



Asia-Pacific
Economic Cooperation

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Agenda Item: 18

Lesson Learned from APEC Framework Implementation: Indonesia

Purpose: Information
Submitted by: Indonesia



**APEC Symposium on Information
Privacy Protection in E-Government
and E-Commerce
Ha Noi, Viet Nam
20-22 February 2006**



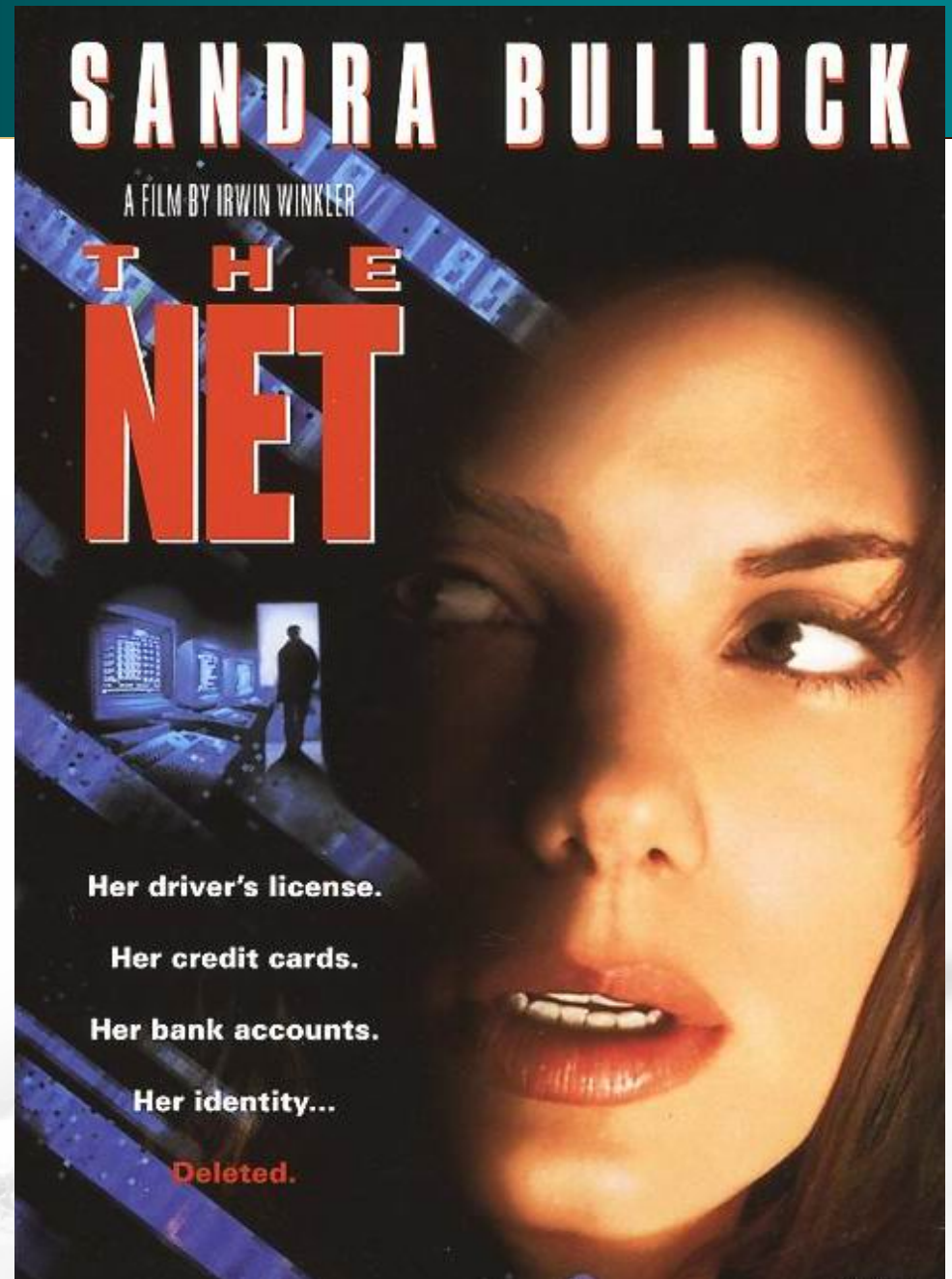
Lesson Learned from APEC Framework Implementation: Indonesia

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*

OVERALL CONDITION

- **TELEDENSITY**

Major City (11 – 25 %).

