

IPv6 Deployment Efforts in China

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Topics

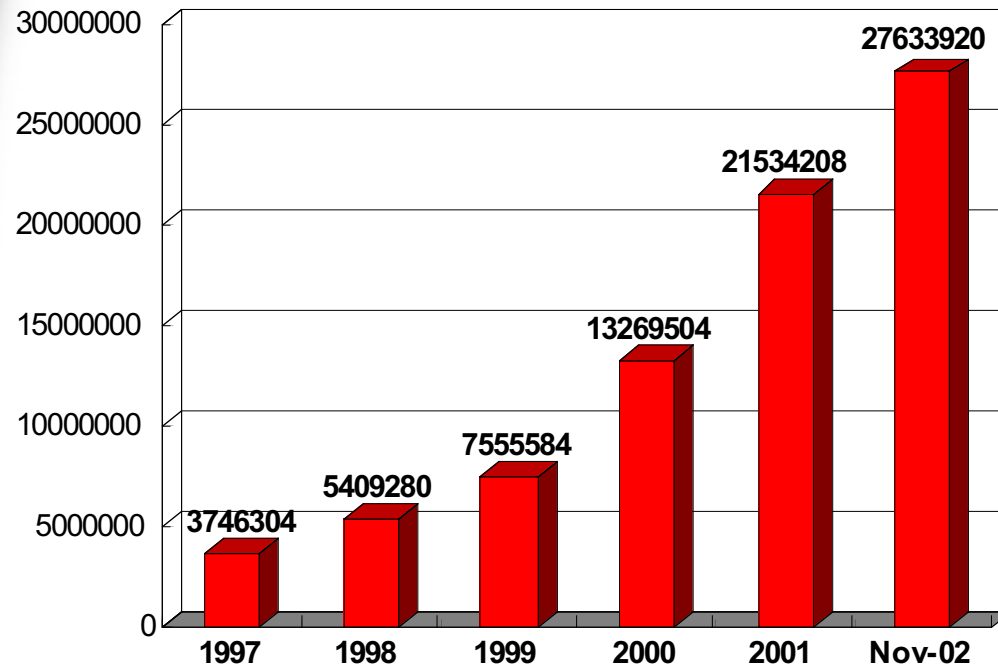
- IPv6 China Dream and Challenges
- IPv6 Deployment Status in China

China: Potential of development

Type of User	Number of User	Penetration Rate
Fix Line	212,68M	31.99%
Mobile	200,31M	14.95%
Internet	58,00M	4.315%

