



Policy Issues: National ICT Policy in Thailand

By

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Presentation Outline

- Roadmap for e-Government in the Developing World
- Information Society indicators of Thailand
- National Information Technology Committee
- IT2000 – The first National IT Policy
- IT2010 = IT Policy Version 2.0
- Thailand's e-Government Project Overview

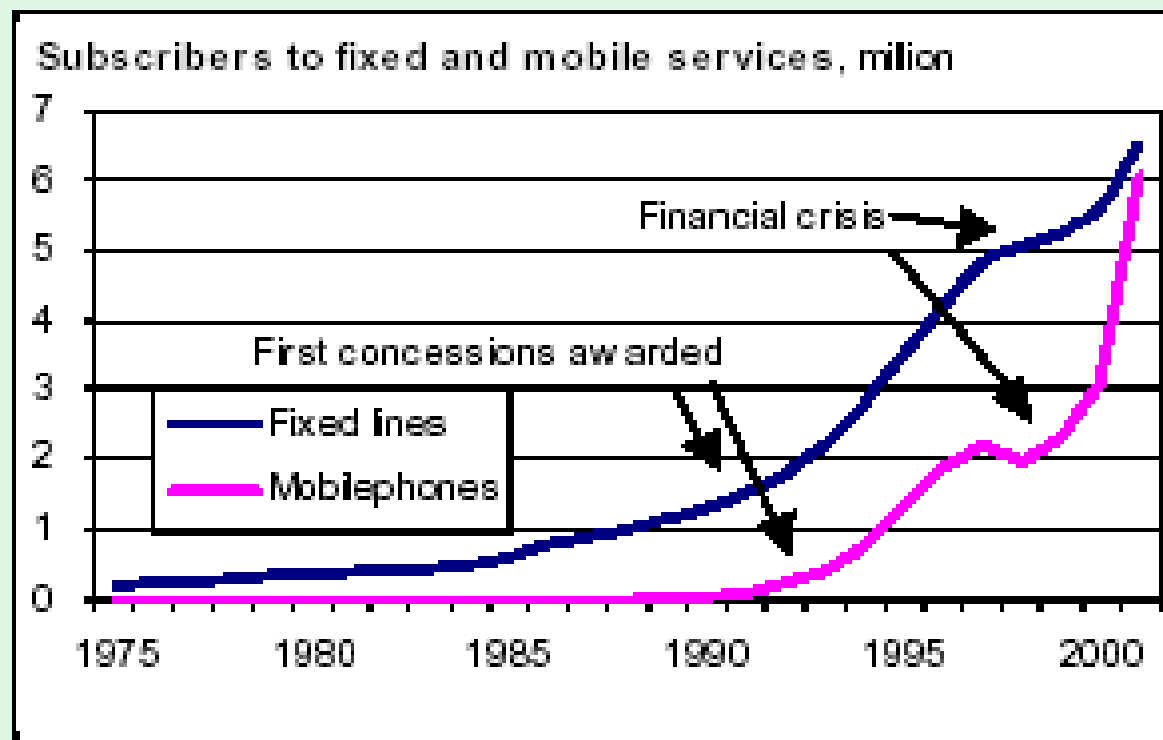
Roadmap for e-Government in the Developing World*

10 Questions E-Government Leaders should Ask Themselves

- Why are we pursuing e-Government?
 - Do we have a clear vision and priorities for e-government?
 - What kind of e-government are we ready for?
 - Is there enough political will to lead the e-government effort?
 - Are we selecting e-government projects in the best project way?
 - How should we plan and manage e-government project?
 - How will we overcome resistance from within the government?
 - How will we measure and communicate progress? How will we know if we are failing?
 - What should our relationship be with the private sector?
 - How can e-government improve citizen participation in public affairs?
-
- By the Working Group on E-Government in the Developing World, April 2002. Published by the Pacific Council on International Policy.
 - Contact egovt@usc.edu for further information

Information Society Indicators of Thailand

	<i>As of June 2002</i>	
Area	505,344	sq.km.
Population	62.6	people
Capital City	Bangkok	
Currency (1 USD=42 Baht)	Baht	
Fixed-line telephone subscribers (Aug 2001)	6.5	million subscribers
Mobile phone subscribers (Aug 2001)	7	million subscribers
Internet Users (2001)	3.5	million people
GDP 1999 est.	388.7	bn USD
GDP per capita 1999 est.	6,400	USD



k Koanantakool, July 3, 2002.



Policy Development



eIndustry e-Government e-Society
eCommerce e-Education

National ICT Masterplan
2002-2006

IT 2000 Policy

IT 2010 Policy

National IT Committee (founded 1992)

NITC/Ministry of ICT

^1992 ^1993 ^1994 ^1995 ^1996 ^1997 ^1998 ^1999 ^2000 ^2001 ^2002 ^2003 ^2004 ^2005 ^2006

Introduction of Internet

Software Park Thailand

Software Industry Promotion Agency

SchoolNet

Government Information Network

Government CA Service

Government CIO Program

E-Commerce Resource Center

IT Law Development

Electronic Transactions Act

NII, CompCrime, DP Acts

e-Thailand

e-Government Project

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ก ท ส ข
N I T C

The National Information Technology Committee



- High-level policy body chaired by the Prime Minister.
- Established in 1992
- Members comprise of executives from relevant public and private sector.
- Develop Policies and Plans on ICT:
 - Creating the Digital Opportunity
 - Ensuring the proper modernization (IT Laws)
 - Forging the Knowledge-based Society
 - Infrastructure for e-Government
 - Infrastructure for the national economy
 - IT2000 Policy in 1995, IT 2010 Policy in 2001.