Rural (0.2 %).

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

Infrastructure :

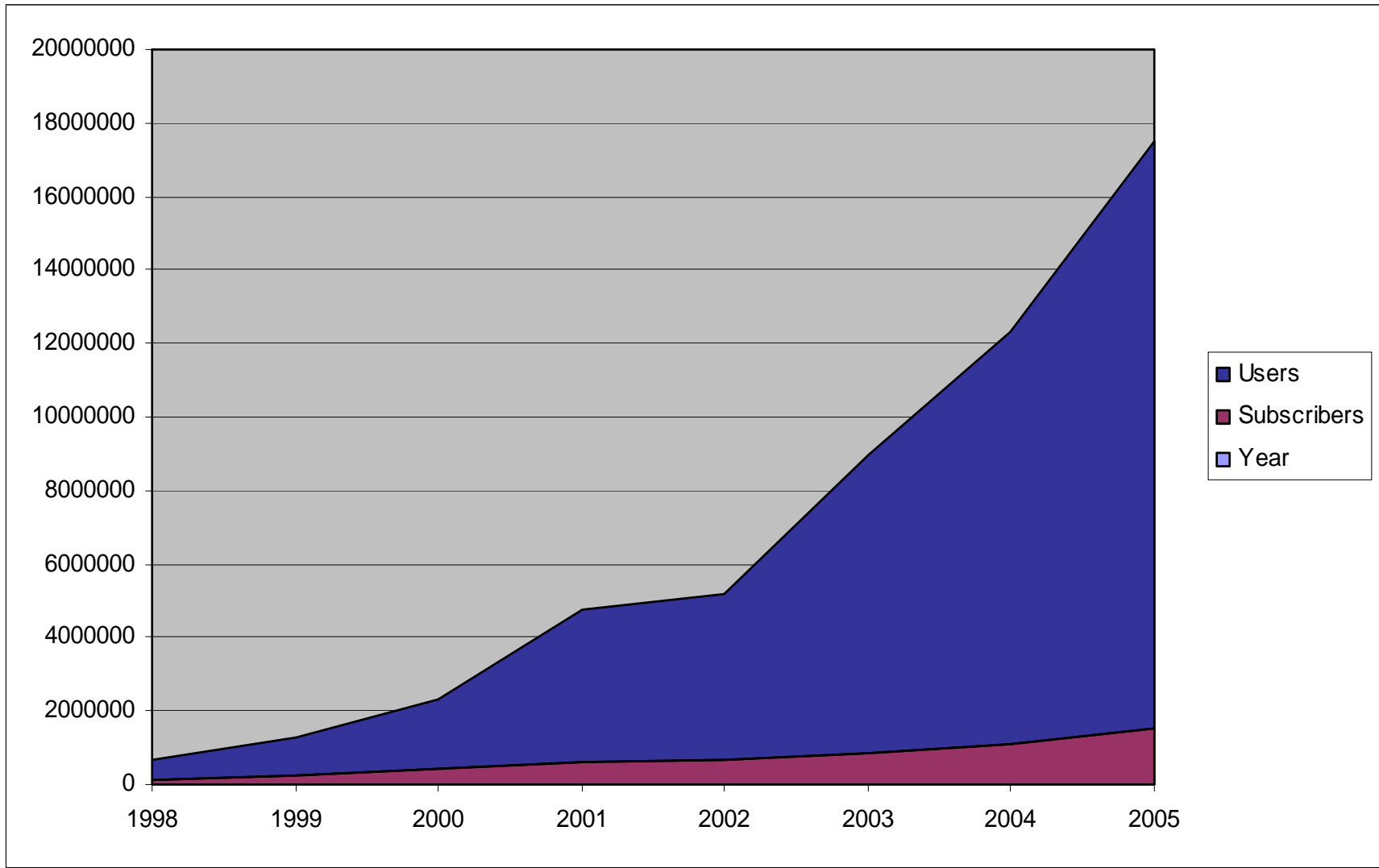
9.4 million fixed line (4.2 %)

