



中华人民共和国工业和信息化部

Ministry of Industry and Information Technology of the People's Republic of China



The Development of China's Broadband Network

Ministry of Industry and Information Technology, China

Nov 20, 2012

Agenda

1

Overview of China's Broadband Network

- Broadband Subscriber and User
- Broadband Network
- Village Engineering
- “Broadband China” Strategy

2

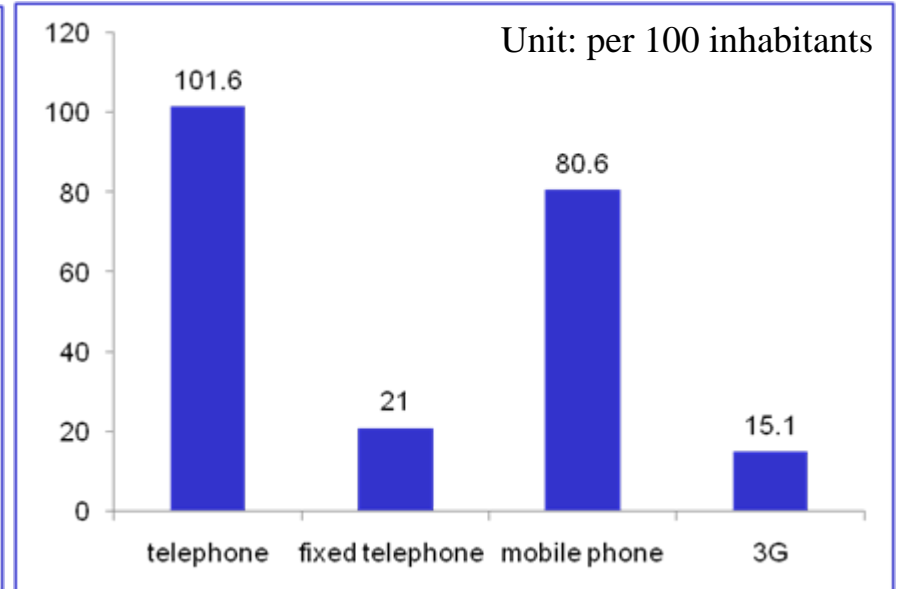
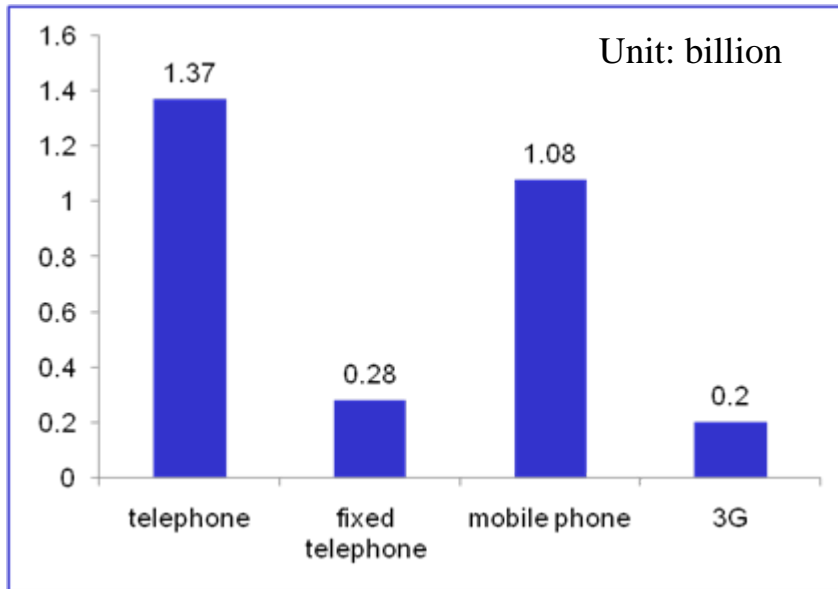
China's Engagement in Regional Information Super Highway

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About Building Regional Connectivity

Telephone Subscriber

By Sep. 2012, the total number of telephone subscribers and the subscribers per 100 inhabitants in China:



- ✦ The total number of telephone subscribers is 1.37 billion, in which mobile subscriber accounts for 78.8%.

- ✦ 3G subscriber is increasing rapidly, amounting to 0.2 billion.

- ✦ Telephone penetration rate is about 101.6 subscribers per 100 inhabitants.