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IT2000 – The first National IT Policy



- **Cabinet approval in February, 1996.**

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IT2000 –

The First National IT Policy

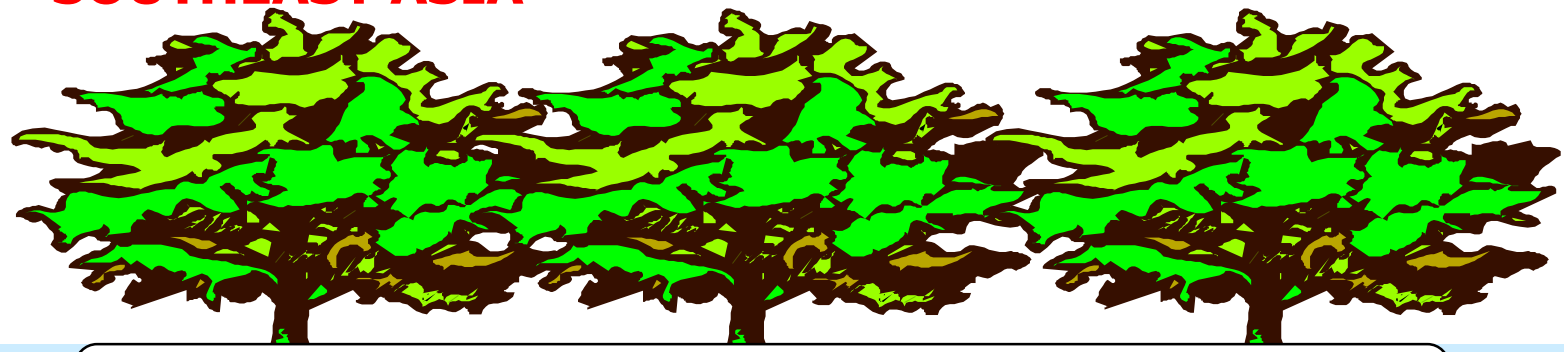


Cabinet approval in February, 1996.

**SUSTAINABLE
ECONOMIC
POWER IN
SOUTHEAST ASIA**

**SOCIAL EQUITY
&
PROSPERITY**

**ENVIRONMENT
FRIENDLY
SOCIETY**



IT-ENABLED THAILAND

**NATIONAL
INFORMATION
INFRASTRUCTURE**

**HUMAN
RESOURCE**

**GOOD
GOVERNANCE**

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What have been achieved under IT2000?

Examples:

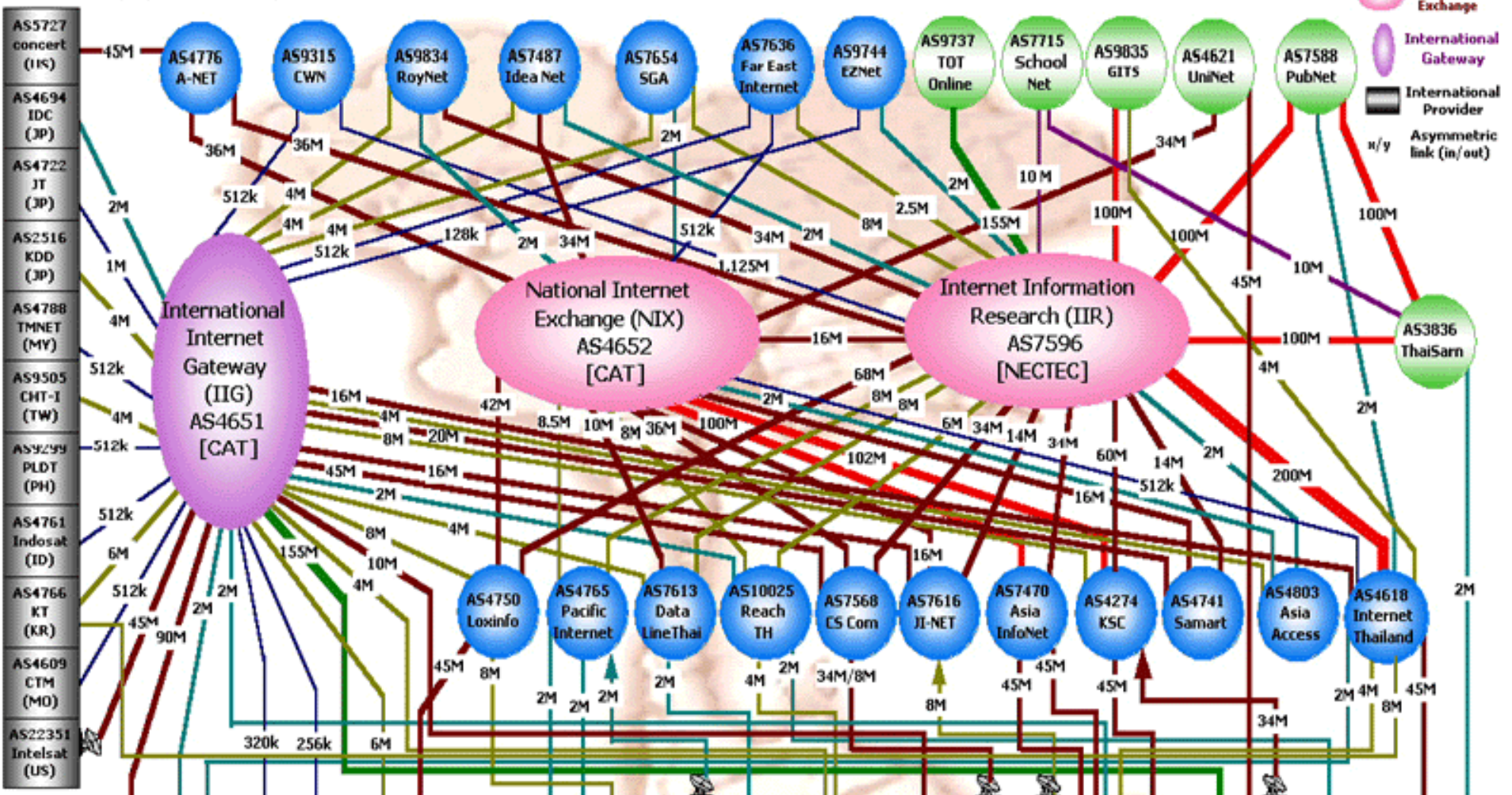
- National Internet Exchanges
- SchoolNet Thailand
- Government Information Network (GINet)
- Development of Legal Infrastructure

