



DEPARTEMEN KOMUNIKASI DAN INFORMATIKA
REPUBLIK INDONESIA
Mempuja Masyarakat Informasi Indonesia

Cyber Security: **Policy of the Internet Infrastructure**

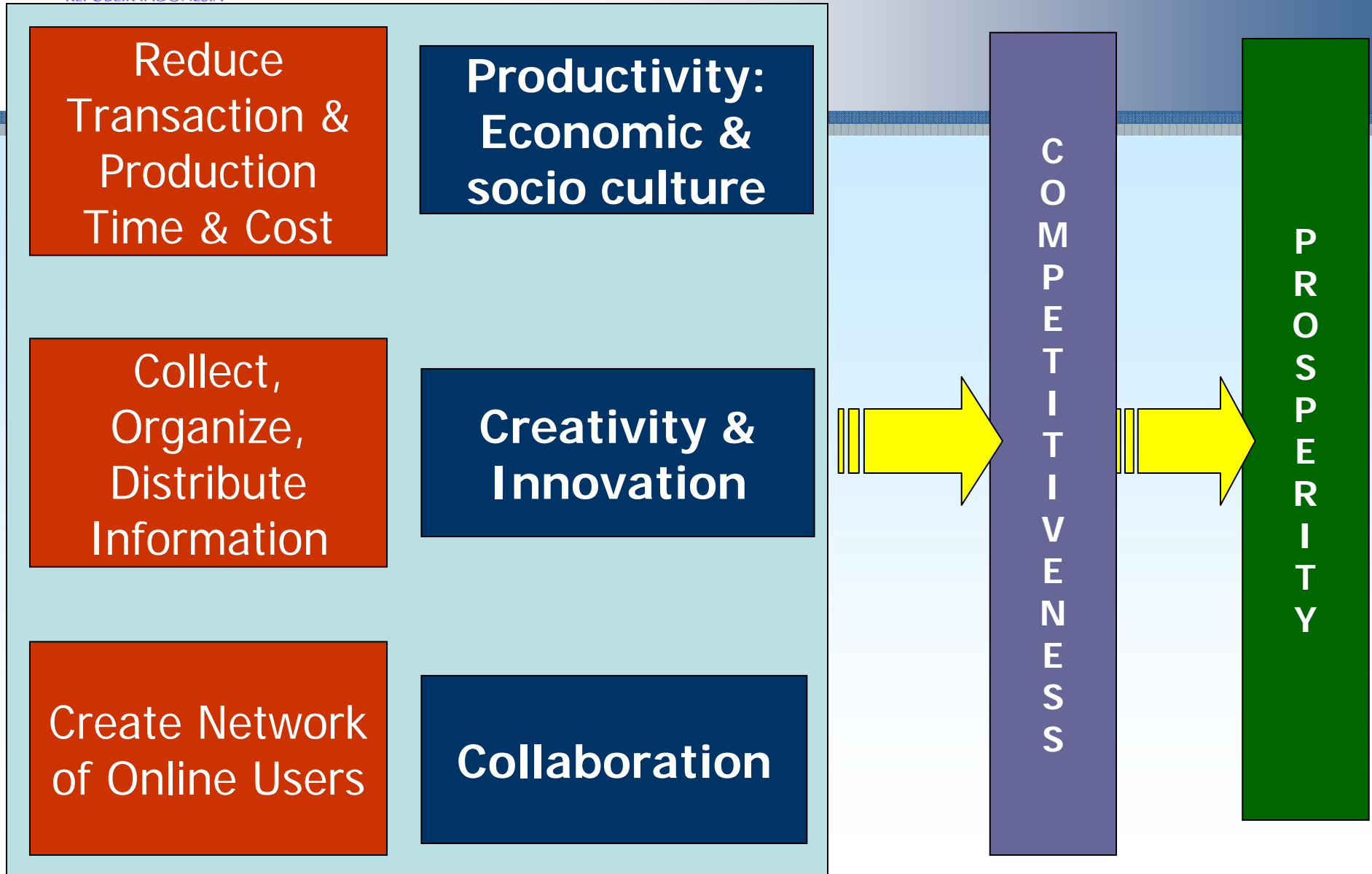
Dr. Basuki Yusuf Iskandar

Acting Director General of Post and Telecommunications/
Secretary General of MCIT
Republic of Indonesia

