



JICA Technical Cooperation

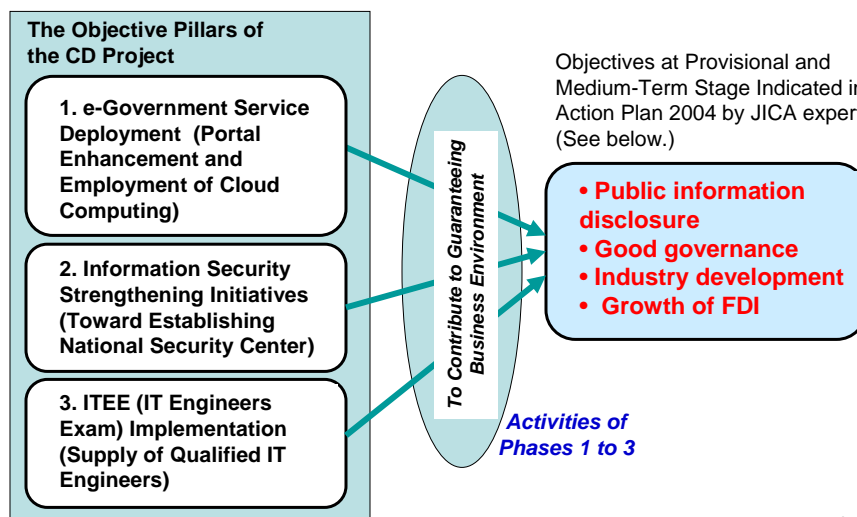
Capacity Development on ICT Management at NiDA

*A Comprehensive, Perspective and Sustainable Approach
to Enhancing Functionality of NiDA to Provide Effective and
Secure ICT Services in Cambodia*