Internet Connectivities in Thailand (June 2002)

Total International bandwidth :
750.556 Mbps (into Thailand) and
680.556 Mbps (out from Thailand)

<http://www.nectec.or.th/internet/map/>

- Academic/ Research/ Government
- Commercial
- Domestic Exchange
- International Gateway
- International Provider
- Asymmetric link (in/out)



AS701 UUNET (US)	AS4774 Abone (JP)	AS9874 Starhub (SG)	ETL (LAO)	AS7473 SingTel (SG)	AS4628 Pacific Internet (SG)	AS3561 C&W (US)	AS11919 Orion (US)	AS2914 NTT (JP)	AS4637 Reach (HK)	AS10207 ThaiCom (TH)	AS9881 ThaiCom (HK)	AS3786 DACOM (KR)	AS7018 AT&T (US)	AS6453 TeleGlobe (US)	AS2907 NII (JP)
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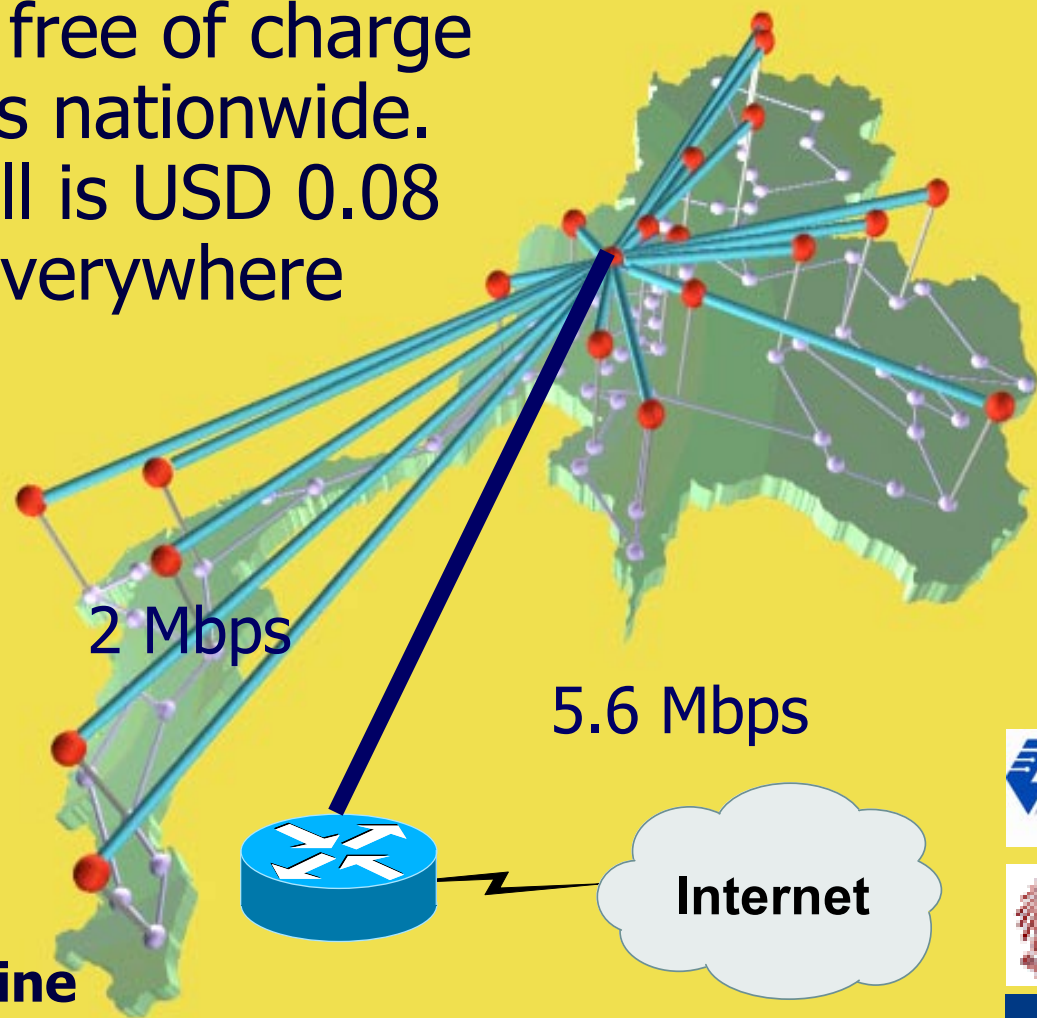
DISCLAIMER

