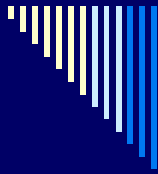


13<sup>th</sup> Sub-regional Telecommunications Meeting  
 October 04 - 06, 2006  
 Sedona Hotel, Yangon, Myanmar



## LAO PDR CONTRY REPORT INTERNET GOVERNANCE

By  
 Mr. Somnuck Phothirath  
 Director of Telecom Development division  
 Enterprise of Telecommunications Lao (ETL)

### Services

#### ❖ Network/System:

- Transmission system (SDH, PDH, O.F, MW, VSAT, IP Star).
- GSM system (PoP&PeP)
- PSTN system.
- GPRS, WAP
- IN System (Prepaid).
- Internet (ADSL, HIL, Leased line, Dial up, Hotspot).
- VOIP.

#### ❖ Customer:

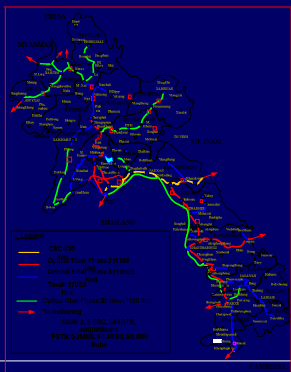
- Mobile phone (Postpaid & Prepaid).
- Fixe phone.
- International gateway.
- Internet (PC&MP).
- MMS, SMS & VMS.
- e-Call 188.
- i-Call 180.
- Int- Call 133.

## Telecom network

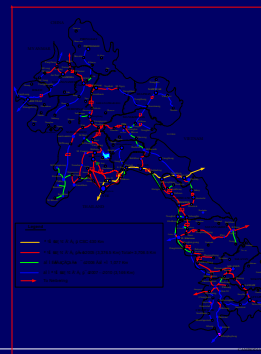
- ❑ TRANSMISSIONS
- ❑ GSM
- ❑ PSTN
- ❑ IP

