



China Telecom Provides Boost to mHealth Industry

China Telecommunications Corporation

Contents

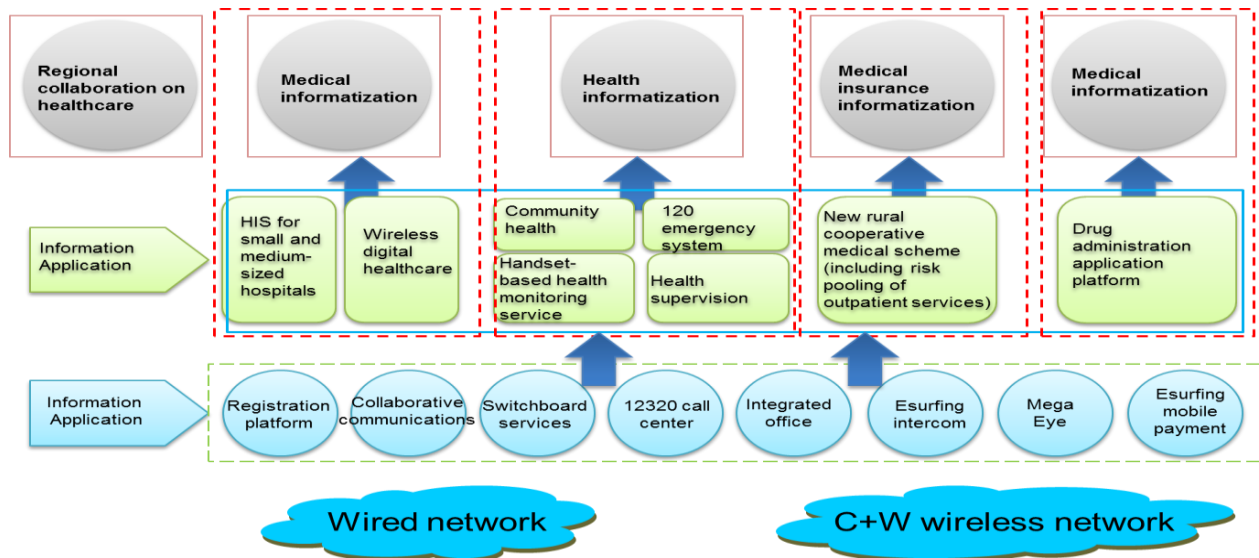
- **China Telecom's exploration in mHealth**
- **China Telecom supports the development of mHealth industry**



China Telecom has participated fully in the construction of healthcare IT facilities



- It has participated in the construction of healthcare IT facilities since 2009, involving the overall solutions ranging from network to applications;
- Its 31 provincial subsidiaries all have set up digital healthcare teams, responsible for promoting healthcare IT projects; specialized support teams have been established by the specialized companies within China Telecom to provide supports in product development and other IT-related aspects



Exploration in mHealth – Wireless digital healthcare

■ Oriented to level 2 and 3 hospitals, the in-hospital information systems have been moved to mobile terminals such as handsets and PDA via mobile Internet, providing the hospital officials and doctors with support in access to healthcare information, planning and performing medical tasks

■ Effectively enhanced hospitals' efficiency, reduced the probability of medical incidents and improved management efficiency

