OPENING NEW HORIZONS





March 6 2001

COMPANY MISSION

- Establish CNC as a model of new generation telecommunication operator in China by combining modern management approaches with innovative technology
- Dedicate CNC to China's state-owned enterprise reform, telecommunication system reform, and technical innovation

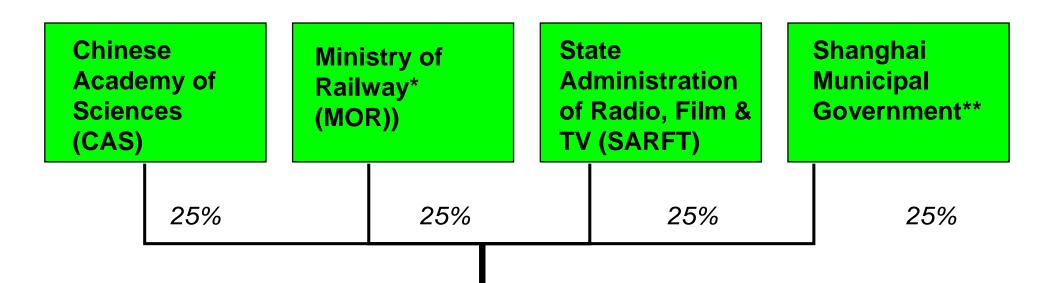


STATE MANDATE

- In February 1999, the State Council named China Broadband Internet Pilot Project approved by the State Development and Planning Commission as a key national development project
- In August 1999, CNC was incorporated as a commercial entity to implement the project to build an all fiber-optic, IP/DWDM backbone network —known as CNCnet, and to provide commercial services



STRONG SHAREHOLDERS





- * Through China Railway Telecommunication Center (CRTC)
- ** Through investment arm Shanghai Alliance Investment Ltd. (SAIL)



E-FRASTRUCTURE

- Upgradeable end to end fiber network: International Marine Cable, Land Cable Backbone, FTTB;
- Open network architecture : IP/DWDM
- Centralized and web based billing, OSS and customer care system;
- Networked IDC (Internet Data Center)







NETWORK CONSTRUCTION PLAN

| | June 2000 | Phase I Year End 2000 | Phase II Year End 2001 | Phase III Year End 2002 |
|----------------------|---|---|---|---|
| Domestic Backbone | | | | |
| Total route | 1,731 km (1,076 miles) ⁽¹⁾ | 9,376 km (5,826 miles) | 19,528 km (12,135 miles) | 36,518 km (22,692 miles) |
| Total cities covered | 7 cities | 17 cities | 70 cities | 120 cities |
| Total capacity | 96 cores | 108 cores | 108 cores | 108 cores |
| Local Access | | | | |
| MAN (2) | Beijing, Shanghai, Guangzhou, Shenzhen | Beijing, Shanghai, Guangzhou, Shenzhen | Beijing, Shanghai, Guangzhou, Shenzhen | Beijing, Shanghai, Guangzhou, Shenzhen |
| Total route | 14 km (9 miles) | 280 km (174 miles) | 580 km (360 miles) | 880 km (547 miles) |
| JV/LMDS | 1 city | 6 cities | 20 cities | > 20 cities |
| International (3) | | | | |
| China – U.S. route | 314 Mbps | 422 Mbps | 422 Mbps | 422 Mbps |
| Asia/Other | 30 Mbps | 40 Mbps | 1.2 Gbps | 1.2 Gbps |

Motos



⁽¹⁾ Excludes two fiber strands totaling 5,131 kilometers (3,188 miles) from two shareholders