2009 ITU Regional Cybersecurity Forum for Asia-Pacific
Hyderabad-India, 23- 25 September 2009



ICT Roles





Strategic Goal

- **Affordability**
 - Affordable Tariff
 - Equal distribution
- **Quality and Security**
 - Services
 - Network infrastructure
- **Utility and Productivity**
Productive in using Telco resources economically and socially

Policies

- **Infrastructure providing sufficient in term quantity and quality**
- **Regulation healthy industries environment**



Competition in Indonesian Mobile Business

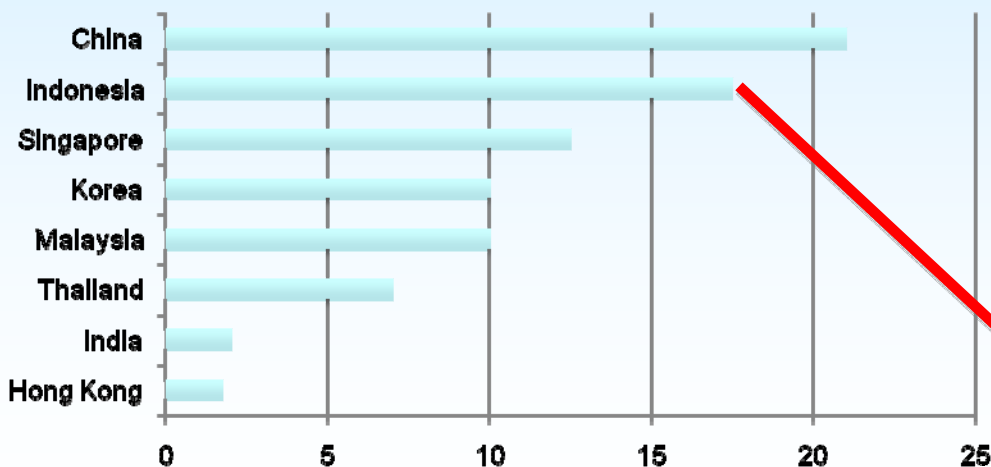
Competition in the Indonesian mobile business has driven down prices considerably in past 24 months

impact

This has resulted in tariffs moving from being one of the most expensive in the region to one of the cheapest

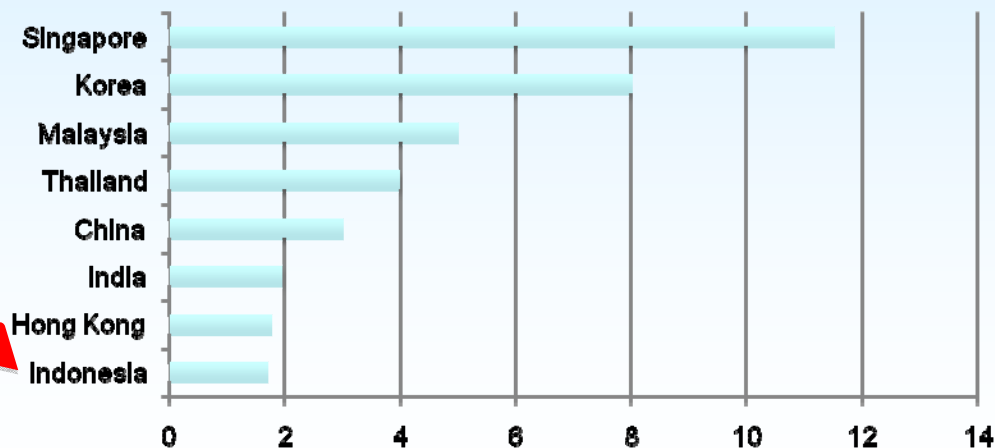
RPM Comparison in 2005

RPM (US cents/minute)



RPM Comparison Today

RPM (US cents/minute)

