

The Road of Digital Infrastructure Construction in China : Barriers and Experiences

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I Definition of Digital Infrastructure

The infrastructure of cloud computing and big data technology make the use of computing resources convenient and low cost



expands to the "Internet of things" field over 27 million users on China Mobile's Internet of things platform nearly 100 million of accessed terminals

PC, mobile devices, wearable devices, sensors, and even APPs

directly contact with users, it's the source of data and the interface for service provision.

II Challenges of Developing Digital Infrastructure in China

01

a big gap between China's network speed and that of the advanced level in the world, as well as expectations of users

02

high proportion of network charges to per capita income

03

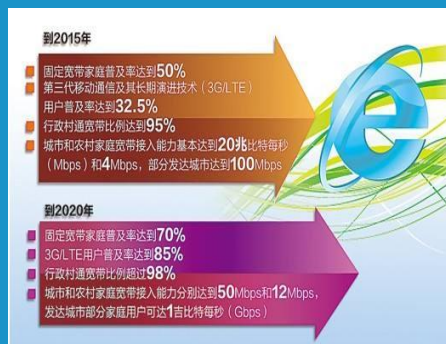
its unbalanced development in rural and urban regions

04

unsatisfactory service quality

III China's Policy and Experience for Developing Digital Infrastructure

Broadband China



- ◆ China introduced the strategy of "Broadband China" in 2013. MIIT has vigorously implemented "Broadband China" campaign for three years.
- ◆ 117 "Broadband China" model cities (urban agglomeration).
- ◆ By the end of July 2017, average fixed broadband access rate increased by 145%, from 20.1Mbps at the end of 2015 to 49.3Mbps
- ◆ Fiber to home users reach 270 million, accounting for 81.8% of China's broadband users.
- ◆ 4G users reach a total of 910 million, accounting for 66.3% of mobile phone users, and it will reach 70% by 2020.
- ◆ Mobile broadband users penetration rate reaches 62.6%, the national planning index by 2020 to 85%.

III China's Policy and Experience for Developing Digital Infrastructure

Speed up and cost down



- ◆ "Up" is enhancing the competitiveness of enterprises; "down" is cutting the total cost of society.
- ◆ Fixed broadband average bandwidth per unit cost decreased by 80.3%.
- ◆ Mobile tariff fell from 91.6 yuan /G in May 2015 to 29.5 yuan /G in July this year, a drop of 67.8%.

III China's Policy and Experience for Developing Digital Infrastructure

"Internet Plus" action plan



- ◆ Premier Li Keqiang first proposed the "Internet plus" in the government work report in 2015.
- ◆ MIIT proposed guidelines for the integrated development of China Manufacturing 2025 and "Internet Plus" , emphasizing "Internet plus manufacturing".

Popular Entrepreneurship and Innovation



- ◆ MIIT focus on policies, improve mechanisms and gather resources to build a favorable ecological environment.
- ◆ The goal of "China Maker" : focus on the industrial chain to create an innovation chain
- ◆ www.CNMaker.org.cn

III China's Policy and Experience for Developing Digital Infrastructure

Improve statistics and monitoring



- ◆ MIIT has begun to explore and study the establishment of value-added telecommunications business statistics system.
- ◆ Fujian province carried out the statistical work of the Internet industry, and promoted the statistical system for the development of the Internet economy.

IV Practice and Model of Digital Infrastructure Construction in China

Mixed ownership reform of telecom operators

- ◆ China Telecom proposed a mixed ownership oriented economy, trying to operate through a variety of capital, exploring mixed ownership in some of its Internet-based business.
- ◆ China Unicom will actively introduce large Internet companies, vigorous industry groups and financial firms, as well as leading industry funds.

Telecom operators work with Internet Co.

- ◆ China Unicom set up China Unicom e-commerce Tencent cooperation operation center and China Unicom e-commerce Ali cooperation operation center.
- ◆ China Telecom has launched six customized SIM cards that work with Internet Co.

Thank you !

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