•Data from MII

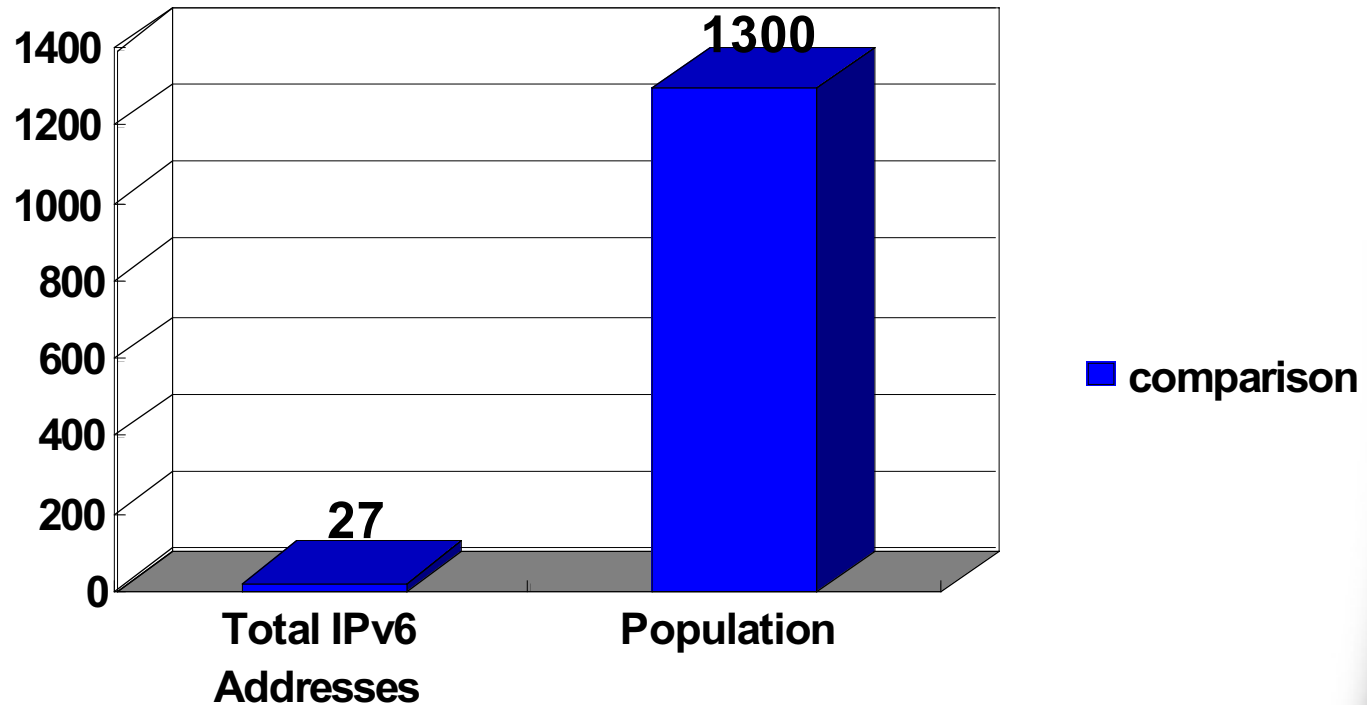
IPv4 Address in China



•Data from APNIC

The total number of v4 addresses will exceed **2** As next year

Enough Addresses ?