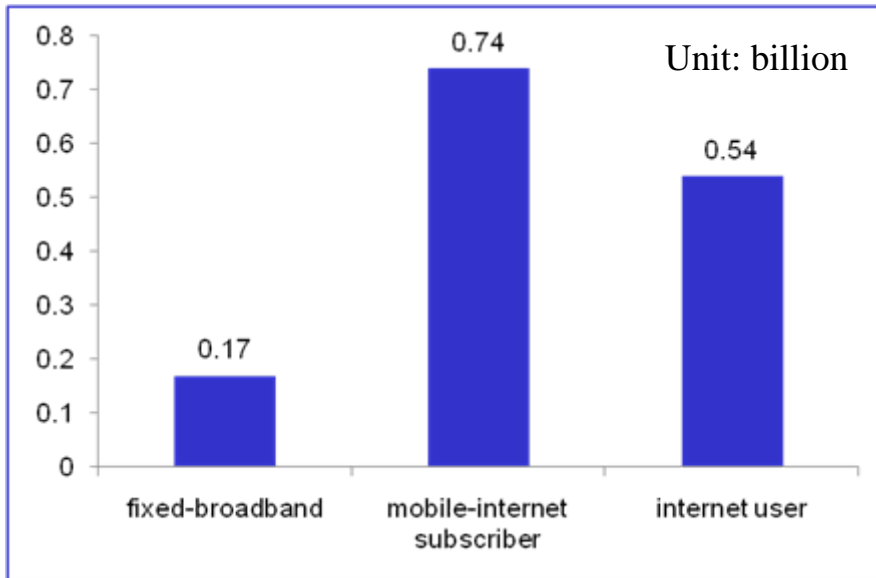
- ✦ Cell phone: 80.6 per 100 inhabitants.

- ✦ 3G: 15.1 per 100 inhabitants

- ✦ In sum, it is medium level

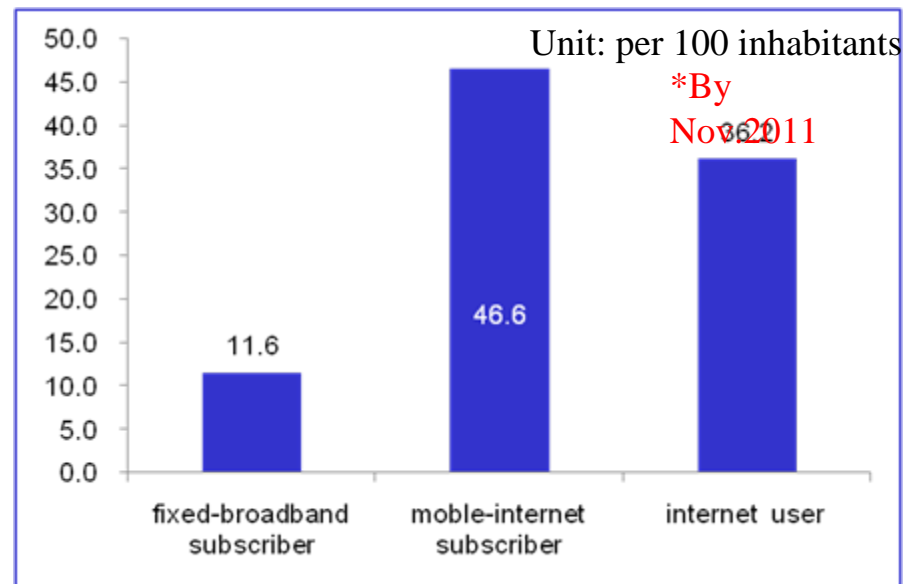
Internet Subscriber and User

The total number of broadband subscribers and internet users



- ✦ The total number of fixed-broadband subscribers is 0.17 billion
- ✦ The mobile-internet subscriber reaches 0.74 billion.
- ✦ Internet user is 0.54 billion.

The penetration rate of the broadband subscribers and internet users



- ✦ Subscriber penetration rate
 - Fixed-broadband is 11.6 per 100 inhabitants; mobile-internet is 46.6 per 100 inhabitants. Mobile is far more than fixed-broadband
 - Internet user: 36.2 per 100 inhabitants

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About Building Regional Connectivity