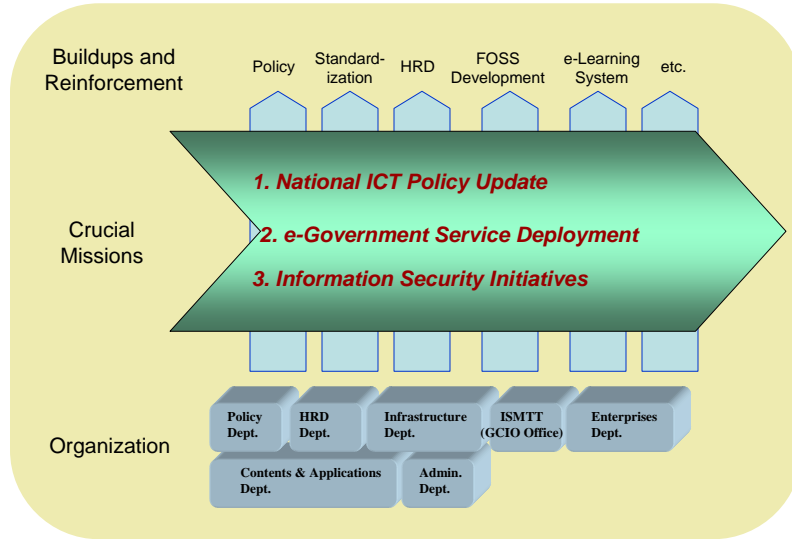
January 14, 2010

Dr. PHU Leewood
Secretary General
National ICT Development Authority

The Logic of Capacity Development Program for NiDA

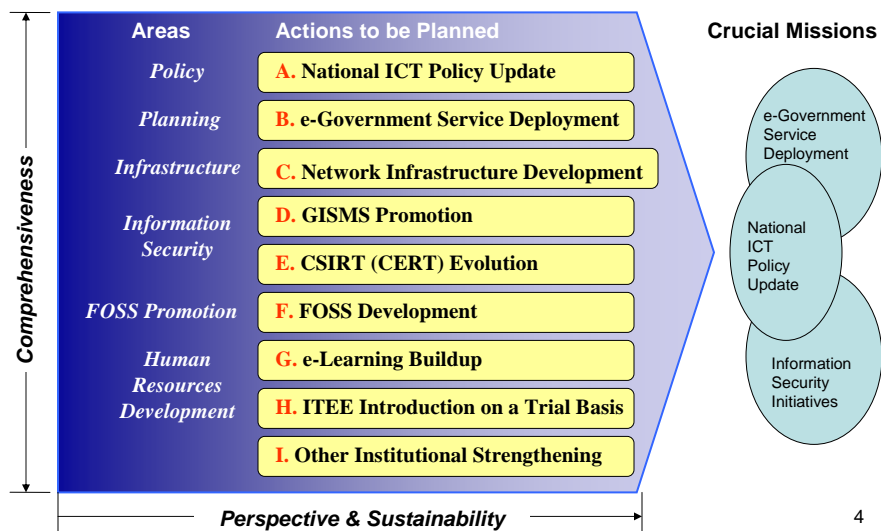


Missions of NiDA



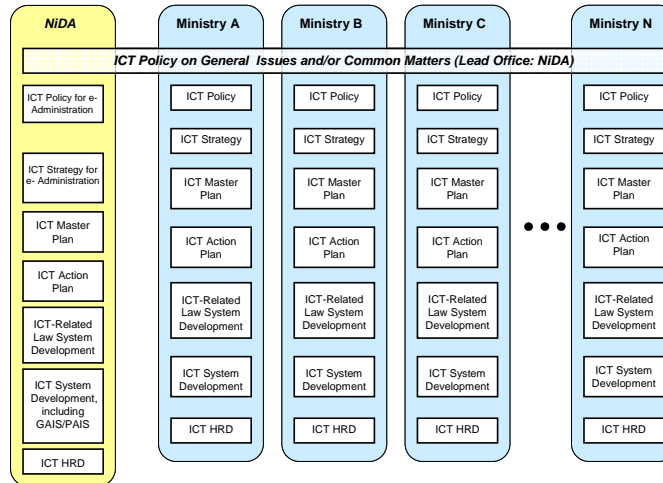
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Expected Actions for ICT Development at NiDA



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Structural Aspects of e-Government Development at Each Ministry



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Policy Proposal for the Government of Cambodia for Drafting National ICT Policy

Policy Pillars and Coverage

ICT Policy 2015 shall be incorporated with the following:

1. ICT Framework

- 1.1 Develop a national ICT legal and regulatory framework to ensure a national economic and social stimuli.
- 1.2 Develop measures to achieve the e-ASEAN Framework Agreement, as well as to ensure efforts to keep pace with the ASEAN level of ICT technology through the promotion of a national ICT innovation.

2. ICT Service

- 2.1 Improve government services through the application of ICT
- 2.2 Support the use of ICT in the private sector and the growth of e-commerce
- 2.3 Encourage the growth of a national ICT industry and its links among the ASEAN region

3. ICT Infrastructure

- 3.1 Develop a reliable national ICT infrastructure

4. ICT Development

- 4.1 Enhance the level of ICT literacy among the population
- 4.2 Develop regionally competitive ICT experts and ICT savvy human resources
- 4.3 Support WID (Women in Development) in the ICT Sector