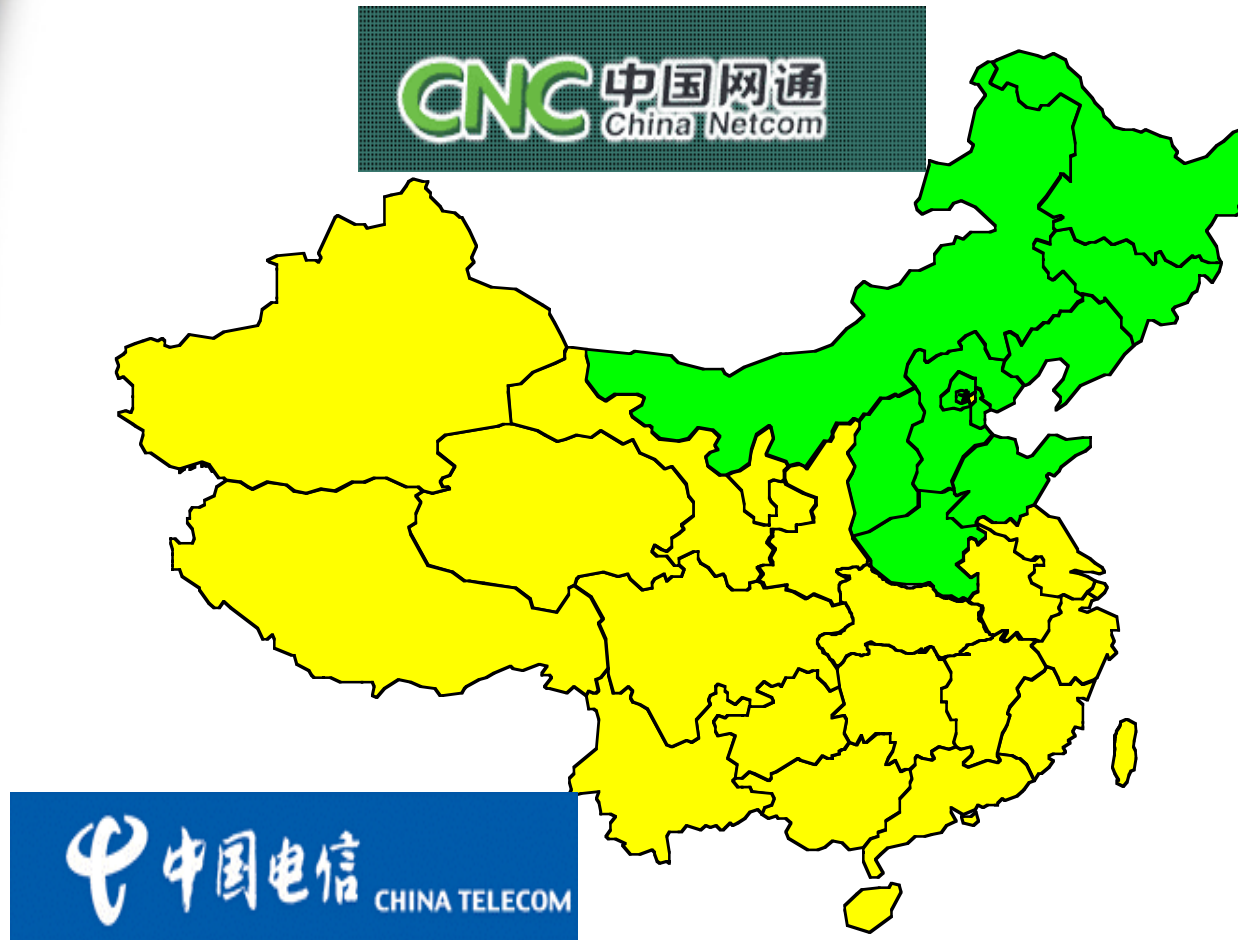


We need **78** more As if every Chinese have to get a v4 address

China Telecom Restructure



China Telecom Restructure



China Dream → China Challenge

- China has experienced its own downturn in network investment this year
 - In the near term, restructure has led to a capital expenditure freeze
- China telecom operators care about ROI more than ever
 - More competition, Public listed
- The potential Chinese IPv6 market wants more than just hardware,
 - software for network management, clear transition strategy, IPv6 e-services, billing systems, etc.

China IPv6 Status

- CERNET 3ffe:3200::/24 Nov., 1998
- CERNET 2001:250::/35 April , 2000
- BII 3ffe:81b0::/28 April, 2001
- CSTNET 3ffe:8330::/28 Jan, 2002
- BII 2001:03f8::/32 July, 2002
- ChinaTelecom 2001:0C68::/32 Aug,2002
- CSTNET 2001:0CC0::/32 Nov, 2002

Japan and China in IPv6

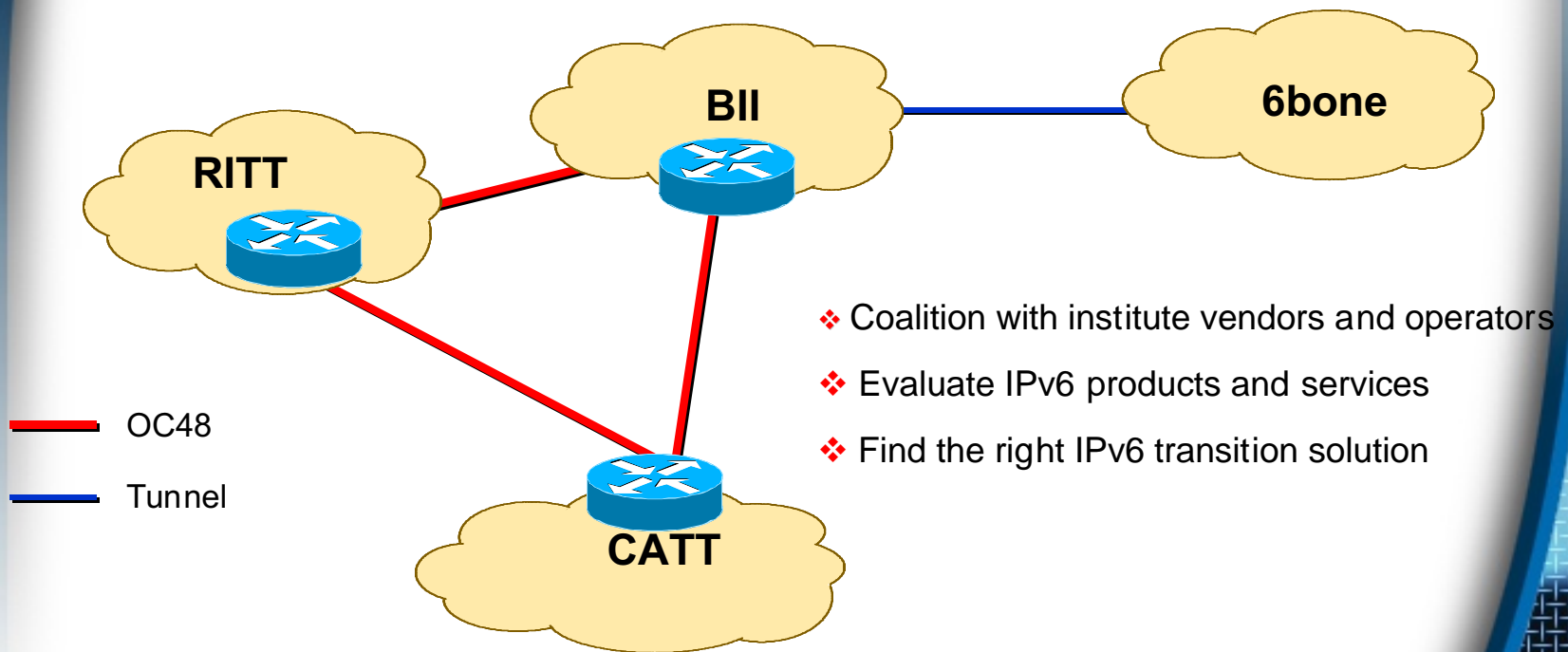
- There are at least 2 government IPv6 projects between Japan and China.
- Leveraging IPv6, some Japanese companies, esp. hardware vendors, is entering into China data communication market.
- All these efforts greatly push forward IPv6 development in China.

