

CONFORMITY AND INTEROPERABILITY FOR INTERNET OF THINGS in Laos

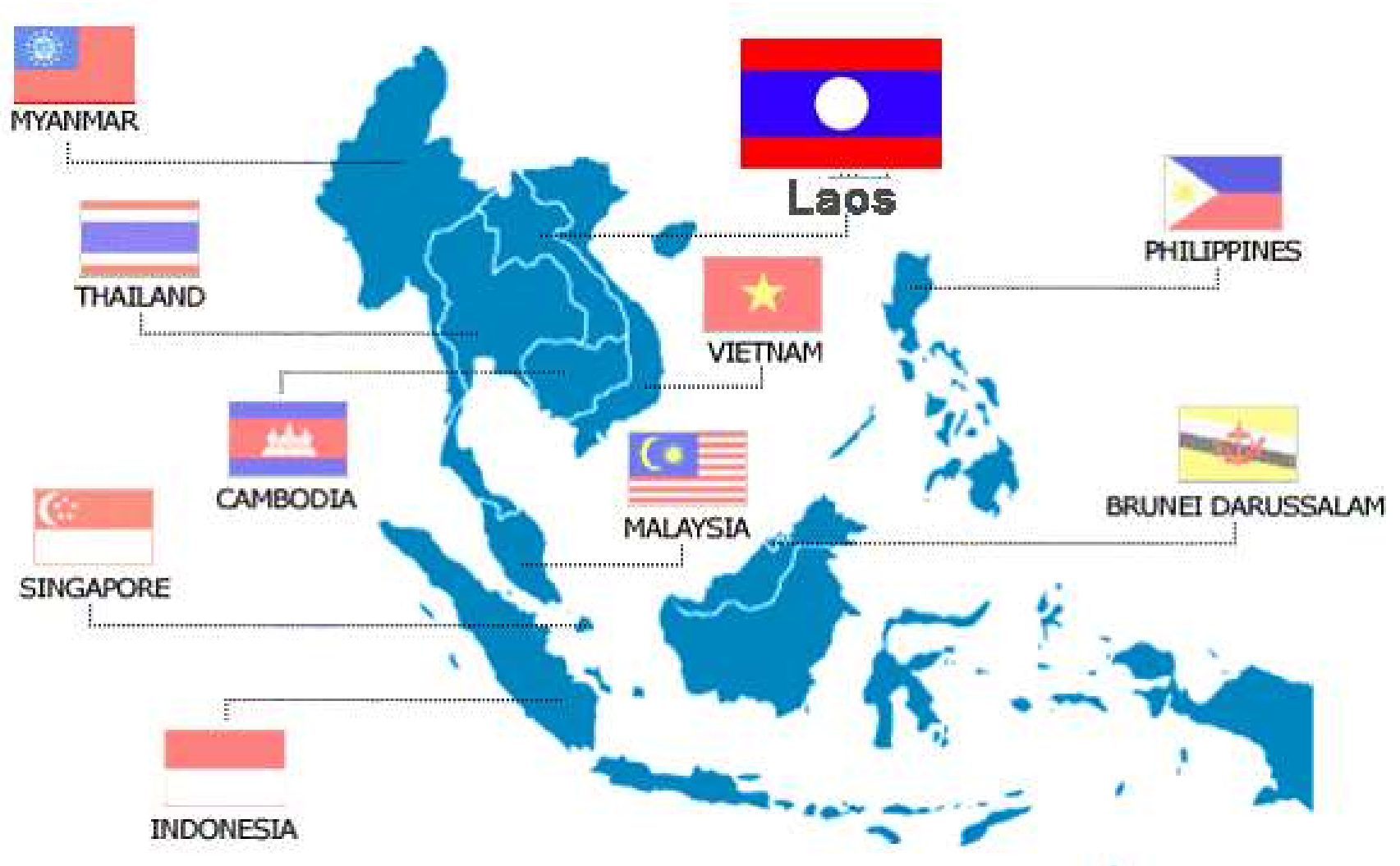
Ministry of Post and Telecommunication(MPT), Lao

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Introduction to Lao PDR



Introduction to Lao PDR

(Cont..)