✓ Has covered **20** provinces, serving **68 000** physician users



Exploration in mHealth - Public health-oriented wireless community applications

■ Door-to-door medical services\real-time collection of visit data

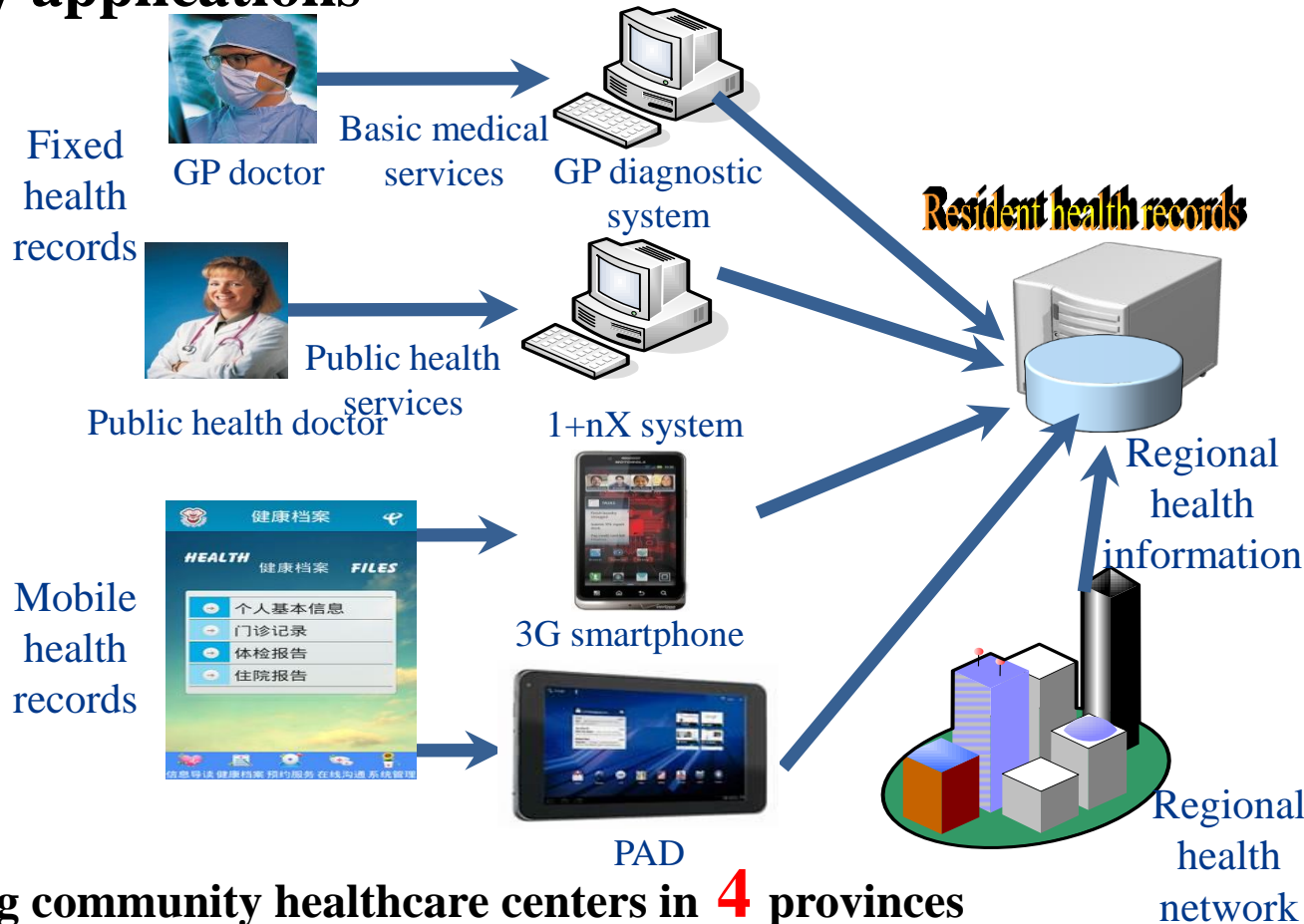
- with 3G terminals, users can inquire about residents' health information and acquire related visit data in a real-time manner

■ Strengthen regulation over community services, gradually improve service standardization

- extract management data from community health service data, using real-time data to reflect the performance of service management

■ Enhance the scientificallness and timeliness of policymaking

- Data inquiries performed on wireless terminals can enable the community administrators to make timely and accurate decision and analysis, diversifying their management tools

