Cambodia's Broadband Initiatives and Future Plan

Expert Group Consultation on Asian Information Superhighway and Regional Connectivity

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Cambodia at A Glance

Geography and Population

Kingdom of Cambodia

ព្រះរាជាណាចក្រកម្ពុជា

Preăh Réachéa Nachâk Kâmpŭchéa

Flag | Royal Arms

Motto: ជាតិ សាសនា ព្រះមហាក្សត្រ។

Chéat, Sasna, Preăhmôhaksât
"Nation, Religion, King"

Anthem: *Nokoreach*
Royal Kingdom

Area: 181,035 sq km

Land: 176,515 sq km

Water: 4,520 sq km

Location: Southeastern Asia, bordering the Gulf of Thailand, between Thailand, Vietnam, and Laos

Main city: Phnom Penh

Climate: Tropical wet and dry

Population: 14,453,680

Population growth rate: 1.7%

0-14 years: 32.6%

15-64 years: 63.8%

65 years and over: 3.6%

(Source: CIA World Factbook , 2011 & Wikipedia)

Main Development Indicators

Key Economic Indicator (As of Jan 2011)	2010	2011
GDP (million USD)	11,315	12,538
GDP growth rate	6.5%	7.0%
GDP per Capita (USD)	788	861
Inflation (Dec/Dec, 2011)	4.0%	6.0%

(Source: Economic Institute of Cambodia (EIC), 2011)

Cambodia's Telecom Market

No.	Services	Operators
1	Mobile	06
2	Fixed Line & WLL	06
3	International Carrier	03
4	Backbone Network Provider	03
5	ISP	27
6	VoIP	15
7	VSAT	01
8	DNS (.KH)	2,091
9	Internet Cafe	348

Cambodia's Telecom Market

Services	Sub. & Penetration
Mobile	19,825,644 (133%)
Fixed / WLL	398,785 (2.67%)
Internet (fixed & mobile)	3,398,569 (22.71%)

Cambodian's Broadband Initiatives

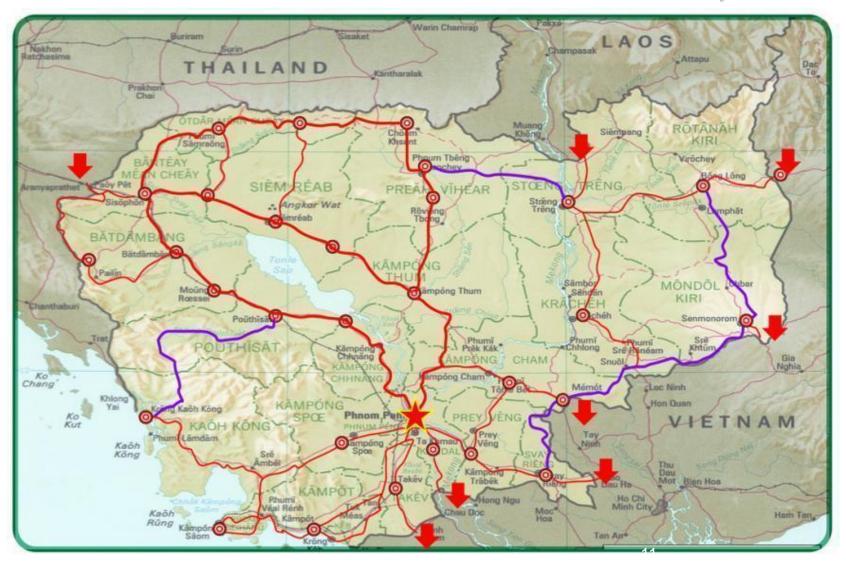# Domestic Network Providers

Optical Fiber Backbone Operators

- Telecom Cambodia (TC)
- Viettel Cambodia
- Cambodia Fiber Optic Cable Network (CFOCN)

1. Telecom Cambodia Optical Fiber Backbone

▫ **Total: 1,200 Km**

2. Viettel Optical Fiber Backbone

□ **Total: 16,000 Km**

———— 10 GPS   ———— 2,5 GPS

3. CFOCN Optical Fiber Backbone

□ **Total: 5,180 Km**

International Network Connectivity

- ❖ Satellite Connectivity: 1987
  - ▪ Satellite earth station including Phnom Penh Interspunik earth station

- ❖ Thailand-Cambodia-Viet Nam Backbone: 1997-1999
  - ▪ The first fiber optic network was built in Cambodia

- ❖ Great Mekong Subregion Information Highway Project
  - ▪ Expand Thailand-Cambodia-Viet Nam from Siem Reap-Kampong Cham-Kratie-Stung Trieng to Lao: 2007-2009

- ❖ Telcotech Connectivity
  - ▪ The network connect to AAG submarine cable through Thailand and Viet Nam: 2009-2010.

- ❖ Viettel Cambodia-Viet Nam

- ❖ Cambodia-Viet Nam High-Speed Transmission Line

Future Plan: Broadband Policy

Objectives of Broadband Policy

❖ Achieve higher economic growth and efficiency while ensuring sustainability

❖ Promote social growth and cohesion

❖ Enhance public and private sector efficiency and performance

❖ Facilitate ICT and general education through broadband

❖ Improve health service delivery

❖ Enhance global integration and international relation

❖ Improve the efficiency of key sectors of the economy, and especially for agriculture and fishery

Short-term Goals for Broadband Policy
Target five-year period to 2017

❖ To have in place a competitive structure for the provision of broadband in Cambodia

❖ To support the provision of broadband service to communities with an active interest in acquiring early broadband access

❖ To achieve broadband service availability of 100% in urban areas and of 70% of rural areas during the next five years

❖ To ensure that broadband services become and remain affordable for all people: download speed of 512kbps is basic service

❖ To encourage and facilitate the development of local contents

❖ To support all academic institutions to have access to broadband: 100% for Urban, 80% for rural

❖ To lead the broadband evolution by delivering government services online over broadband.

Broadband Strategic Action Plan
Target five-year period to 2018

- ❖ Competition, regulations and investment

- ❖ Community access to broadband

- ❖ Availability

- ❖ Affordability

- ❖ Broadband penetration

- ❖ School access and education

- ❖ eGovernment, licenses and approval

- ❖ Lead applications in Government programs

- ❖ Recognition of ICT champions

- ❖ Data collection to measure broadband progress.

The End of Presentation

Thank you for your kind attention!

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