- Region: South East Asia
- Surface Area: 236,800 Sq.km
- Population: 6,8 Millions
- Provinces: 18
- Capital City: Vientiane
- Currency: Kip (1USD=8000Ki)
- GDP per capita: 1,725 USD
- Country code: +856
- ccTLD : .la



Flag



Emblem



MPT



Currency: KIP(₭)

Ministry of Post and Telecommunications Organization Structure Updates (January 2017)

Lao Telecommunication Regulatory Authority established in March 2017

Previously

1. Administrative Office
2. Department of Human Resource
3. Department of Inspection
4. Department of Planning and Cooperation
5. Department of Finance
6. Department of Post
7. Department of Telecommunication
8. Department of Information Technology
9. Institute of Post and Telecommunications
10. E-Government Center
11. Lao National Internet Center (LANIC)
12. Institute of Research
13. LaoCERT

Currently

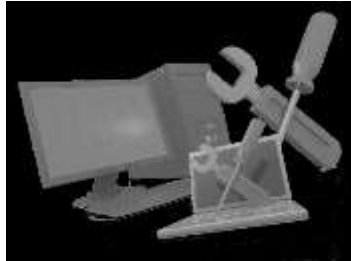
1. Administrative office
2. Department of Human Resource
3. Department of Inspection
4. Department of Planning and Cooperation
5. Department of Finance
6. Department of Post
7. Department of Radio Frequency
8. Department of ICT
9. Lao Telecommunication Regulatory Authority
10. Institute of ICT
11. E-Government Center
12. Lao National Internet Center (LANIC)
13. ICT Promotion Center
14. LaoCERT



ICT Overview of Lao PDR

- ICT service providers

499 IT
Services



164 Internet
Cafes



6 ISP



1 Telecom Operator



IC1 Overview of Lao PDR (Cont..)