This chart is designed, maintained and copyrighted by Chatchai Chan-In, Kkbya Sringamphong and Thaweesak Koanantakool NTL, NECTEC. All rights reserved. The information contained in this chart is based on actual measurements and estimation. We welcome update information, but reserve the rights to verify the accuracy of the given information. Please contact us at netadmin@ntl.nectec.or.th. For authoritative information please contact Communications Authority of Thailand.



Chart Date: 2002-06-01

SchoolNet Access is available free of charge to schools nationwide. Phone call is USD 0.08 per call everywhere



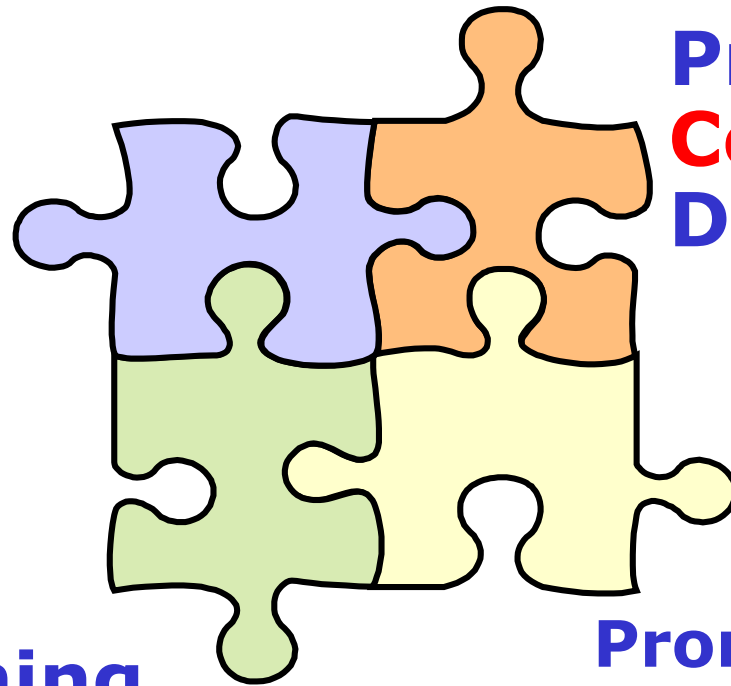
4,300 Schools are now online

5,000 Schools online By the end of 2002



**Awareness
Creation**

**Provision of
Network
Access**



**Promotion of
Content
Development**

**Training
of
Teachers**

**Promotion of
Classroom
Activities**

โปรแกรมเครือข่าย SchoolNet@1509 ได้รับการยกย่องจาก UNDP - Microsoft Internet Explorer

Back Forward Stop Home Search Favorites History Print Copy Paste Address http://www.school.net.th/undp.html Go

Links Best of the Web Channel Guide Customize Links Free Hotmail Internet Start Is Your Operating System Genuine

File Edit View Favorites Tools Help



หน้าการศึกษา

รายชื่อโรงเรียน

บริการให้คำปรึกษา

กิจกรรมในโครงการ

We are cited in the UNDP Human Development 2001!!