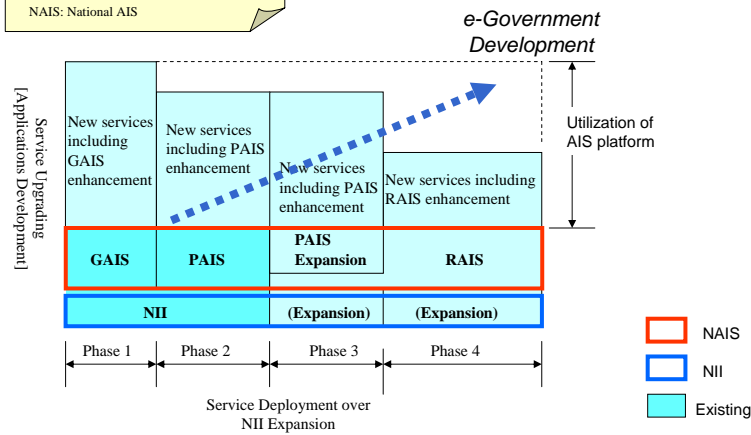
5. Commitment to Global Issues

- 5.1 Encourage an awareness of ICT as a tool for fighting global warming

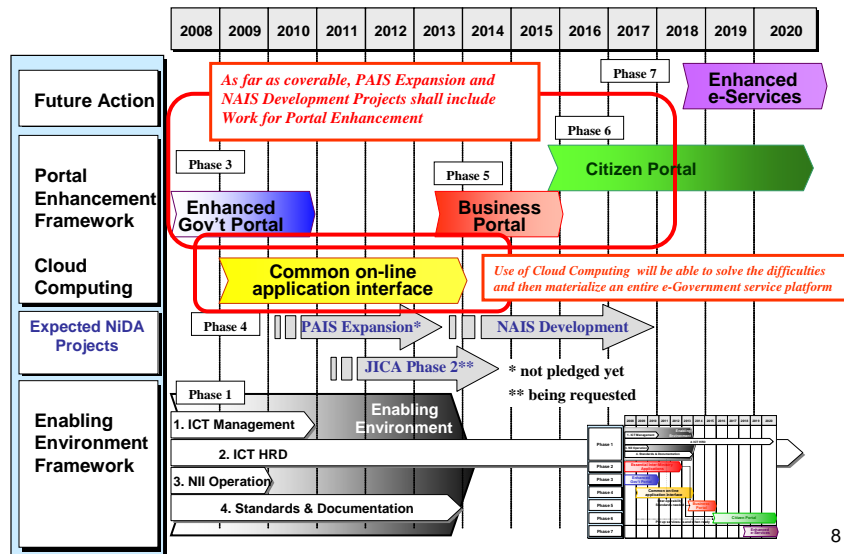
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e-Government Service Deployment Concept Based on NAIS/NII Platform

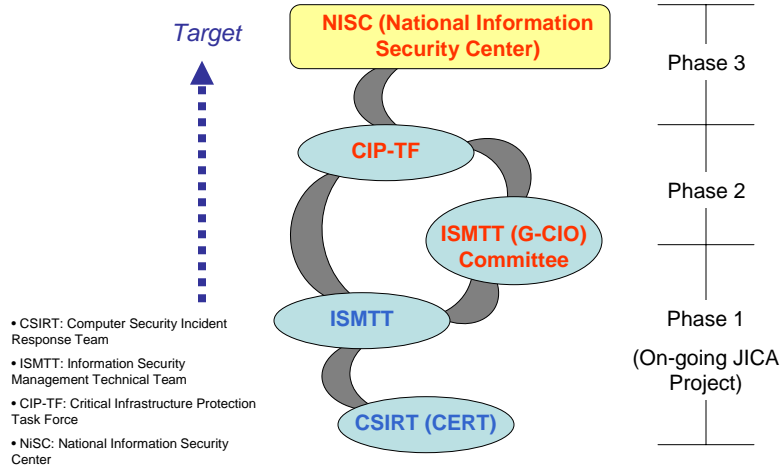
AIS Platform Deployment:
GAIS + PAIS 1/2 + RAIS → NAIS
 GAIS: Government AIS (Core)
 PAIS 1: Provincial AIS (10 provinces)
 PAIS 2: Expansion of PAIS 1 (14 provinces)
 RAIS: Rural AIS
 NAIS: National AIS



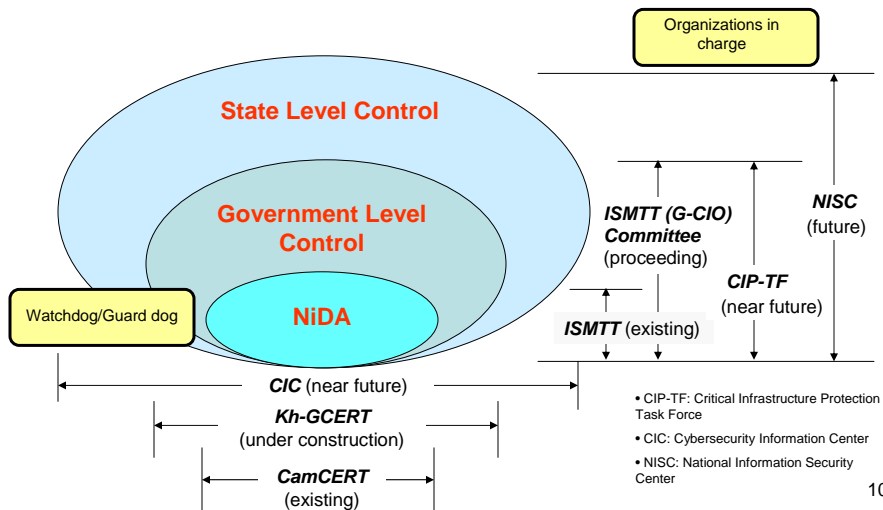
The Idea on Materializing e-Government Project at NiDA