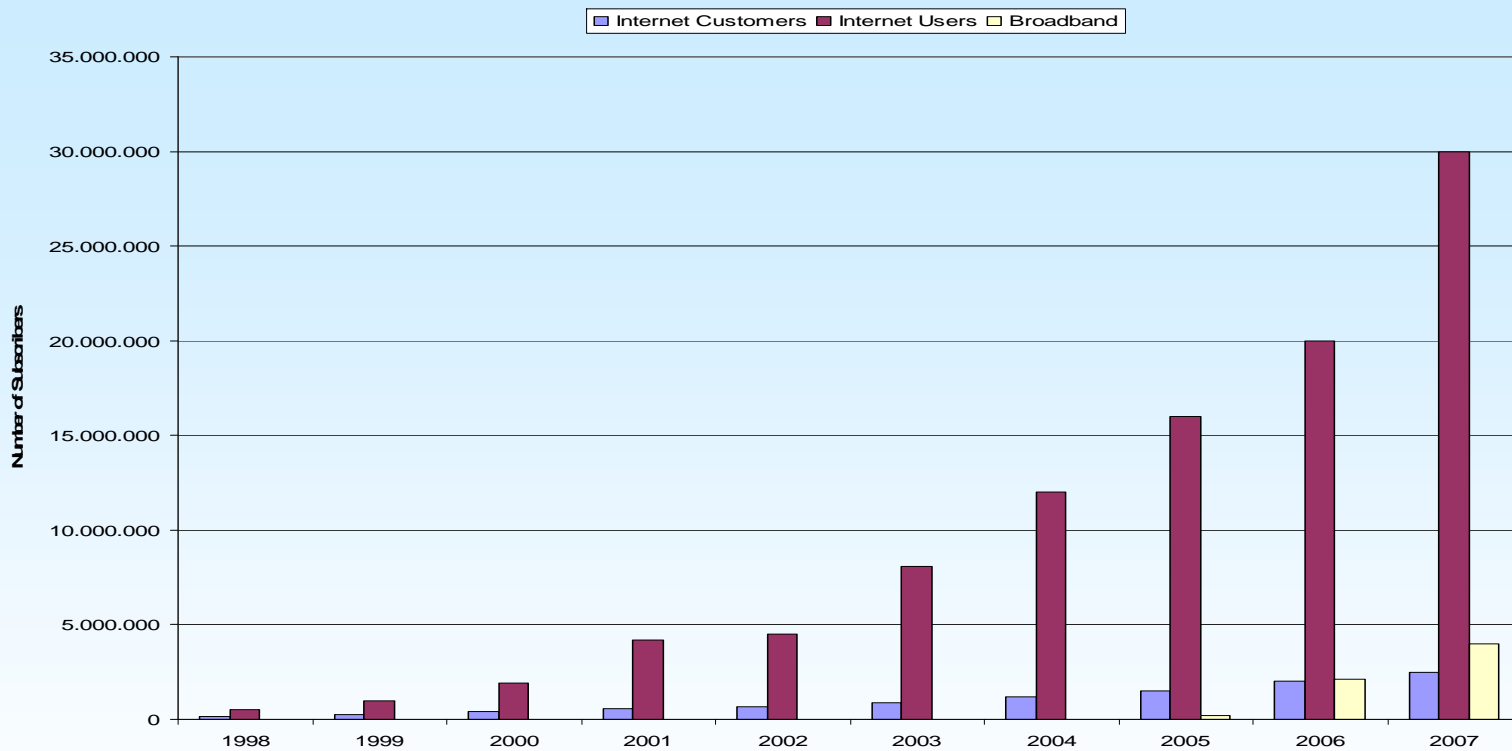


This has also impacted the tariff of Fixed Telephony to lower down!!



Growth of Internet & Broadband

DEPARTEMEN KOMUNIKASI DAN INFORMATIKA
REPUBLIK INDONESIA
Menuju Masyarakat Informasi Indonesia