Broadband Backbone Network

To Central Asia

MONGOLIA: CN-MN-RU cable

RUSSIA: TEA

To Europe

KAZAKHSTAN: CN-KG-UZ cable

MONGOLIA: CN-MN cable

Heihe

Suifunhe

Erliahaote

Beijing

To US/Japan /Korea

Chongming

CUCN

SMW3

TPE

APCN2

CUCN

SMW3

To India

INDIA: CN-IN cable

MYANMAR: CN-MM cable

LAO: CN-LA Cable

VIETNAM: CSC, CVC, CVC1

To Vietnam/Laos/Myanmar

Hong Kong

----- Domestic Backbone

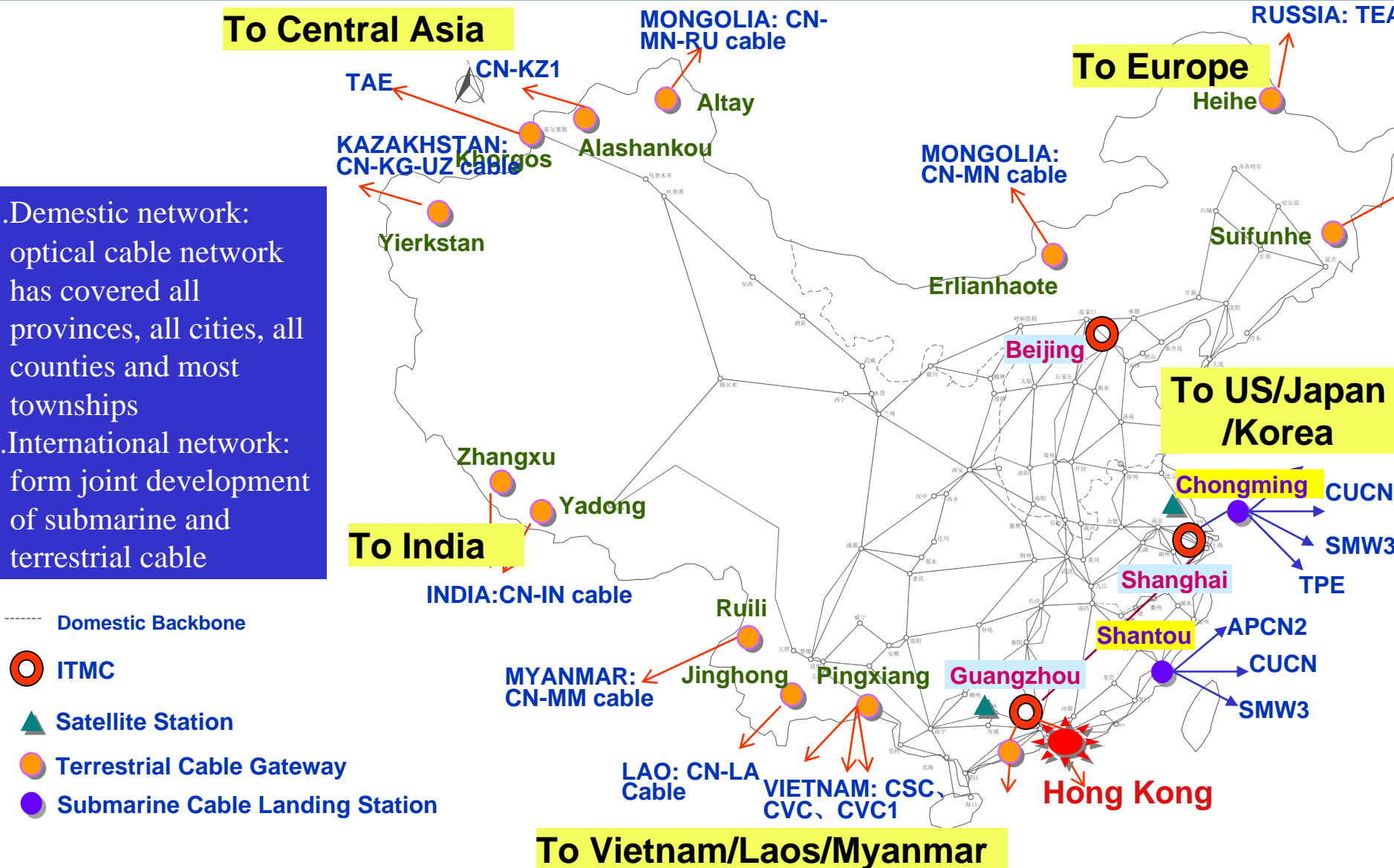
 **ITMC**

 **Satellite Station**

 **Terrestrial Cable Gateway**

 **Submarine Cable Landing Station**

1. Domestic network: optical cable network has covered all provinces, all cities, all counties and most townships
2. International network: form joint development of submarine and terrestrial cable



International Communications Network

International submarine cables and international cross-border land cables of China could reach directly to 60 countries, and have the capacity of 6.76Tbps.

Cross-border land cables :

- Cross-border land cable system towards 14 directions has been established with 9 countries among 14 land neighbors ;
- The total capacity of land cable system exceeds 5.0Tbps ;

Submarine cables :

- 4 submarine cable landing points : Chongming in Shanghai, Nanhui in Shanghai , Qingdao and Shantou.
- 7 landed submarine cables : APCN2, SMW-3, TPE, CUCN, FLAG, EAC and C2C
- The total capacity of submarine cable system owned by Chinese enterprises reached 1.76Tbps.

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_7250



Review of China's Broadband Network

Broadband Subscriber and User

Broadband Network

Rural Broadband Engineering

"Broadband China" Strategy

Government's Engagement in Regional Information Super Highway

Building Regional Connectivity