SchoolNet News

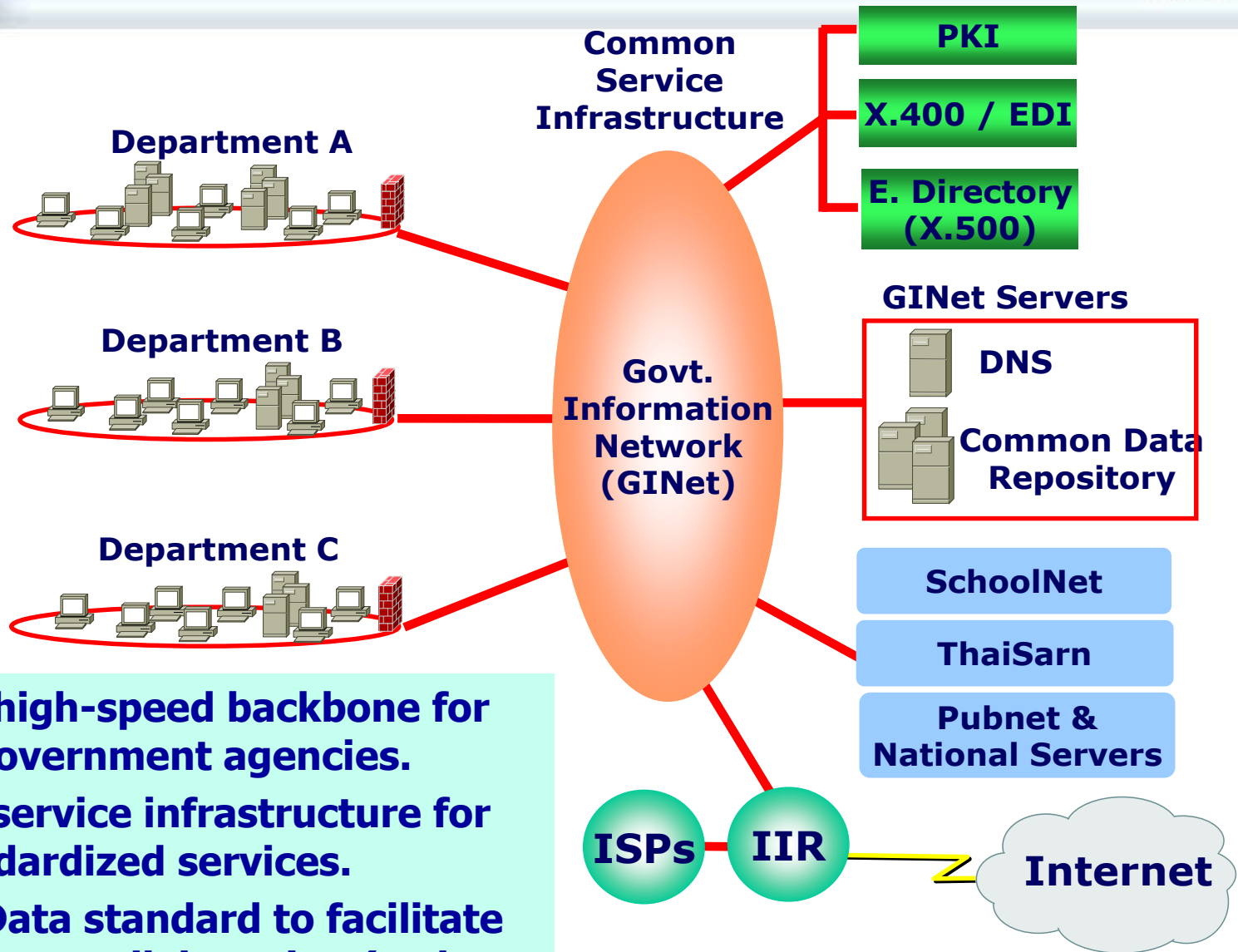


โครงการเครือข่าย SchoolNet@1509 ได้รับการยกย่องจาก UNDP

United Nations Development Programme (UNDP) กล่าวยกย่องในรายงานการพัฒนา ด้าน ทรัพยากรบุคคล 2001 (Human Development Report 2001) ที่หน้า 87 ว่าโครงการเครือข่าย คอมพิวเตอร์เพื่อโรงเรียนไทย SchoolNet@1509 ของ

Start Internet 17:13

Government Information Network



A common high-speed backbone for every government agencies.

A common service infrastructure for standardized services.

A common Data standard to facilitate inter-ministry collaboration (web services).

and, Thaweesak Koanantakool, July 3, 2002.