Comparison Tariffs of Internet 2004: 2009: IDR 9000/hour : IDR 15000/week

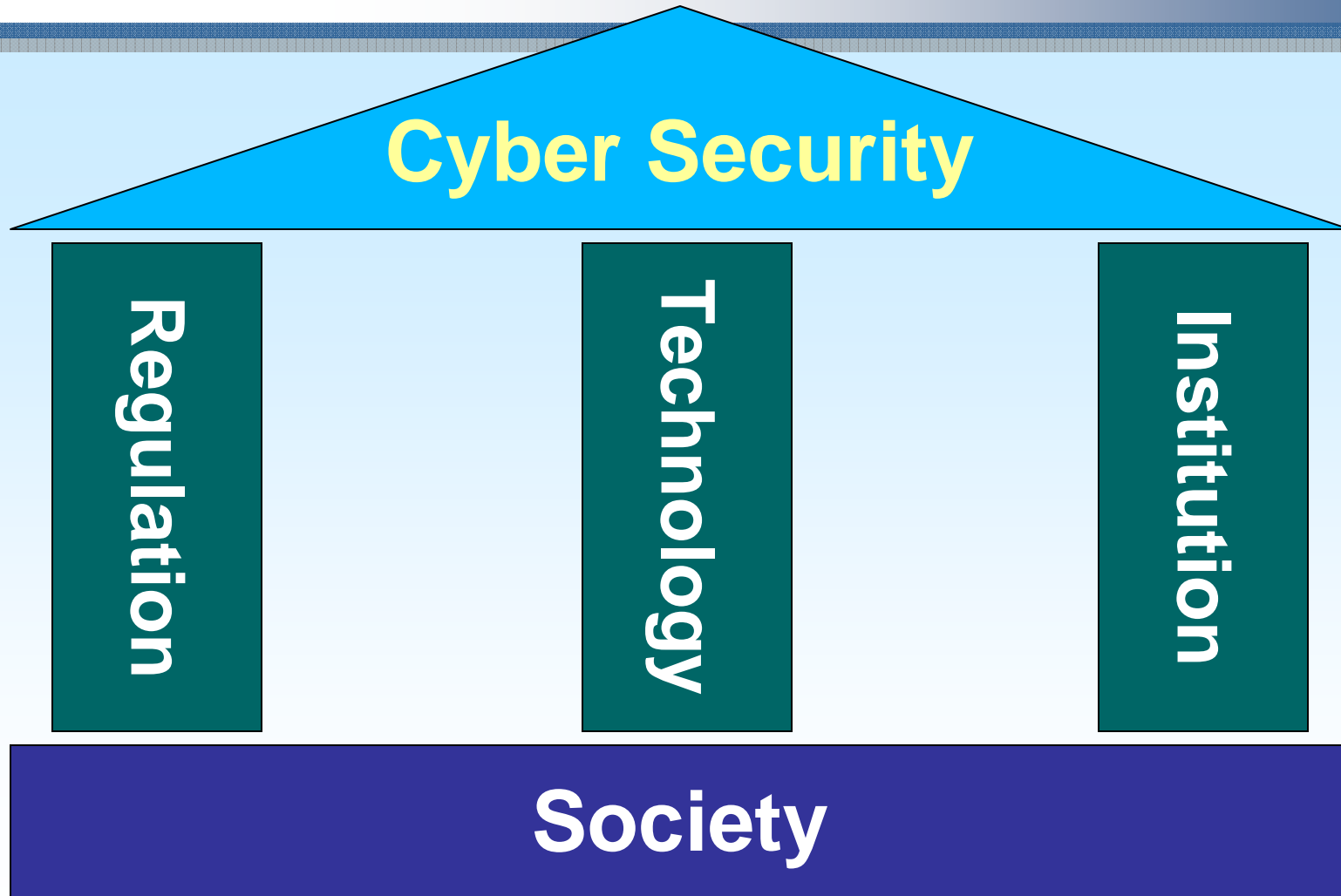


Strategic Roles of Internet Security

- Promoting and maintaining public trust to the value of internet
- Public distrust will backfire to the development and utilization of internet for the benefit of human live



Ingredients of Cyber Security Building





Requirements for cyber security

Requires **Readiness** instead of **Response-ness**:

- Technology and Infrastructure Readiness
- Socio Readiness
- Institutional Readiness
- Regulation Readiness



Technology and Infrastructure Readiness

- Telco infrastructure need to be upgrade to introduce convergence application to expand capacity of access and backbone in several cities: Palapa Ring Project, USO Project.
- Applications Project for cybersecurity:
 - Internet Sehat and Aman project (content filtering, anti phishing, anti malware, anti virus, spam blocker, content filtering for home/family/personal users, school etc.
 - Research on honeypets and the development of national honeynet system
 - Malware analysis laboratory development
 - Internet data mining and web forensics



Socio Readiness

- Communicate the roles and responsibilities of society in a simple way to make other stakeholders understand the importance of cyber security
- Published the CERT/CSIRT (ID-SIRTII) profile to all constituents by using different media channels that reach as many communities as possible within the large archipelago of Indonesia
- Build intensive communication with respected stakeholders and constituents



Regulations Readiness

- Telecommunication Law
- Electronics Information and Transaction Law (EIT)
- Ministerial Decree on IP infrastructure security (establishing CSIRT/CC):IDI-SIRTII
- Preparation of Cyber Crime Bill
- Preparation of Government Degrees related to Electronics Information and Transactions