Information Security Strengthening Program toward Establishing NISC

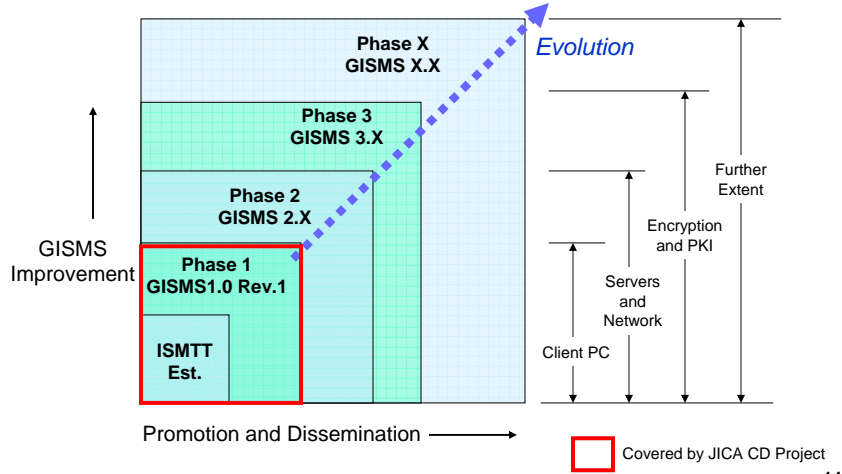


Information Security Strengthening at RGC Considering Transition



Evolution of GISMS

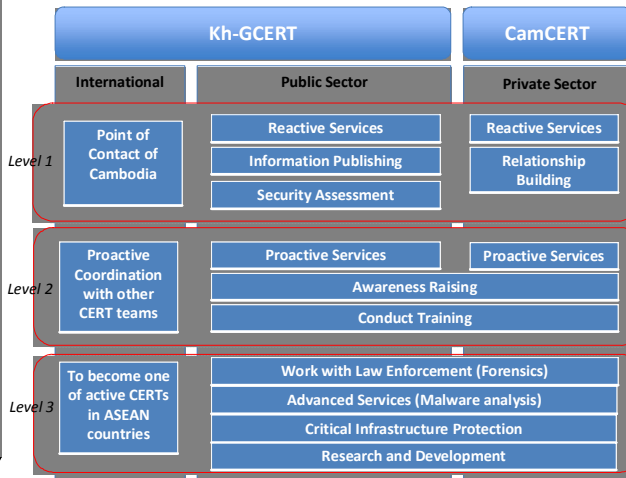
GISMS: Government Information Security Management System
 ISMTT: Information Security Management Technical Team of NiDA



CSIRT (CERT) Evolution

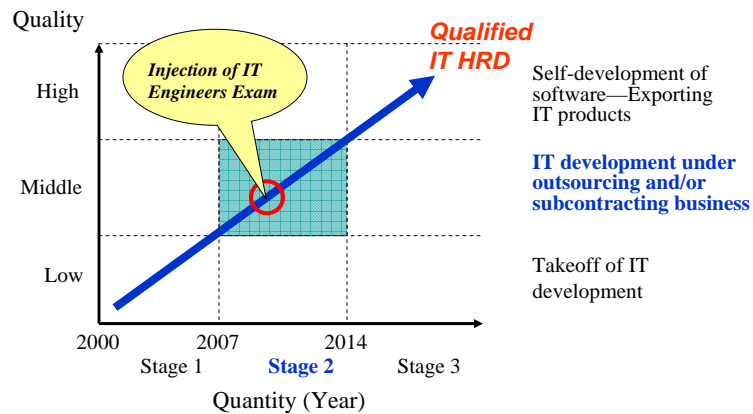
CSIRT Functions

- Initiative for critical infrastructure protection
- Coordination with international CERTs
- Study on digital forensics
- Enhancement of capability of analysis of malware and/or virus
- Information security training for business people
- Information security awareness raising for end users
- Coordination with law enforcement to fight against cybercrimes
- R&D on information security, including development of tools and systems
- Operate GSOC (Government Security Operation Center) in the future