AFEC High Level Symposium on e-Government, Seoul, Korea, 3-4 July 2002

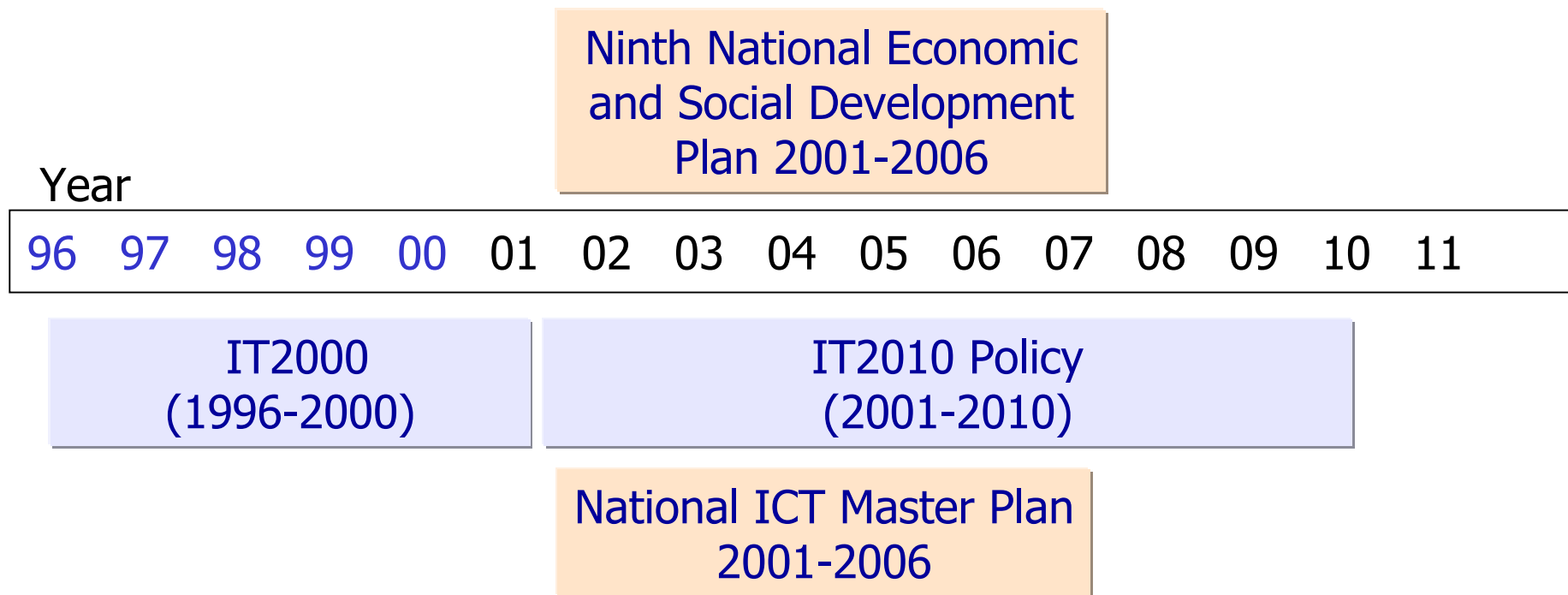
- Electronic Transactions Act
(with electronic signature)
- National Information Infrastructure Law
- Computer Crime Law
- Data Protection Law
- Electronic Funds Transfer Law

From IT2000 to IT2010

- NECTEC + Policy Innovation Center at KMUTT joint research
- Issues considered:
 - analysis of impacts and lessons learned during IT 2000 implementation,
 - current situation in both IT production (IT industry) and IT consumption in various sectors in the country, policy development in other countries to understand the global trend, and
 - issues which are relevant to future development of the country, as specified in the Ninth National Economic and Social Development Plan and the recent development of the 'e-Thailand' initiative.