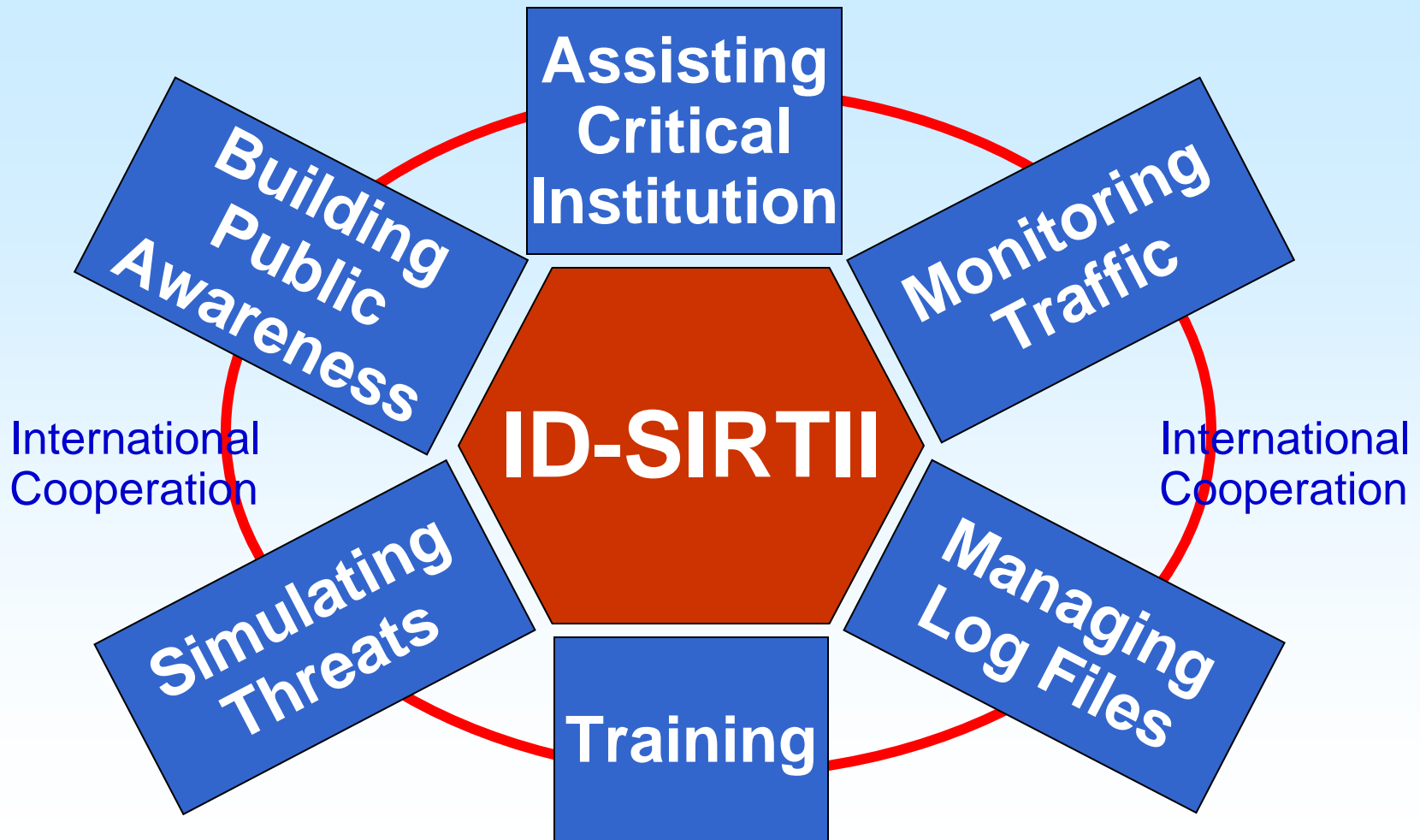
Electronics Information and Transaction Law

- Provides the legal basis for information and electronic transaction in Indonesia, consist of: digital signature, digital certification, electronic transaction, protection of digital Intellectual Property Right, list of act against the law, and dispute resolution
- Provides the tools for Indonesia law enforcer to conduct legal enforcement specifically in the field of information and electronic transaction
- Proof to the world community, that Indonesia is serious against cyber crime



Institution Readiness

ID-SIRTII: Indonesia Security Incidence Response Team on Internet Infrastructure





Global and Regional Collaboration

- Sharing policies and laws
- Global awareness
- Standard and guidance
- Capacity building
- Cooperation and coordination in preventing and overcoming global cybercrime



DEPARTEMEN KOMUNIKASI DAN INFORMATIKA
REPUBLIK INDONESIA
Mempujs Masyarakat Informasi Indonesia

Terima Kasih
THANK YOU