IPv6 Telecom Trial Network(6TNet)

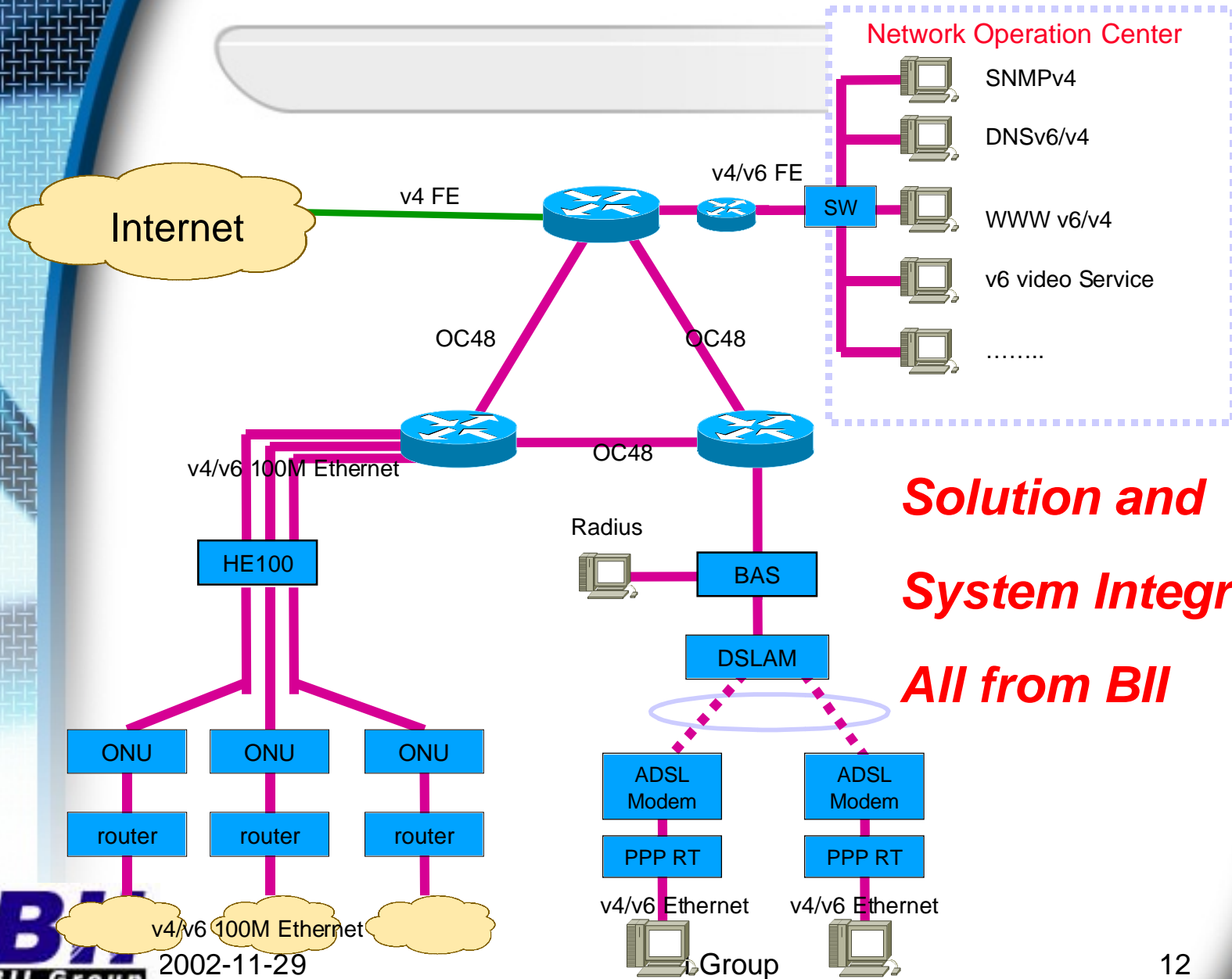
CATT: China Academy of Telecommunications Technology

RITT: Research Institute of Telecommunication Transmission

BII: Beijing Internet Institute



ChinaTelecom IPv6 Trial Network



***Solution and
System Integration
All from BII***

Vision of IPv6 in China 2003

- Government support
- International collaboration
- More IPv6 trial networks
- More R&D and local IPv6 products
- No large-scale IPv6 network or transition

The 2nd China IPv6 Summit will be held by BII in April 2-4, 2003, I am looking forward to seeing you there.

Thank you !