Timeline for IT2010 and the five-year National ICT Master Plan





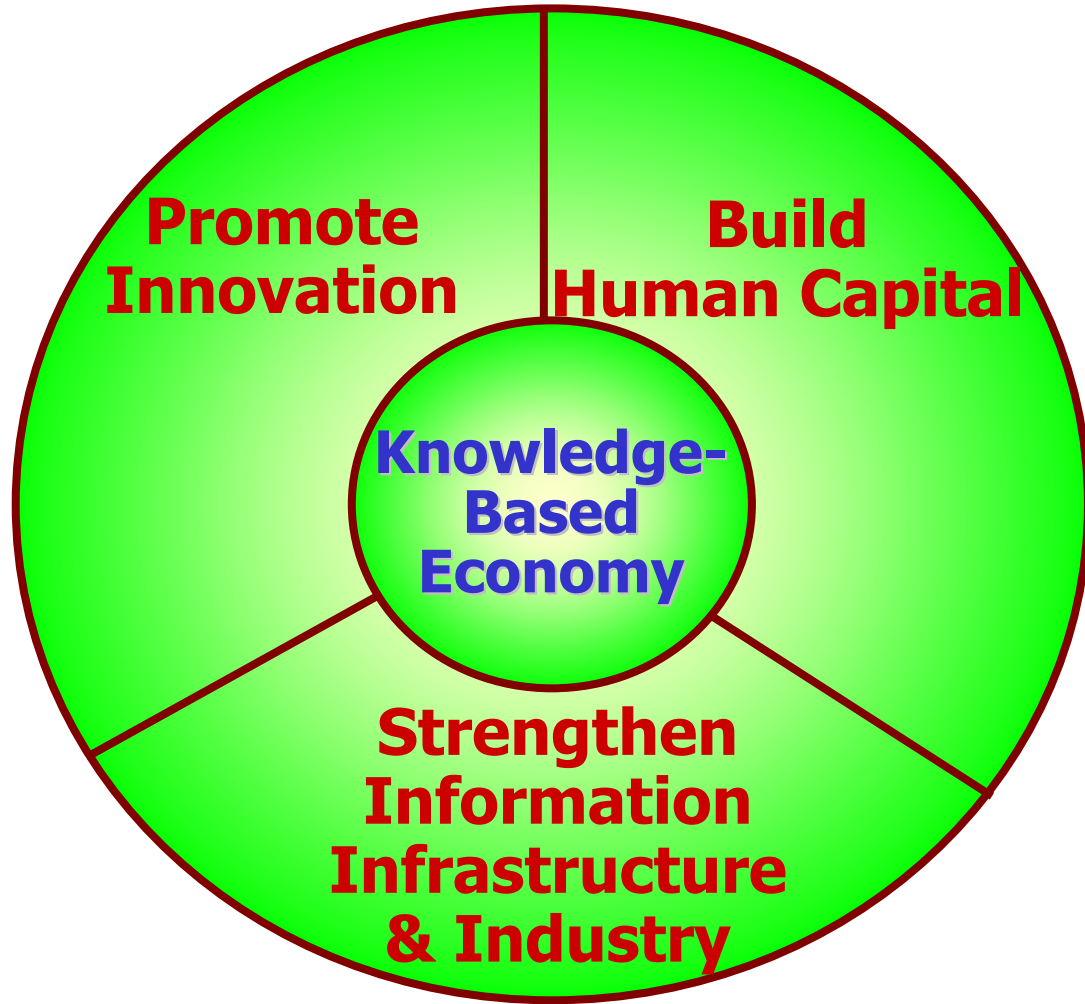
IT 2010's Specific Goals

Three specific goals based on Technological and Social Indicators

- Move from “Dynamic Adopters Group” to “Potential Leader Group” by 2010
(classified in “Technological Achievement Index” of UNDP)
- Increase proportion of “Knowledge Workers” from 12% (in 2001) to 30% by 2010
- Increase the share of “Knowledge-Based Industries” to 50% by 2010
(within the overall economy)



IT2010 = IT Policy 2.0



Towards the Knowledge-Based Economy and Society

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ICT Development Program: Flagships and Infrastructures in IT2010



Economy

Society

**e-Industry
e-Commerce**
services/agriculture/
and tourism

e-Government

**e-Society
e-Education**

Science and Technology, R&D, Knowledge

Information Development, IT Literacy, IT HR

Telecommunication Infrastructure



Key to Success

1. creation of useful contents and knowledge;
2. Developing human capacity
3. Closing the Digital Divide;
4. Clear-cut leadership mechanism; and
5. Linking the policy with the operations of the National IT Committee, NTC, and NBC.



1. Giving priority to information, contents and knowledge

Information, contents and knowledge must receive priority over, or at least not less than, investment in basic infrastructure, tools, equipment and materials.



2. Develop Human Capacity on a Continual Basis

Development of human resources and personnel must be carried out on a consistent/continual basis, at all levels of education: formal, non-formal, and voluntary education system.



3. Closing the Digital Divide

Reduction of social disparity and lack of opportunity deriving from development of information technology, known as the "Digital Divide" by creating "Digital Opportunity" for the Thai population.

4. *Creating a clear-cut leadership mechanism in National ICT*



- Prime Minister to lead NITC by himself
- NITC supported by ICT Policy Office
- ICT Operations Support Office
- Coordination among ICT Policy Office and ICT Operation Support Office
- Participation from all government agencies



***5. Linking the policy with the operations
of the NITC, NTC, and NBC.***

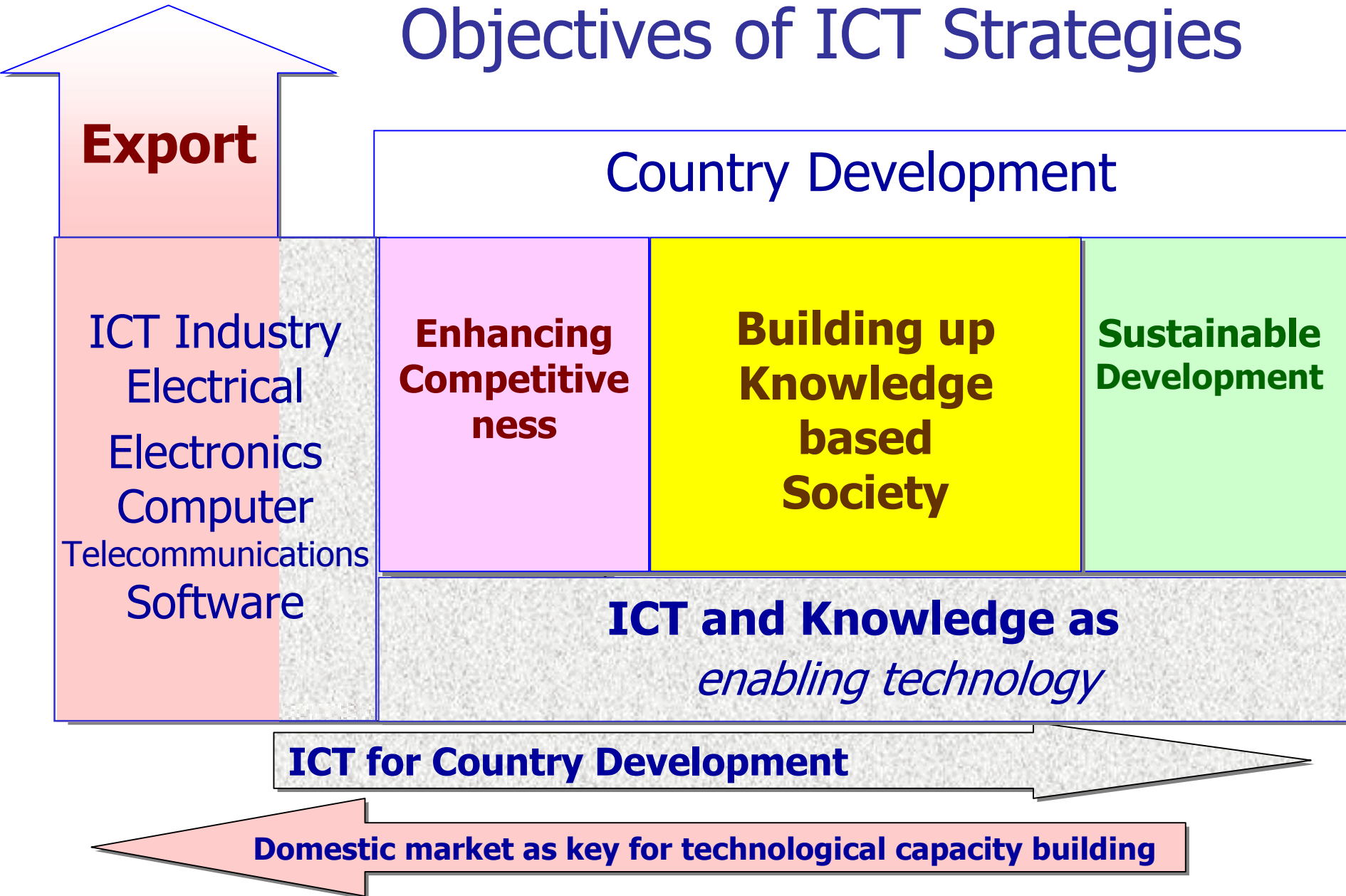
*Establish the link between the policies and operations of the **National IT Committee** with the **National Telecommunications Committee** and **National Broadcasting Committee** in order to make the most of ICT convergence.*



