

LAO PEOPLE DEMOCRATIC REPUBLIC



ICT infrastructure

4 Tele communication operators

5 / 17 provinces : Fiber optic Network connect cap

May 2003 - 72.235 Fix phones (3 op Operators)

76 pers / 1 phone

- 300 public phones (only big cities)

- 106.951 Mobile subscribers

- 10.000 PC (550 pers / 1)

growth 30 PC / month

2005 expected 50.000 PC

Public sector : Most of Ministries :PC = Typing

Start: Wireless System & Optic fiber

Lao PDR ranking the 189th in term of World IT

- The Last of ASEAN to establish full internet connection
- Largely disconnected from transnational cyberspace
- Poor infrastructure
- Service & equipment : High price
- Most of services for Foreigners & big companies
- Low service quality
- Lack of local manual and Hand book
- Lack of content in Lao Language

Development index

Description	2000	2001	2002	2003
Local ISPs	2	3	6	7
Internet Caf•	11	30	60	200
Subscriber user	1934	2482	2900	3800
ISP services fees	2\$ /h	1.5\$/h	1\$ /h	0.5\$ /h
Caf• service fees	0.05\$ /m	0.03\$ /m	0.01\$ /m	0.008\$/m
Bandwidth	256k	1M	2M	5M

ICT Education :

Formal Education related to IT only at tertiary level

- No IT education for Primary & High schools (except in some private schools)

NUOL and Private colleges : Bachelor degree of computer science

Non - IT faculty : 40-80 hours computer literacy


Private vocational centers:

very popular among students:

80-120 hours computer literacy

≈ 100 people / month

1200 / year only



2. Inadequate possible Centers for E - learning :

NUOL : faculty of Engineering

STEA : information Technology
center

Problem: Equipment

Content

(Curriculum)

Staff

Private seem to be more
effective



Government

Project on formulation e-policies & e-strategies in process for 2004

- 4 / 2003 APDIP program:

Strengthen national capacities for new ASEAN members in the formulation of National e - policies & e-strategies under south - south cooperation principles and e-AEAN framework

Smart school pilot project:

- PC & internet installation at 2 High school :
Vientiane - Champasak familiarize students with IT



Outside stakeholder & Donors

- UNDP
- Thailand (Internet Lao PDR - Thailand Project)
- IDRC (National Internet Exchange Gateway)
- SIDA (National Internet Exchange Gateway)



Infrastructure Building

- formulate National ICT policy & master plan
- Conduct the IT research and Development
- Provide the training for IT engineers trainers and government officers
- develop the IT standardization and management
- Operate the government's ISPs and National Internet Exchange Gateway
- Provide the consultation and other IT service
- receive assistance from regional and



Networking Sector

- National Internet Gateway System
- ISP for the Government organizations
- National Internet Exchange gateway
- Internet Lao-Thailand Network
- STEA's Local Area Network



Research & Development Sector

- Open source laboratory (assistance from Franco phone organization)
- project on building Urban - Rural Digital link (Assistance from International Development Research Center)
- + Upgrading the National Internet Gateway system
- + Provide Internet access for National University of Lao PDR
- + Provide Internet access for Luangprabang Governor office
- + Establish a Multi-purpose Tele-Center in



E- learning Need Assessment

- Only 15% High school graduates go on their Tertiary education
 - Public sector welcome 8%
 - Private sect welcome 7% (300-350\$ /year)
- GDP 300\$ / person (Capital Vientiane 887 \$)
- so far 100% of Master + above got their diploma abroad
(Some Master degree just begin within the country)

2004 From where to start ?

Public and Private sector

- Public awareness (Gov + Private organize individual)
 - + Campaign : Awareness Revising
 - + Focus on a certain No of Learners
- Seminar (Like E - Commerce)
- Study Tour



Resources

- Curriculum Developer
- Trainer

Physical Resource

Equipment PC +

Financial Resource

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