



ICT & e-Government in Laos

Mrs. Kesone SOULIVONG

Deputy Director General of E-Government Center

Ministry of Post and Telecommunications

kesone@mpt.gov.la







Outline

- ICT Development
- Constrain and Barrier for Development
- Policy and Regulation
- Activities to Support Policy Implementation
- E-Government Master Plan
- E-Government Center







Infrastructure



ເຄືອຄ່າຍເສົາ BTS ຂອງເສົາໂທລະຄົມທັງໝົດ4ບໍລິສັດ
BTS 4G BTS 3G
BTS 2G
ແຫຼ່ງຂໍ້ມຸນ: ກົມແຜນການແລະການຮ່ວມມື,ກະຊວງ ປທສ.

	Unit	2013	2014	2015	2016
FSC	Place	95	255	259	182
MSC	Place	12	12	12	12
BSC	Place	32	38	44	40
BTS	Site	7,154	6,527	6,776	6,776
OFC	KM	51,106	60,813	67,351	70,948
Internet bandwidth	Mbps	1,550	2,800	37,690	62,608
Coverage (10,473)	Village 2G 3G 4G	6,749	7,559	7,663 90,1% 61,2% 1,5%	7,766 91% 65% 13%



Utilization

User	2013	2014	2015	2016	%
Fix line Users •PSTN •CDMA	721,318	920,756 64,426 856,330	962,497 60,457 902,040	1,268,597 57,167	15%
Mobile Users	4,481,395	4,336,184	3,704,769	3,958,510	57%
Internet User	1,907,593	2,036,471	2,642,693	2,628,400	41%
Fixe line ADSL Dial Up Lease line FTTH	13,231 12,022 110 1099	16,891 15,923 87 881	24,551 14,285 87 1,441 8,825	28,414 11,721 87 1324 14,974	1%
Mobile Wireless Wimax HSPA 3G	1,894,362 - 125,382 1,768,980	2,018,803 1,582 - 119,846 1,897,375	2,618,142 1,973 431 680,835 1,936,876	2,599,986 2,352 424 1,256,691	40%



e-Government Center of Lao PDR

Industry

Company	2015	2016
Telecom Operator	5	5
ISP	8	8
Internet Café	421	454
ICT Company	398	398
Digital Content	4	26
ICT Consulting	3	10
ICT Education	3	3
ICT security	1	1
ICT factory	1	1
Software development	17	30
ICT reseller shop	234	170
ICT Installation	99	391









ICT Development Index

2010: 2015:

IDI Value: 1,92 IDI Value: 2.45

IDI Rank: 135 IDI Rank: 144

2016:

IDI Value: 2.45

IDI Rank: 144

Laos did a good job

but other country did it better.

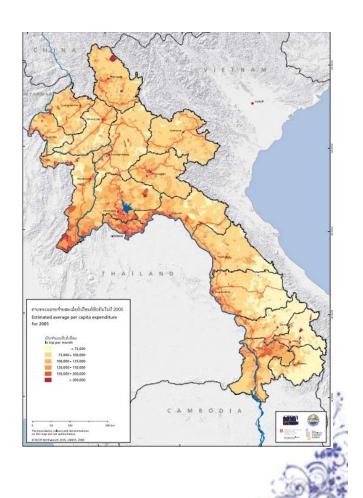






Affordability Barrier

- High Price:
 - International bandwidth: 100 USD/Mbps
 - Fix line Internet= 30 USD/Mb/Month
 - Mobile Internet: 0.04USD per 1 MB.
 - 0.10 USD/minute for prepaid
 - 0.04 USD/minute of post paid.
 - 30% tax on ICT equipment
- People Expense
 - 27% of average households income
 - Low people purchase power (11% of total householders)



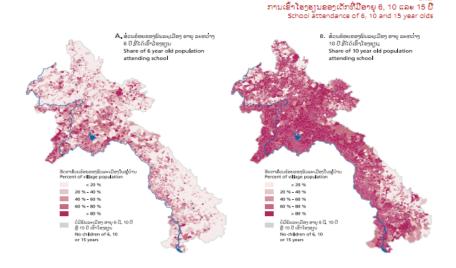


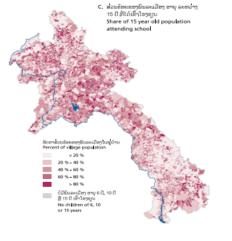
Consumer Barrier

Literacy: 73%

ICT literacy: 20%

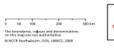
English literacy: 30%

















Local Content

• Website:

- Website in Lao Language: 1,000
- Only 20% of government office have website
- 30 e-Content provider (newspaper and magazine)

• Barrier:

- Lack of Lao language support in most of ICT system
- Lack of content creator







Policy and Regulation

- Draft of National ICT Policy 2015-2025
- Draft of National Broadband Plan 2012-2020
- Draft e-Government Master Plan 2013-2020
- MPT Vision 2030, Strategy 2025 and Development Plan 2020
- E-Transaction Law (2012)
- Telecommunication Law (2011)
- Decree on Online Information Management (2014)
- Law on Prevention and Combating Cyber Crime (2016)







E-Government Development Plan

2013-2020





The Stages of E-Government Development to 2020

1. Presence Stage 2013-2015

→ Focus on G2G applications (maintain and rebuild these applications, which was established under the e-Government project phase I: 2006-2012, mainly in some government offices in Vientiane and provincial governors. Some district and village administration offices will be setting up and distribute IT equipments in phase II.