The Way Forward

- Prime Minister actively involved in ICT Development Plan
- National ICT Plan in July 2002.
- Ministry of ICT is emerging

Objectives of ICT Strategies





Thailand's e-Government Project Overview

Approved by the Thai cabinet in 2001.

E-Government Roadmap



eIndustry e-Government e-Society
eCommerce e-Education

National ICT Masterplan
2002-2006

IT 2000 Policy

IT 2010 Policy

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NITC/Ministry of ICT

^1992 ^1993 ^1994 ^1995 ^1996 ^1997 ^1998 ^1999 ^2000 ^2001 ^2002 ^2003 ^2004 ^2005 ^2006

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e-Government Project (A Multi-Agency Project)

- **NECTEC** -- Core Implementing/coordinating Agency, Monitoring and evaluation.
- **Bank of Thailand** -- Project Sponsor (Governor) and contributor of some project team members.
- **Key related public agencies** – Co-Sponsors (CEO), and contributor of some project team members.
 - Office of the Civil Service commission
 - Bureau of Budget
 - National Economic and Social Development Board
 - Office of the Prime Minister
- **Project Duration** -- March 2001 - March 2003

Project Team's Objective

- Establish framework for e-Government
 - Public services
 - Government management administration
 - Interoperability between government agencies

“Red-tape reduction, Rapid response, Rural coverage, Round-the-clock”
- Set up Master Plan, Action Plan, and Strategic Framework
- Select, Encourage, Facilitate, and Evaluate agencies' Pilot Projects

“Think BIG, Start SMALL, and Scale FAST”

Four main tracks of Pilot Project's Services

Track 1. Information Services

Standard online information services to public, business sectors, and government sectors

Track 2. Transaction Services

Online services: car registration renewal, taxation, business registration,...

Track 3. Payment Gateway

Financial management gateway for government and business sectors

Track 4. E-Procurement

Electronic Procurement for government sectors



Leading Projects

Track 1. Information Services

- Online Economical Information (e-Economics)
(National Economic and Social Development Board)
- Online Information for Investment and Industrial Linkages (e-Investment)
(Office of the Board of Investment)
- National Statistical Information (e-NSO)
(National Statistical Office)
- e-Parliament
(Secretariat of the House of Representatives)

(G2G) (G2C) (G2B)

Track 2. Transaction Services

- Online Citizen Registration (e-Registration)
(Department of Local Administration)
- Online Company Registration
(e- Company Registration)
(Department of Commercial Registration)
- Electronic-Counter Service (e-Services)
(Communications Authority of Thailand
and Office of the Civil Service Commission)

(G2C) (G2B)

Track 3. Payment Gateway

Payment of VAT return

- Income Tax / Corporate Tax filing
(Revenue Department with commercial Banks)

Government payment for e-Purchasing

- Ministry of Finance with Krung Thai Bank

(B2G) (C2G)



Track 4. E-Procurement

(G2B)

- Provision of online information on procurements by public agencies
- Government participating in the e-Commerce activities

Key Agencies:

- Office of the Prime Minister
- Office of the Auditor General
- Commercial e-procurement marketplace/exchange



*Thank you
for your
attention.*

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www.nitc.go.th

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