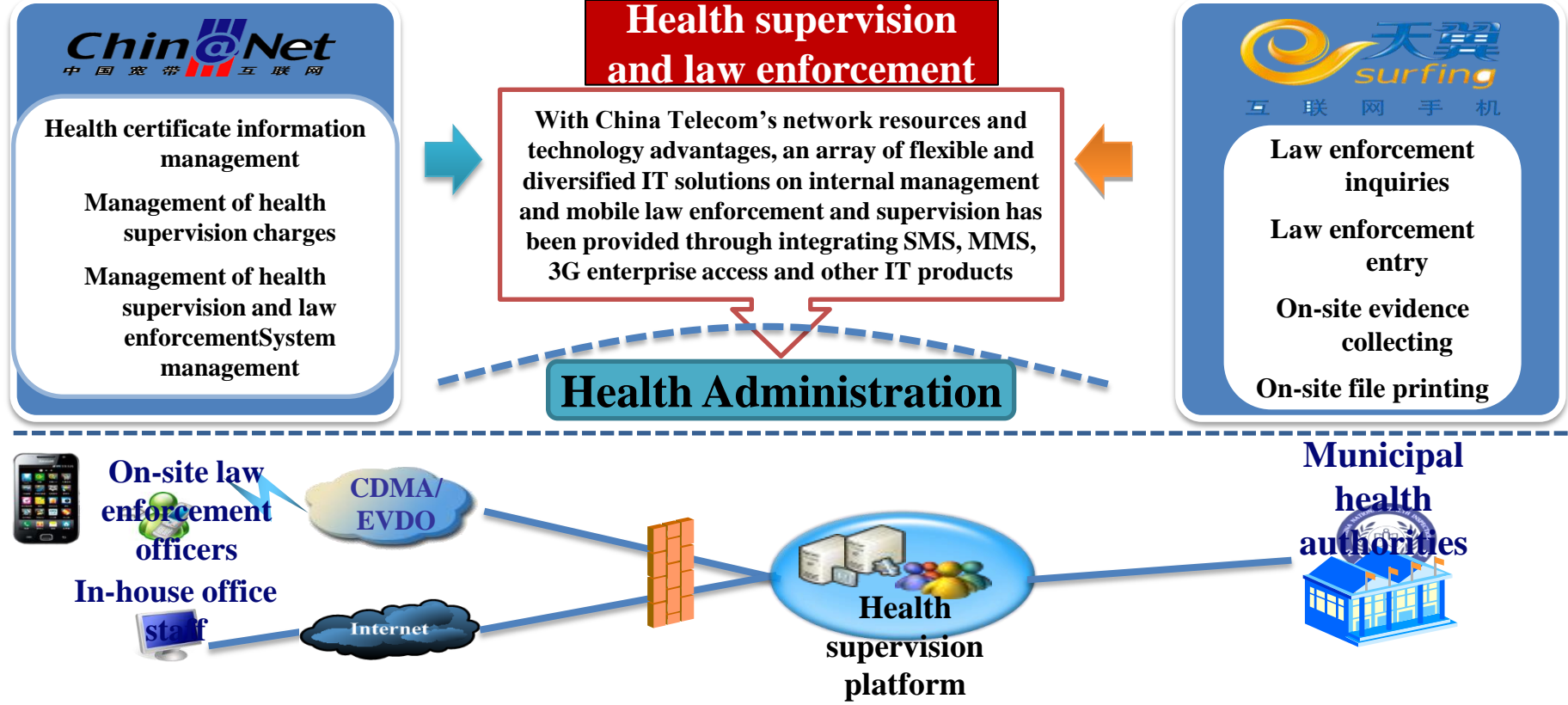


✓ **2800** GP doctors serving community healthcare centers in **4** provinces

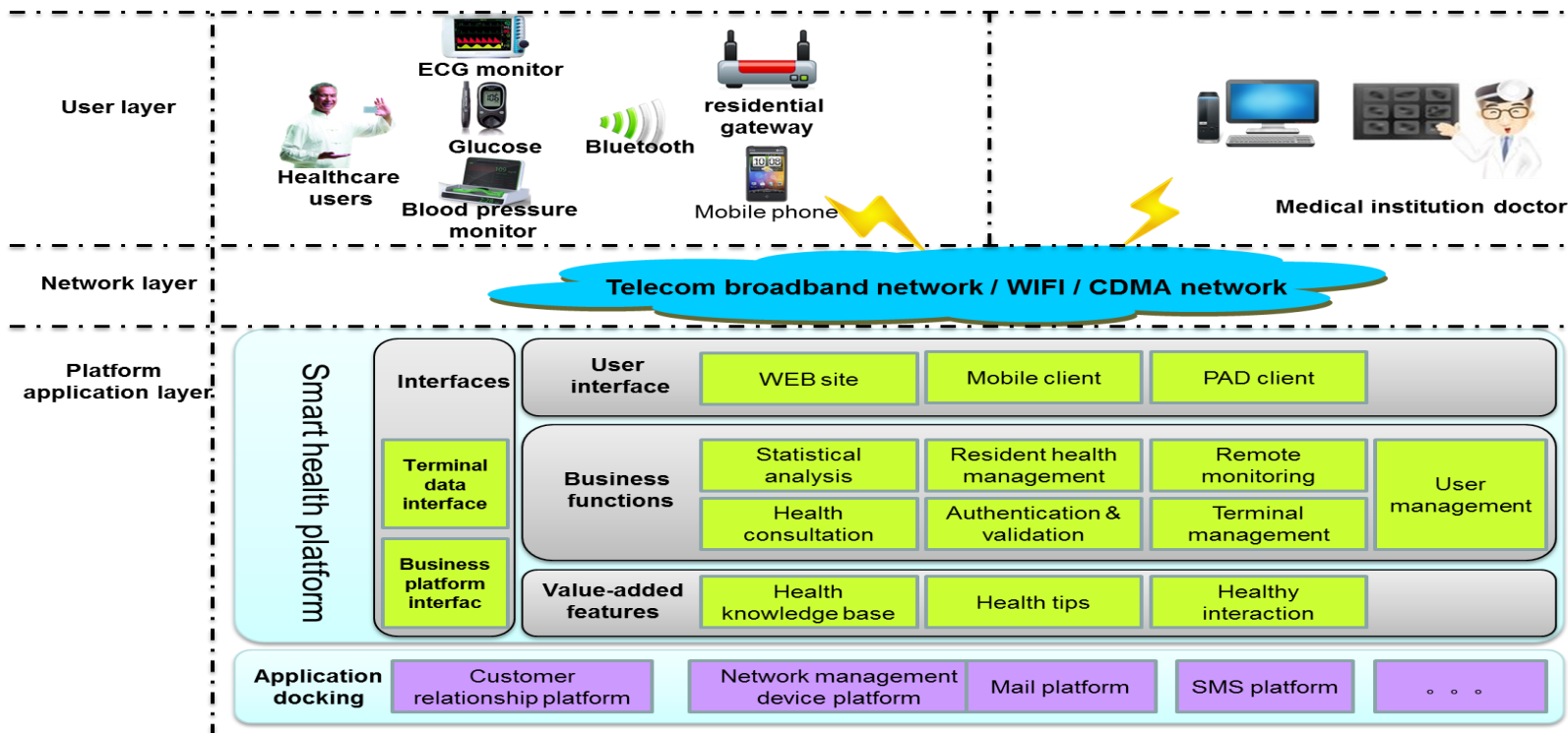
Exploration in mHealth - Administration department-oriented supervision and law enforcement applications



Realized management of health supervision license, health certificate, supervision charges, health supervision & law enforcement, weekly work reports and systems



Exploration in mHealth – Individual health management services



- Remote health management systems are deployed on the basis of cloud computing
- 7*24 hours of feedback, health guidance, advices, reminders, health reports on individual physical signs (such as ECG, blood pressure, blood sugar, etc.)

Exploration in mHealth – Esurfing Yixintong (an healthcare information platform)

With Esurfing Yixintong products, patients can access to a variety of hospital services on their mobile phones, which include guide to medical treatment and clinic, consultation, appointments, personal files, and health management; hospital can use this platform to track the service processes and improve patient satisfaction.



