Lesson Learned from APEC Framework Implementation: Indonesia

Purpose: Information
Submitted by: Indonesia
Lesson Learned from APEC Framework Implementation: Indonesia

APEC Symposium on Information Privacy Protection in E-Government and E-Commerce
Horison Hotel, Hanoi, 20-22 February 2006
Her driver's license.
Her credit cards.
Her bank accounts.

Her identity.

DELETED
nagging question

• How is it possible?
  (a very naive question)
• How are we going to overcome the problem?
• What measures should be taken by individual/organization/economy?
• What initiative has been taken by economies?
• How Indonesia coop with the issue?
**Indonesia’s Great Challenges**

- **The unique characteristics compared to other countries in particular:**
  - Geographically consisting of more than 17,000 islands
  - Uneven distribution of population with more than 224 millions people
  - Diversified cultures with more than 520 ethnic groups and around 300 local languages
  - Newly democracy with current multi-dimensional problems

- **Today Infrastructures (2005):**
  - Telephone line: 9.4 millions (fixed) and 27.9 millions (mobile)
  - Public phone: 382,000 units
  - Internet Penetration: 1.5 millions subscriber and more than 16 millions users
  - Internet Kiosks: 261,000
  - Internet Exchanges (IX): 3
  - ISP: 140 licensees, 35 operational
  - Radio Broadcasting: 1,400 stations (nation-wide and local)
  - TV Broadcasting: 10 nation-wide networks
  - Pay TV: 4 TV cables, 2 DBS TV
Indonesian National ICT Vision

• “to bring into reality a modern information society, prosperous and highly competitive, with strong support from ICT

• This vision has thoughtful meaning, that is: to bring into reality an Indonesian information society with ethics, morals, and cultural identity that respects traditional aspects of the community; and acting as a force to drive the Indonesian nation towards self-sustainability, a nation that owns her integrity and has the capability to effectively execute each aspect of nation building, democracy, and prosperity
• **TELEDENSITY**

Major City (11 – 25 %).
Rural (0.2 %).

± 43.022 villages without telephone access
(64.4 % out of 66.778 villages).

Infrastructure:
9.4 million fixed line (4.2 %)
27.9 million cell phone (11 %)
• Company Expenditure for Software and Hardware: US$20 Million, with 20% annual growth

• B-to-C instead of B-to-B Advertisement/Promotion Not Continuous
Growth of Internet Subscribers and Users
WEB DOMAIN

Total Domain: 21,762
Current report on emergency
Report

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*Table: Abuse Report APJII*

*Until end of 2004 (Non-cumulative calculation)*
Problem

- Security body that involved the whole stakeholders has not established.
- Lack of skilled worker that specialized in security issues.
- Does not have equipment that support network security.
What has been done

- Applied secure on-line transaction standard: ISO 17799


- Road show community, school, local government, etc
Telecommunication Act No. 36/1999
Broadcasting Act No. 32/2003
IT and e-Transaction Act being proposed by the Ministry to the Parliament
The President Decree No. 50/2003 extended the existence of National IT Task Force (TKTI) chaired by Minister of CIT
Several Ministerial Decrees for operational guidance such as Licensing Procedures for telecommunication networks and services (including multimedia).
• Anti Monopoly and Fair Competition Law No. 5/1999 which provides provisions to encourage best practice in antimonopoly and fair competition business.

• Patent Law No. 14/2001 which was designed to create competition and fairness in business environment.

• Copyright Law No. 19/2002 enacted July 2003 which provides provisions to protect Intellectual Property Right (IPR) including ICT.
• Broadcasting Act (Law No. 32/2002)

Objectives:

- Stipulate regulation on all related broadcasting activities.
- Mandate to establish a new independent broadcasting commission to control content and code of conduct of broadcasting operators.
• Draft of Information Technology and Electronic Transaction Act

Status: approved by the Government in October 2004 and waiting for ratification by the Parliament.

Objectives:

- A legal umbrella for securing cyber-activities including IT and electronic transactions.
ID-SIRTII

• ID-SIRTII → Indonesia Security Incident Response Team on Indonesia Infrastructure

• It is an initiative from DGPT and Internet Community

• Involve related parties e.g. Police, Attorney General, Central Bank, Associations, Community, related Ministry and the experts.
Work Scopes

• To monitor and early detection of internet networks incident in Indonesia.
• To store the evidence of Internet transaction on Secure Data Center.
• To support the availability of Digital Forensic and Digital Evident for law enforcement process.
• To be a Contact Center based on report of security disturbance of internet infrastructure (24/7) from the public.
• To provide services that include lab simulation, training, consultancy, and socialization.
ID-SIRTII Targets

- A creation of safe infrastructure for government application, business, etc.
- The availability of digital evidence in the court so that law can be more enforced.
- Verification of attack and disturbance attempts in internet networks in Indonesia.
- A creation of good coordination with related institution either domestic or overseas to overcome the threat and disturbance and to create environment that supports internet networks.
- Availability of early warning alert.
Present Organization

DITJEN POSTEL

- Coordinating Committee

APJII

- IIX
- Monitoring system
- Learning Center

Central Police Department

- Digital Forensics
“On the Internet, nobody knows you’re a dog.”
THANK YOU