- **Transmission Networks**

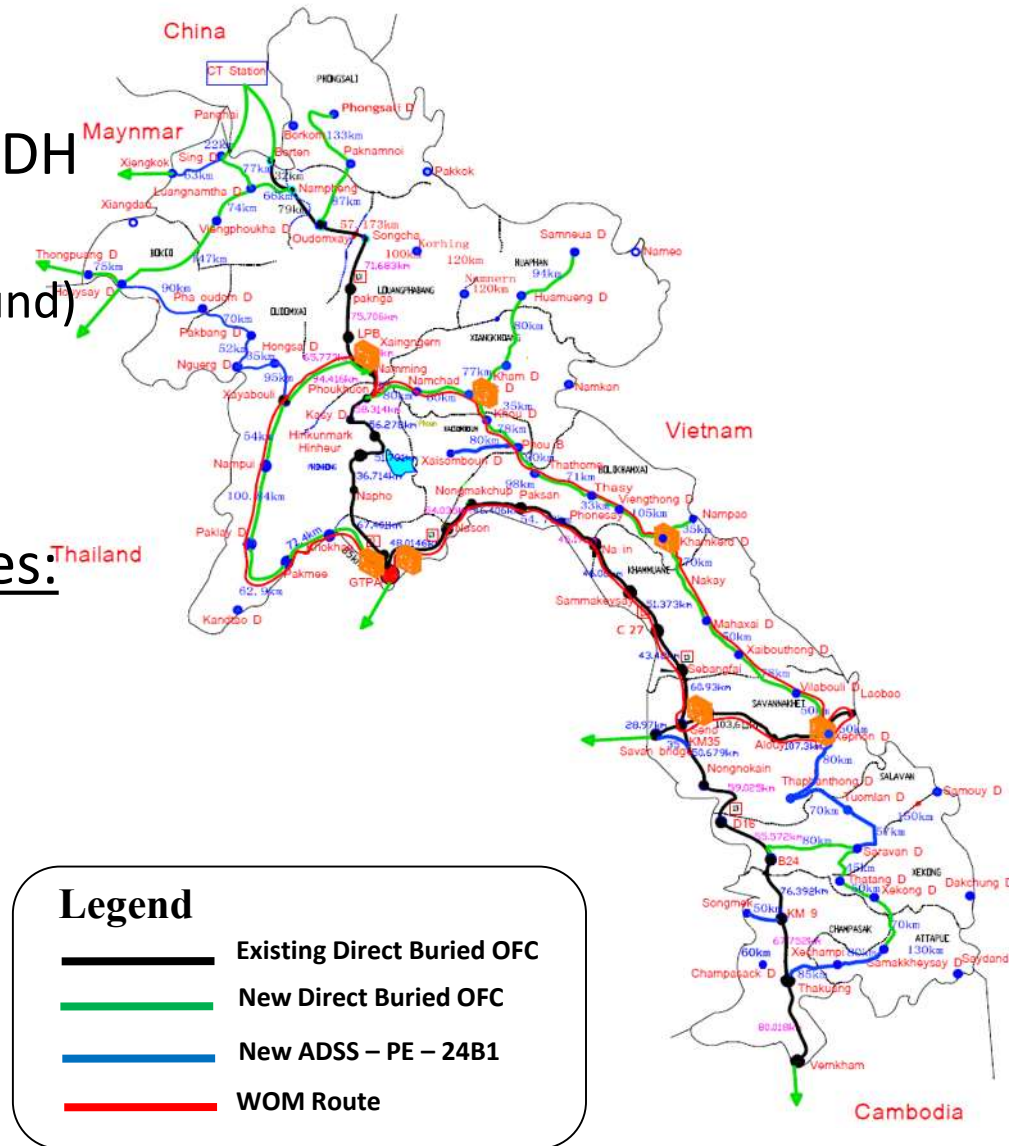
- Technologies: DWDM, SDH, PDH

- Optical Fiber:

- Sky Telecom: 8,346km (underground)
- STL: 19,300km
- LTC: 18,000km
- ETL: 13,000km

- Connect to neighbor countries:

- China (3 connection points)
- Thailand (6 connection points)
- Vietnam (5 connection points)
- Cambodia (2 connection points)
- Myanmar (2 connection points)



ICT Overview of Lao PDR (Cont..)

- Numbers and Statistics Internet and Mobile usage



MPT Policy

- ICT Vision towards 2030
- 10-year Development Strategy (2016-2025)
- 2nd 5-year Development Plan of Post and Telecommunications Sector (2016-2020)

Laws, Rules and Regulations

- Prime Minister Decree on Establishing the Framework for the Creation of Telecommunication Regulatory Authority (March 2017)
- ICT Law (November 2016)
- Cyber Crime Law (July 2015)
- (Ongoing) Amendment of Telecommunications Law
- (Ongoing) draft Radio Spectrum Law
- Ministerial Decision on Telecommunication Competition (January 2015)
- Ministerial Decision on Telecommunication Licensing (February 2015)
- Ministerial Decision on Numbering (January 2015)
- Ministerial Decision on 3- and 4-digit Numbering (December 2016)

Telecommunications and ICT Infrastructure Development strategy

- Establish the technical quality standards of the services and efficiency of the telecommunication/ICT networks to be consistent with international standards
- Develop sustainable communication centralization to ensure that all communication systems in Lao PDR are stable and accepted by the business entities.
- Manage IPs and plan for the transition from IPv4 to IPv6
- Provide telecommunication/ICT services to all citizens to increase the opportunity for the people to access and use the ICT technologies.

Vision of the future

- Review and improve the laws, decrees, agreements, and other regulations to manage and adjust any kinds of the ICT use and service delivery to be consistent with international as well as support the preparation for the ASEAN Economic Community integration.
- Adjust and improve the set of legislations and regulations to be suitable and reflective to the current situations periodically.
- Disseminate the set of legislations and regulations to post sectoral provincial divisions/capitals, other concerning parties and the postal business units in order to enhance understanding and correct implementation.

