update on Wireless Broadband

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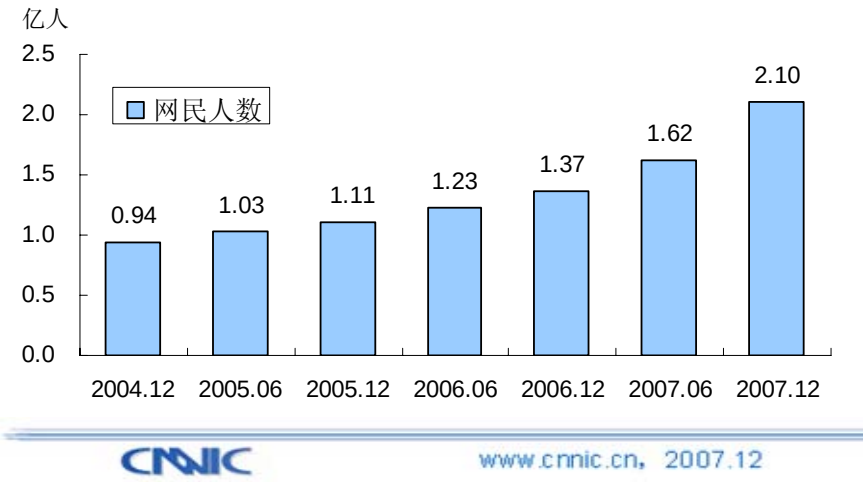
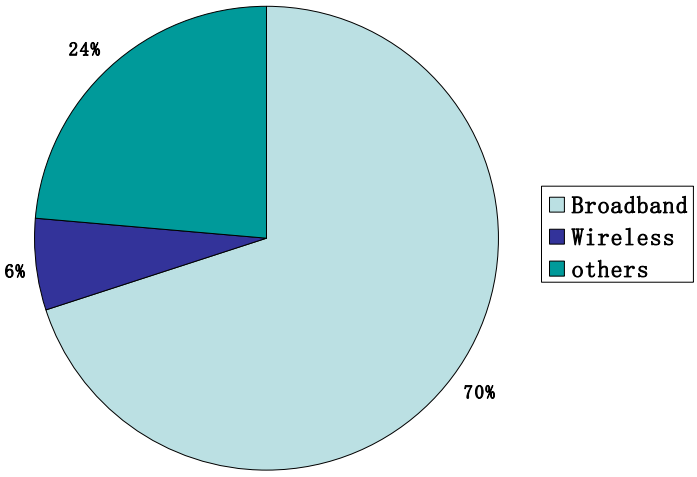
Outline

- Internet Statistics by end of 2007
- Broadband access by fixed line
- Broadband access by wireless
- Recent freak snowstorms and freezing rain
- Future works

Statistic of Internet user in China



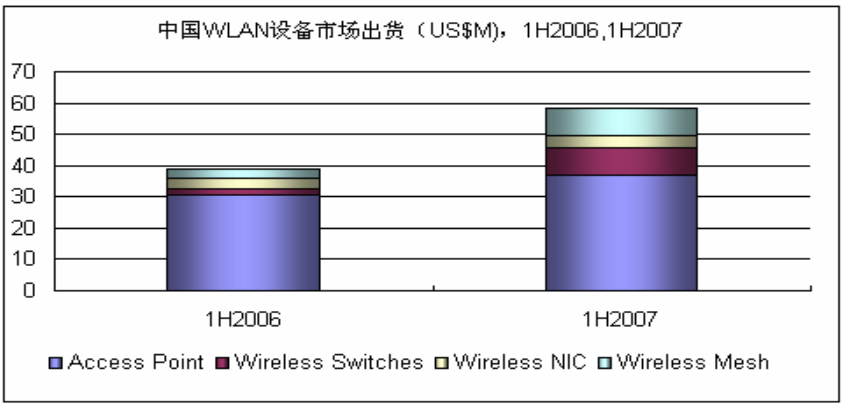
Fixed and Wireless access Percentage



Wifi Deployment

- Wifi coverage already available in many universities campus, PKU/BUPT/NMU, …
- Wifi has been available in many airports and hotels
- Wifi has been deployed in Metro of Shenzhen
- China Telecom and other service providers have initiated many trial projects in Shanghai, Qingdao and other cities
- Wifi services have been provided for farmers in 273 villages in Pinggu District, Beijing
- It will be available in the main stadium of 2008 Olympics

