Ministry of Technology and Communications (MTC)
Lao National Internet Center (LANIC)

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Deputy Director General

15-Feb-2024
Outline

01 About LANIC
02 Telecom and Internet Infrastructure
03 National and International Internet Connection
04 Internet Usage In LAOS
LANIC Main Responsibilities

**Gateway**
- International Internet Gateway (IIG)
- National Internet Exchange (NIX)
- National Voice Exchange (NVX)
- International Voice Gateway (IVG)

**National Data Center (NDC)**
- Web Hosting
- Cloud
- Co-location

**Country Code Top Level Domain Name**
- LA
- ລາວ

**National Root Certificate Authority (NRCA)**
- Gov CA & Pub CA
- Digital Signature

**Lao National Internet Committee**
- Internet Management
- Internet Content Management
- Cyber Security Management

ISO27001 Certified
National Data Center Services

- **International Internet Gateway (IIG)**
  - Public Internet
  - Bandwidth: 30+60Mbps

- **Network operations center (NOC)**
  - Core Switch
  - Firewalls
  - Bandwidth: 1Gbps

- **National Internet Exchange (NIX)**
  - Domestic Internet

- **10GE Bandwidth: 10GE**

- **Co-location Services**
  - Customer: MoF, MoJ, MoH, MoIC, MPI, E-Gov, …

- **Cloud Services**
  - Customer: MoF, MoJ, MoH, MoIC, MPI, E-Gov, …

- **web hosting Services**
  - 165 Gov Websites

- **Customer:** MoF, MoJ, MoH, MPI, E-Gov, …

- **Customer:** MPWT, MoHA, MoH, MPI, E-Gov, …

- **Customer:** MPWT, MoHA, MoH, MPI, E-Gov, …
National Transmission and Crosse Broder Connection Points

Fiber Optic connecting all provinces and all districts 95,837 Km

Fiber Optic Backbone Access
- Backbone transmission network
- Thailand: 5 Points Connection
- Vietnam: 5 points Connection
- China: 3 Points connection
- Myanmar: 2 Points Connection
- Cambodia: 2 Points Connection
Mobile Network Coverage

- 2G: 96%, BTS: 5,170
- 3G: 83%, BTS: 8,066
- 4G: 75%, BTS: 8,433
- 5G: Trial - LTC & Unitel
- Optical Fiber: 95,837 Km
International Internet Gateway IIG

Total Traffic About 300Gbps
## Internet Service Providers In Lao PDR

<table>
<thead>
<tr>
<th>Company name</th>
<th>Internet Service providers (ISPs)</th>
<th>Telecom operators (Telcos)</th>
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<tbody>
<tr>
<td>Lao Telecom</td>
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<td>Star Telecom (Unitel)</td>
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<td>SLT (New)</td>
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<td>Chalurnsup (New)</td>
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</tbody>
</table>

10 ISPs 5 Telcos
Internet User in LAOS

ESSENTIAL DIGITAL HEADLINES
OVERVIEW OF THE ADOPTION AND USE OF CONNECTED DEVICES AND SERVICES

NOTE: PLEASE READ THE IMPORTANT NOTES ON COMPARING DATA AT THE START OF THIS REPORT BEFORE COMPARING DATA ON THIS CHART WITH PREVIOUS REPORTS

TOTAL POPULATION
7.58 MILLION

CELLULAR MOBILE CONNECTIONS
6.45 MILLION

INTERNET USERS
4.70 MILLION

ACTIVE SOCIAL MEDIA USERS
3.35 MILLION

URBANISATION
37.9%

vs. POPULATION
85.1%

vs. POPULATION
62.0%

vs. POPULATION
44.2%
Domestic Internet Speeds in LAOS

JAN 2023

INTERNET CONNECTION SPEEDS

MEDIAN DOWNLOAD SPEEDS (IN MEGABITS PER SECOND) OF MOBILE AND FIXED INTERNET CONNECTIONS

MEDIAN DOWNLOAD SPEED OF CELLULAR MOBILE INTERNET CONNECTIONS

YEAR-ON-YEAR CHANGE IN MEDIAN CELLULAR MOBILE INTERNET CONNECTION SPEED

MEDIAN DOWNLOAD SPEED OF FIXED INTERNET CONNECTIONS

YEAR-ON-YEAR CHANGE IN MEDIAN FIXED INTERNET CONNECTION SPEED

28.56 MBPS

+20.3%

28.33 MBPS

-1.8%
Thank you