transmission

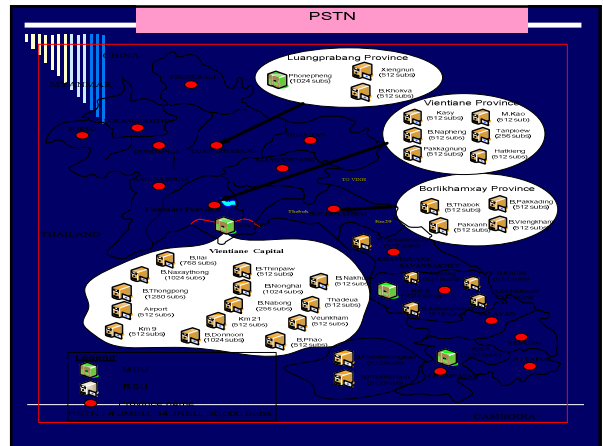
Optical Fiber Existing & New



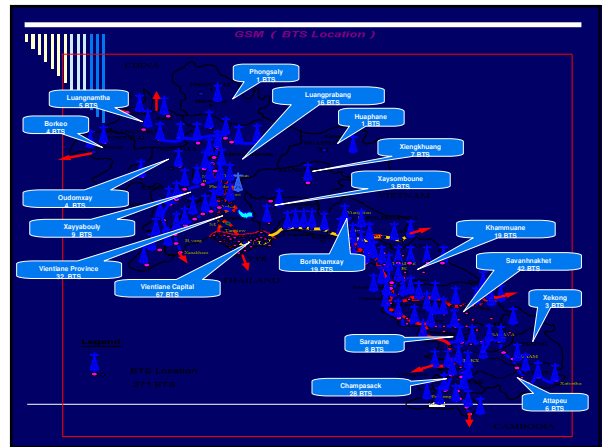
Optical Fiber Existing and plan to 2010



# PSTN



# GSM

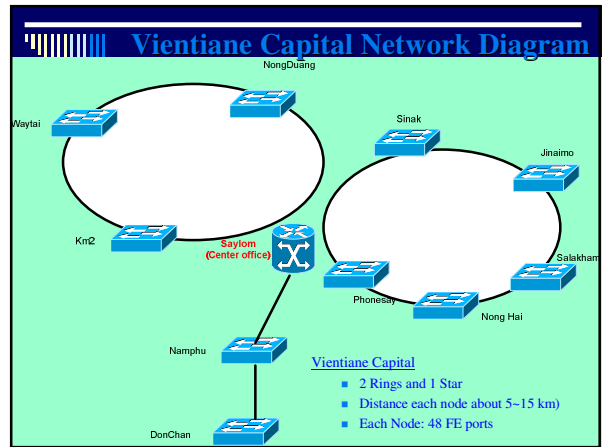
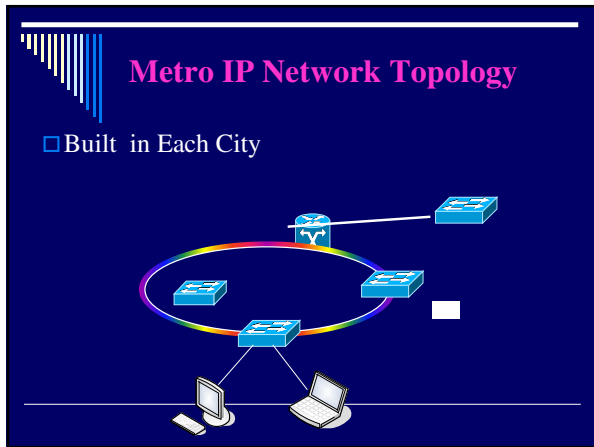
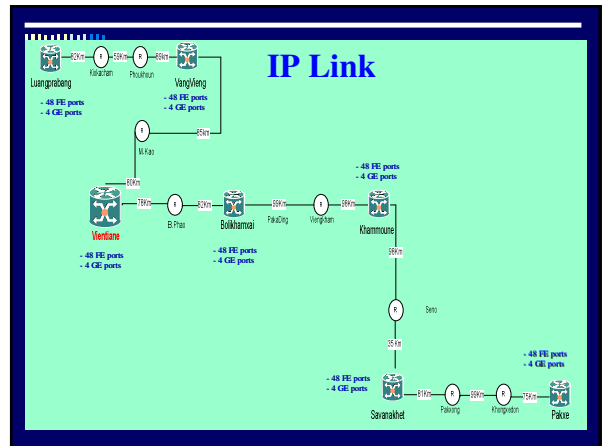
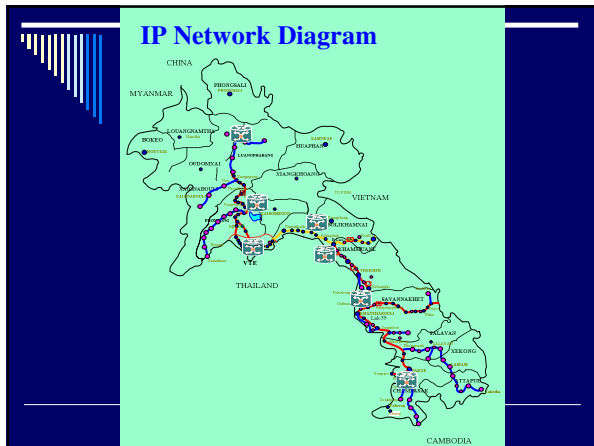