⁽²⁾ Metropolitan Access Network

⁽³⁾ China-to-Europe route currently under negotiation

PHASE ONE NATIONAL BACKBONE NETWORK

• Total route: 8,490 KM

• Bandwidth: 40G

• Stations: 106, including 89

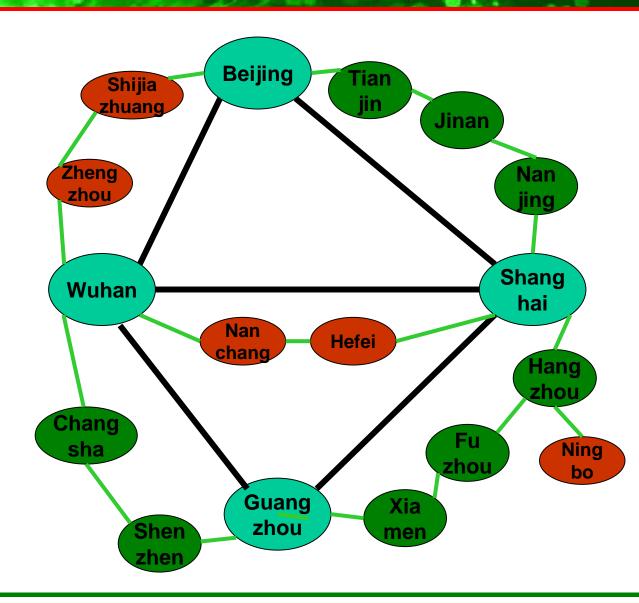
relay stations and

17 POPs





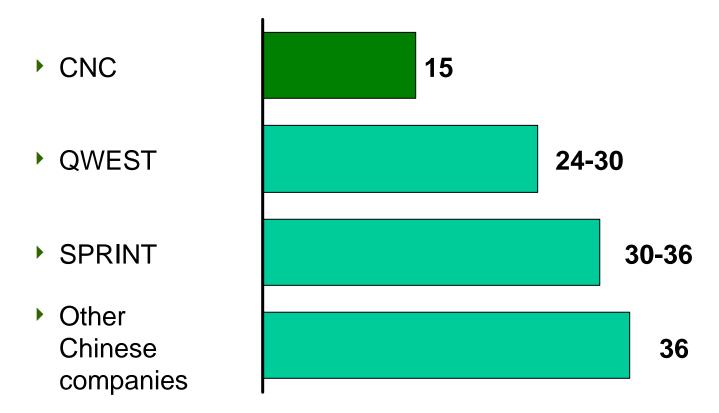






CNC NETWORK CONSTRUCTION SPEED IS ONE OF THE FASTEST IN THE WORLD

Nationwide backbone network construction speed Month



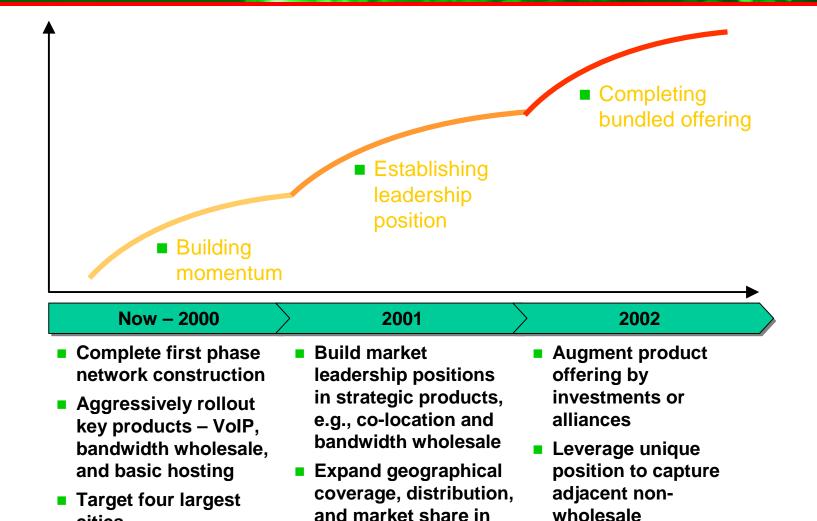


CNCNET HAS "BEST-OF-BREED" PERFORMANCE

| Network | Performance indicator Latency | | |
|---------|-------------------------------|--|--|
| CNCNet | ≤80ms | | |
| UUNet | ≥85ms | | |



PHASED STRATEGY TO OFFER BUNDLED SERVICES AND ACHIEVE MARKET LEADERSHIP



other product lines

opportunities (e.g.,

wireless)



cities

OUTLOOK: POLITICAL

- Stable political system with a strong central government committed to reform
- China's joining the WTO is imminent, followed by opening up the market for foreign participation
 - Joint Venture
 - Direct equity investment



OUTLOOK: REGULATORY

- Pace of "de-regulation" will be faster than most countries
- More licenses will be issued to new & existing operators, e.g.
 - Fixed national networks
 - Mobile networks
 - Regional networks
 - Metropolitan networks
- Regulations governing network inter-connection will be more comprehensive & enforceable



 Internet will continue to be a major driving force for market growth

- International ISP/ICP
- E-commerce services & application providers
- IP/International based services & applications providers

 Co-location with a major Chinese operate to provide immediate coverage & bandwidth at minimal initial investment



 Very competitive market for basic services with sufficient & affordable domestic bandwidth

 Value-added services providers with heavy demand for bandwidth

- Foreign investment in basic infrastructure may not generate high return of investment
- Strategic alliance with a national bandwidth provider to provide coverage



Significant growth of international traffic from major Chinese cities & Hong Kong (transit)

- International carriers
- Consortium for new international cables

 Joint investment with a Chinese operator requiring international bandwidth



Services quality will become more important

- Network management applications providers
- Billing applications providers
- Call centers application & Services providers

- A huge market to be explored
- The IP telephony market is becoming more competitive and generates more opportunities