A Need of Qualified IT HRD (Background of ITEE Implementation)

Where your IT development is advancing ?



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A Need of Qualified IT HRD (Actions for Substantial ITEE Implementation)

1. Establishment of Implementing Organization (CITEC) for IT Engineers Examination (ITEE)
CITEC: Cambodia IT Engineers Examination Center
2. Preparation of educational materials in Khmer language
3. Preparation of ICT glossary (NiDA version 1.0)
4. Starting a study on ITSS (IT Skill Standard)

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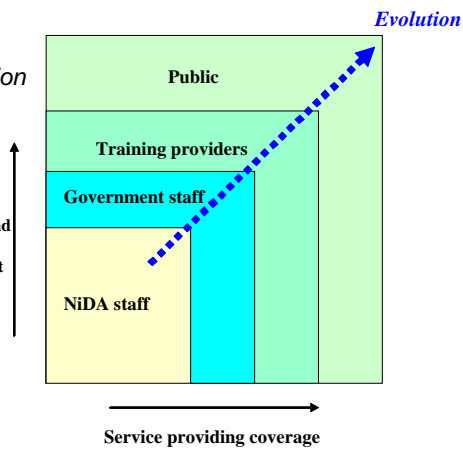
e-Learning Development at NiDA toward Building up e-Tech College

Keys to be Considered by NiDA:

- Learning management
- Contents development
- Lateral spread to any organization

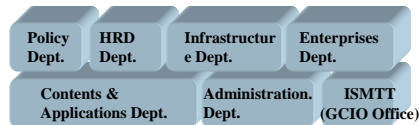
Variation

- Registration category
- Course registration and enrollment
- Learning management
- Course design
- Tuition fee



Reinforcement of the Organization by Taskforces

The Existing Organization



Institutional strengthening of NiDA shall always be the top action agenda, on behalf of RGC in ICT field, being ready to serve as civil servants, with users eyes, pursuing efficiency and effectiveness in service, considering sustainable development of NiDA.



Main Activities of the 6 Taskforces

- 1) **Public Relations Taskforce Team**
 - To promote utilization of PAIS/NII platform by other ministries, authorities and organizations, including seminars, publications and campaigns
 - To publicize activities, roles and outputs of NiDA to the public and other organizations.
- 2) **Skillpath Strengthening Taskforce Team**
 - To build up a unified Personnel Resource Management Scheme, utilizing e-Learning system, etc.
 - To study skillpath method for personnel management
 - To realize person-to-person skillpath development management for NiDA personnel.
- 3) **Planning Taskforce Team**
 - To maximize effectiveness and efficiency of work of NiDA with minimum costs, planning is indispensable and essential.

Especially, planning for next project(s) is important in order to make it clear what is scope of work of the project(s), taking into account benefit of the project implementation.
 - To prepare planning tools step by step
- 4) **O&M Strengthening Taskforce Team**
 - Since NiDA now possesses PAIS/NII, a kind of national ICT resource, constructing proper O&M structure is essential. It is required to study and construct a suitable O&M structure based on the result considering sustainability of PAIS/NII platform.
- 5) **Cyber Law Study Team**
 - To study roles of NiDA in connection with cyber law development, including digital forensics, toward present and future information society of Cambodia.
- 6) **ICT Glossary Preparation Team**
 - It is the time that NiDA should prepare a Glossary for ICT Technical Terms as its own version so that not only NiDA personnel but also other government officials will be benefitted from the glossary.

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Thank you for your cooperation

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www.nida.gov.kh

www.cambodia.gov.kh

leewood_phu@nida.gov.kh

+855 1 leewood