# IP Backbone Network

**IP capacity**

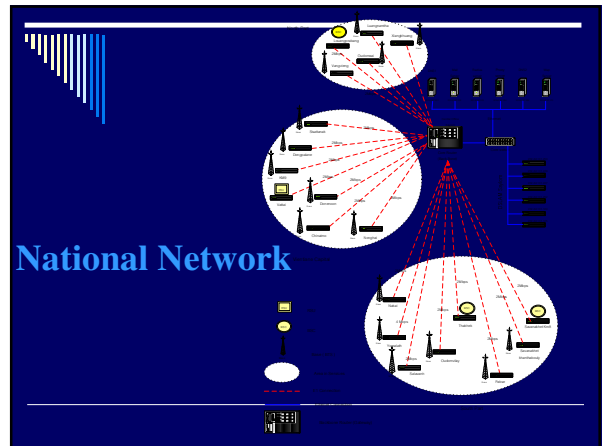
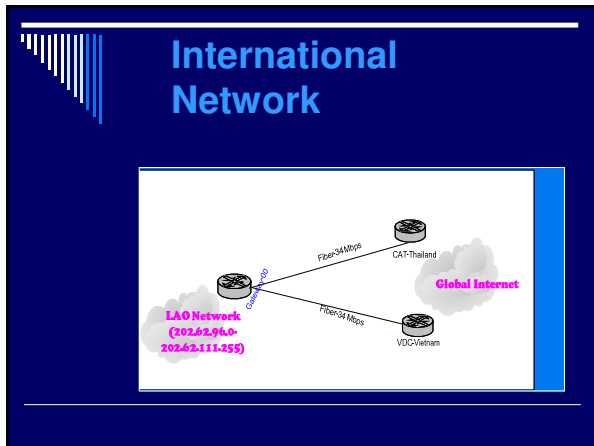
IP backbone Link in 7 Cities (9,000 Sub.)

1. Vientiane Capital	3,000 sub.
2. Vangvieng	500 sub.
3. Luangprabang	1,000 sub.
4. Borikhamxai	500 sub.
5. Khammuane	1,000 sub.
6. Savannakhet	2,000 sub.
7. Champasack	1,000 sub.

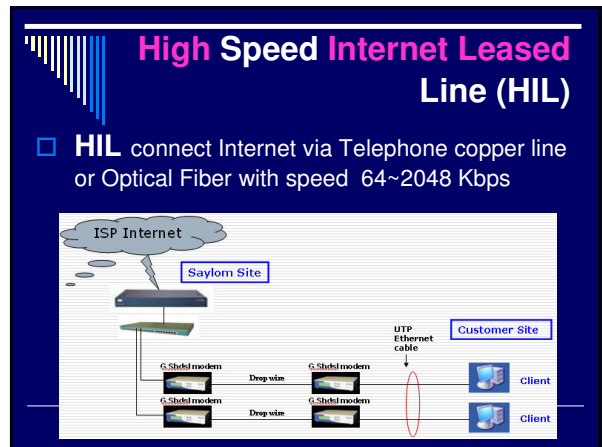
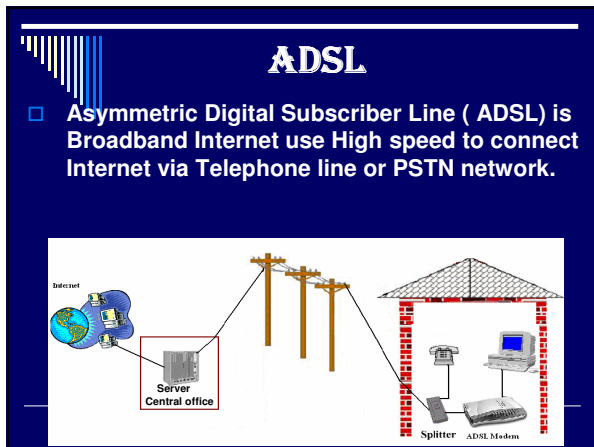
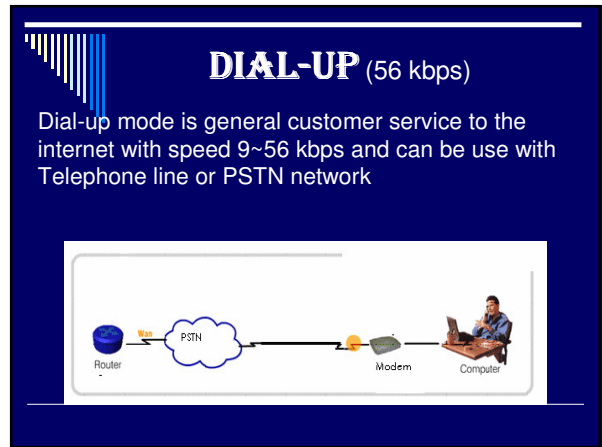