WLAN Market in 2007



数据来源：IDC 亚太区 WLAN 设备市场季度跟踪报告 2Q2007，2007 年 9 月

Major WiFi Market

- Enterprise market
  - Medical/Transportation/Hotel and other service sectors
- Internet Service Provider
  - ChinaMobile and other service providers started their deployment
  - Available in Stadiums of 2008 Olympic Games and many hot-spot venues
- Mesh Network
  - Mesh networks have been deployed by Mining/Manufacturing/Enterprise networks
- Total expenditure on WLAN equipement count to 132.8Million US$

Data Source: IDC

Some data about market composition

- WLAN equipment market reached 58.53million US$ in the first half of 2007, increased over 50% than 2006.
- WLAN AP, router and bridge occupied a major part of the share, count to 36.86million US$
- WLAN switch and Mesh equipment increased than 2006, count to 8.74m US$ and 9.00mUS$.
- While WLAN card count to 3.83mUS$, only increased by 0.5%, compared with 2006

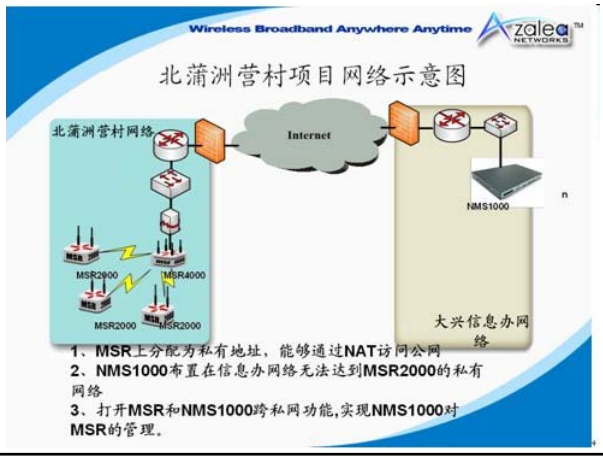
Data Source: IDC

Universal service

- According to the plan of Ministry of Information Industry, a nation-wide project called “Every Village be connected via Telephone service” initiated and carried out by China-Telecom and other major service providers.
- By the end of 2007, Telephone service have been provided to 99.5% of the natural villages, broadband Internet connected to 92% of those villages
- Over 95% villages will be connected by broadband Internet access in 2008, government planned in 2007.
- Training, e-Commerce, database, consulting, and more Internet services will be provided to farmers in rural area.

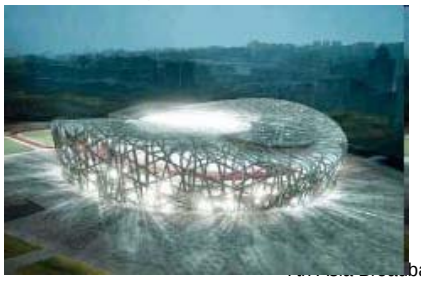
WLAN service network in BeiPu Village

- A full coverage WLAN service network in BeiPu Village of Daxing County. Farmers enjoy the Internet access for their communication, Information, Education and businesses



Be prepared for 2008 Olympic Games

- 9000 WLAN Access Point, and over 150 3.5GHz WiMAX Base stations will be installed
- TD-SCDMA will also be part of the wireless service
- Over 90% area of 2008 Olympics Games will be covered
- Serving over several million people



http://tech.sina.com.cn/t/2007-04-13/00101463143.shtml
http://www.cnii.com.cn/20070520/ca421203.htm

This winter !

- During our Lunar New Year period, We suffered the most severe freezing rain and snowstorm
- In the last month, unusual freezing weather, icy rain and heavy snow have hit 14 southern provinces, affecting traffic, power supply and local people's daily lives

Damages

- Over 33,000 wireless communication base stations stopped service, because of out of power supply or freezing rain damage
- Over 50,000 telephone line pole damaged
- Over 10,000 KM communication cables damaged
- Over 24 million subscribers have been affected
- Over 200 million RMB costed by this disaster

http://www.cnii.com.cn/

http://www.pcpop.com/doc/0/269/269029.shtml

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