2. Interaction Stage 2016-2018

- → Integrate the government data into one single service.
- → Initiate G2B service applications.

- 3. Transaction Stage 2019-2020
- → fully computerize the administration system and e-Service especially e-Commerce by government officers.
- → Initiate G2C service applications.





Main Roles and Services of E-Government Center





Main Roles of E-Government Center



I. The centralization of the government computer service

- Government computer network
- · Hardware and software services of government organizations
- · Government security management and maintenance
- Government video conference management and service

II. Manage and develop the administration and service software

- Centralization: the document management system, employment management system, elibrary, inventory system, workflow management system.
- Specific: cooperate with related sectors such as finance, auction..

III. Build, manage and provide the service on the centralization of government information

- Promote the government data through the national e-Portal.
- Build the government database and information integration such as: Meta data, Data mining, Mess storage data...
- Build the statistic database such as: GIS, RS, GPS,...

IV. Build and provide the services to access the information of government, business sectors and citizen

- such as: Community Tele-center, Kios,...
- V. Training and Promotion of E-Government



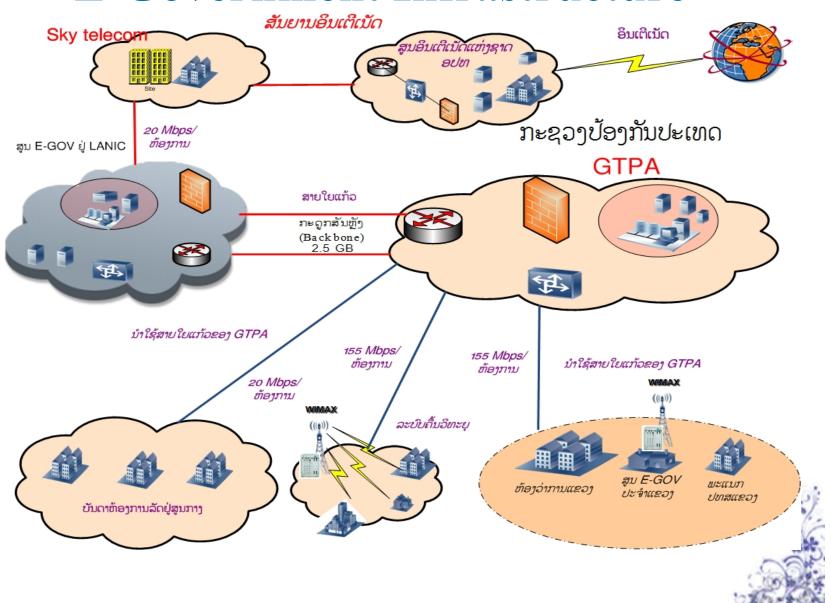
Activities under e-Government Center

- I. The implementation, maintenance, problem solving, research & service, promotion and training of e-Government system under the project phase I and II.
- II. The e-Government system integration with other systems such as: e-Health (Ministry of Public Health), Lao Decide Info (Ministry of Planning and Cooperation), e-Revenue (Ministry of Finance), e-Education (Ministry of Education and Sport), with the technical consultation from E-Government Center (information infrastructure and Data Center).
- III. The International cooperation and other countries for the development and integration of e-Government system of Lao PDR (strategic planning, standard, system integration and information exchange).
- IV. Cooperation with business sectors in the research, development and find out the appropriate IT equipments and software for the government such as: provide the cheaper price of hardware and software.
- V. Cooperation with mass organizations to promote the ICT and e-Government in the research & development of Lao PDR widely such as: the rural telecenters.





E-Government Infrastructure





ສູນຂໍ້ມູນລະບົບບໍລິຫານລັດດ້ວຍເອເລັກໂຕຣນິກ (E-Government Data Center)





- Web hosting for government
- Develop website (Static and dynamic webpage)
- E-mail for government (such as: name@mpt.gov.la)

- Server hosting.
- IT engineers support for maintaining programs and integration.
- 24 hours power supply and cooling conditioning.





- E-Portal
- E-Applications (e-document, e-Archive, e-Registration, e-Staff
- Domain Name (gov.la)
- Computer network
- Video Conference
- E-Mail
- Web Hosting
- E-Service
- Consultant, assistant
- Trend of E-Government Development
- Cloud computing
- Multimedia









Q&A

e-Government Center of Lao PDR







THANK YOU