- ### Service Items
- Internet Access
  - IPTV
  - Voice Over IP
  - Video Conference for Hotel Service, mainly
  - .....

# Internet service

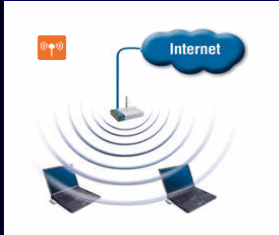
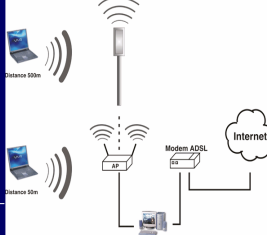


- ## Service type
- Dial-up (56 kbps) (Narrowband)
  - High Speed Internet (Broadband)
    - ADSL
    - HIL
    - Wireless
    - HotSpot



## Hot spot

- Hot Spot is Internet service via ADSL by using wireless mode and none radio frequency

## Voice over ip (VoIP) SERVICE

## i- Card 180

## I - Card 180

- Is economy International call service in one price 1,999 kip(0.199 USD) in the world by using Card
- Can be use for GSM and PSTN system



## e- Call 188 Int-Call 133

## e & Int - Call Dialing in same Network

- For using in e-Call with dialing the 188/133 than dial Country code and Sub. Number

Example: Dialing to USA

188

→

CC

→

AC

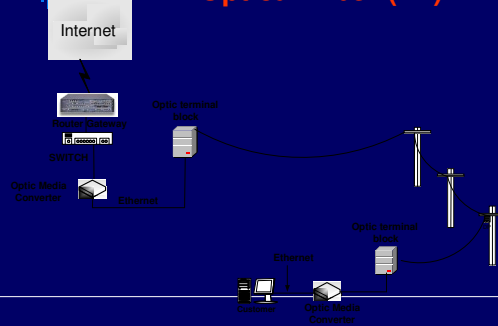
→

Sub. Number

Assign number > 1 > 815 2233444

## Internet service via Optical Fiber

## Internet connection via Optical Fiber (LL)



## THE INTERNET GOVERNANCE SECURITY

## What is information security ?


- Managing Internet usage of individual or community:
  - Allow access to useful/desired Web content.
  - Prevent access to inappropriate/ undesired Web content.
  - “Protect” some users from the the Internet.

## Why we need information security management ?

- There are innumerable information on Internet which is very easy to access.
- Some of them is harmful to individuals, organizations, communities, governments and so on.
- People pay more attention to this issue than ever before.
- So, Internet Content Filter (ICF) Technology and product comes.

## Roles of ICF

- Prevent potential damage caused by information storage, processing, transmission over Internet and Information systems.
- Rather than protecting network and information systems themselves from being destroying by malicious attacks.



## Objectives controlled by ICF


- **Sexy information** – text, image, audio, video materials, it is biggest concern to protect minors.
- **Terrorism** – it is a worldwide problem currently.
- **Rumor** – often make people fell panic and disturb social order.
- **Anti-government** – it is a big challenge to many government.
- **Violence**
- ... ..



## How does ICF system work ?

Generally, there are 2 categories of ICF

- **Static filtering**
- **Dynamic filtering**



## Employing position

- **Individual-oriented ICF system:**
  - Installed and configured on individual computer, such as for family users.
- **Network-oriented ICF system:**
  - Installed and configured centrally, often used by school, university, enterprise, organization and other community.



**Thank !**