27.9 million cell phone (11 %)

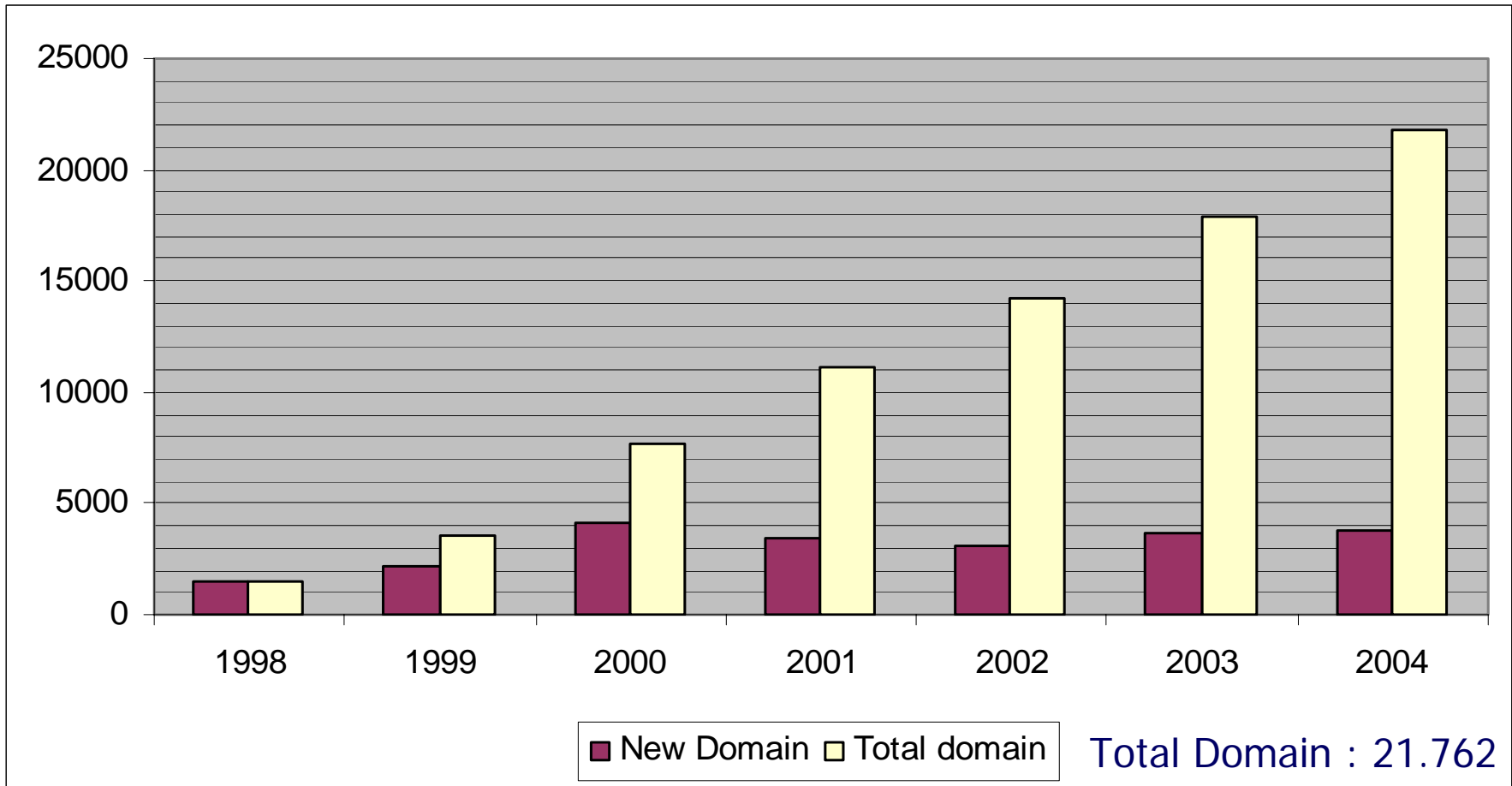
OVERALL CONDITION

- 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



Current report on emergency Report

	Oct-Des		
	2002	2003	2004
Spam	135	8.389	3872
Spam Report	0	1.202	6770
Network Incident	44	2.267	1003
Open Proxy	-	1.21	3856
Fraud	4	210	61

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
- Government-Public partnership:
Indonesian Telecommunications Society (1993)
Telecommunication Coordination Team (2003)
- Road show
community, school, local government, etc

ICT Regulatory Update

- 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
- Government Decree No. 52/2000 on Telecommunication Operation and No. 53/2000 on Radio Frequency Spectrum
- Several Ministerial Decrees for operational guidance such as Licensing Procedures for telecommunication networks and services (including multimedia).

ICT Regulatory Update (cont.)

- 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.

ICT Regulatory Update (cont.)

- 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.

ICT Regulatory Update (cont.)

- **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.

