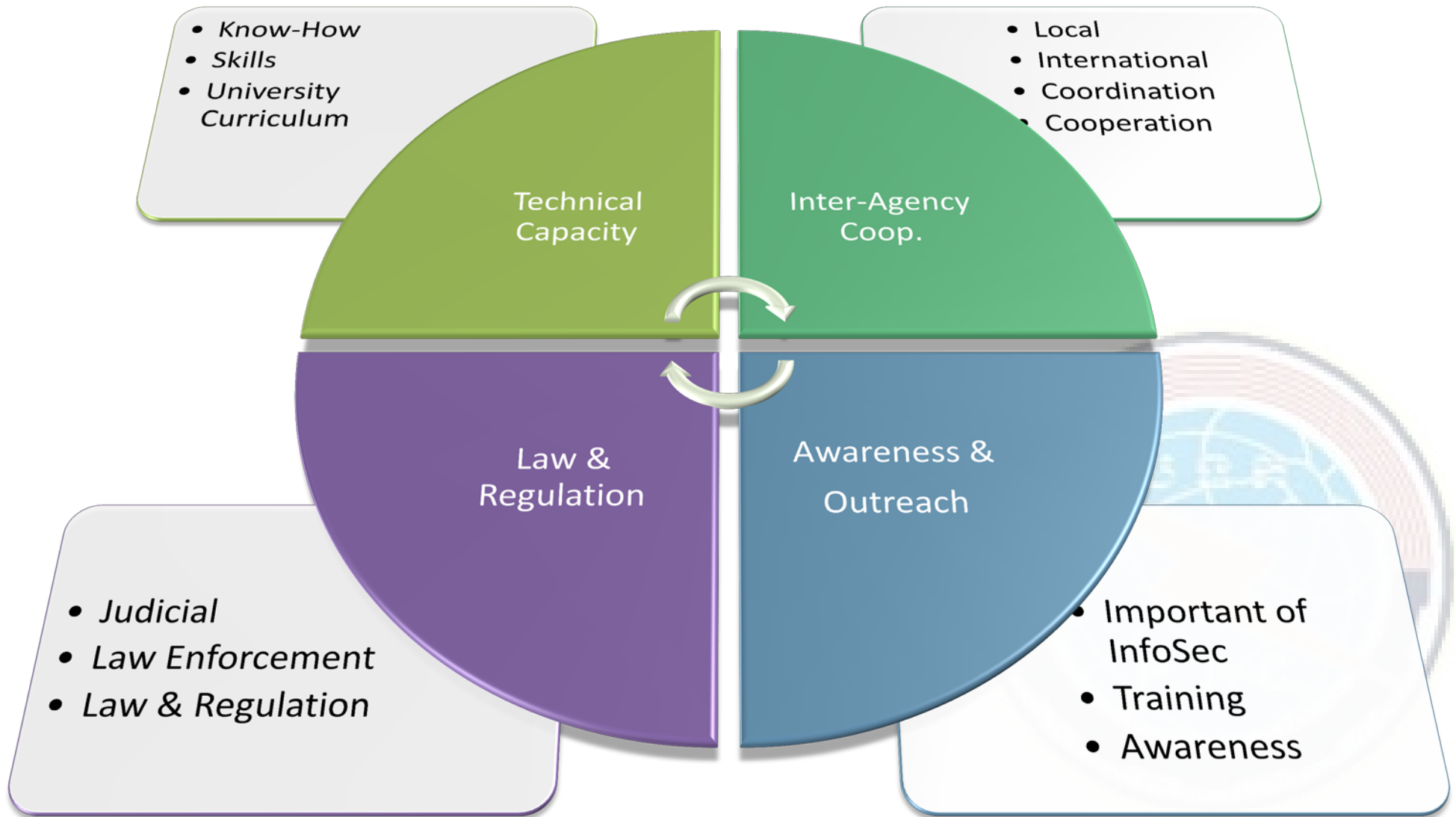
Law and
Regulations

Policy,
Standard &
Norms

Awareness
on InfoSec

Patching
Human

Way Forward 2014-2015



Cyber Security

is everyone's
responsibility...

Protect your information
at home and at work!



Thank You!