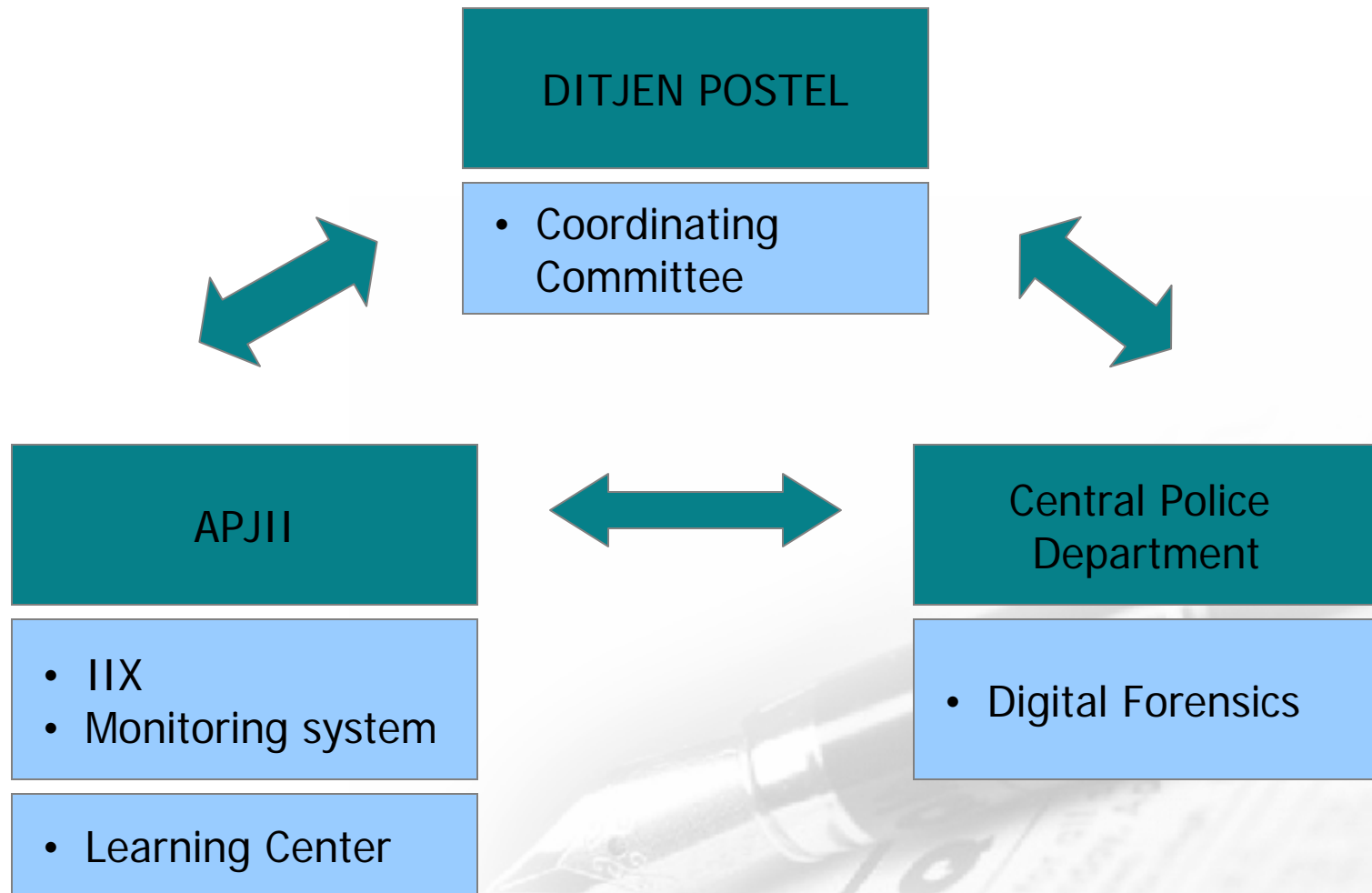
Work Scopes

- 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

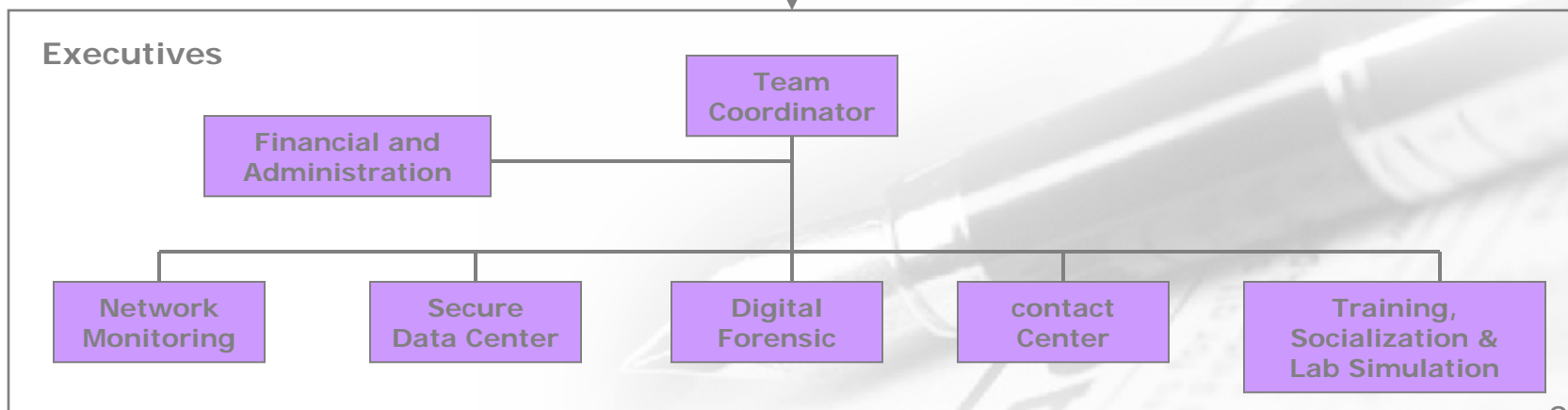
- A creation of safe infrastructure for government application, business, etc.
- The availability of digital evidence in the court so that law can be more enforced.
- Verification of attack and disturbance attempts in internet networks in Indonesia.
- A creation of good coordination with related institution 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



Future Organization

DIRECTORATE GENERAL OF POST AND TELECOMMUNICATION





P. Steiner

"On the Internet, nobody knows you're a dog."

THANK YOU