Exploration in mHealth - Community health private cloud applications based on cloud computing

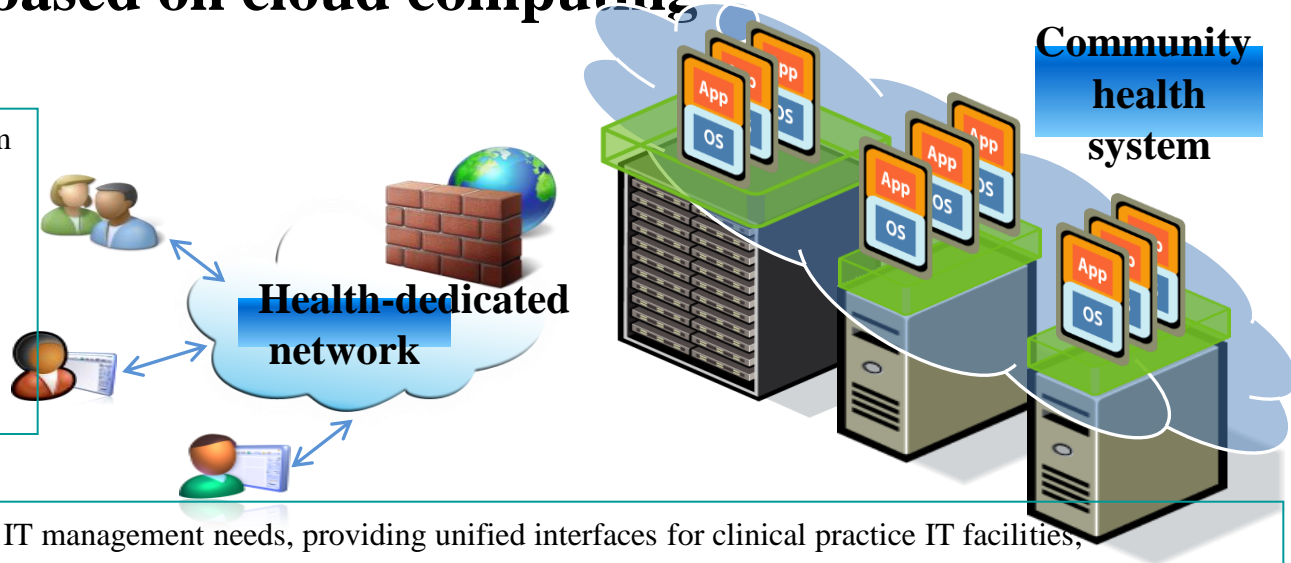


Application environment

- Build a unified HIS medical union platform for small and medium-sized hospitals;
- These hospitals access the platform via CDMA VPDN or dedicated fixed lines;
- SOA architecture is adopted, and community hospital applications are deployed according to their needs

Features

- The cloud data center has integrated shared IT management needs, providing unified interfaces for clinical practice IT facilities;
- Electronic service processes of small and medium-sized hospitals, such as outpatient registration, pricing/charging, drug dispensing, drug storage, pharmacy and inquiries from the management, can be realized with low costs and threshold;
- Systems are able to run stably on a 7 days per week and 24 hours a day basis; some counter services (for example, clinic pricing/charging, drug dispensing, etc.) are required to be operating in a uninterrupted, real-time manner;
- Bundled with carrier-grade service system, these applications are able to provide quality services featured fast run, security isolation and low-cost maintenance;
- Cloud computing resources are deployed with flexibility, and the platform is scalable.



Contents

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Brief Introduction of China Telecom



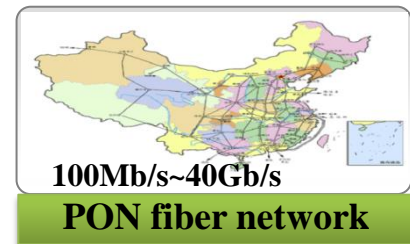
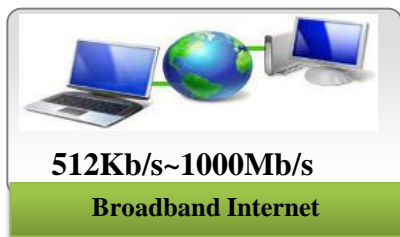
- Being a large state-owned communication enterprise, the company has a registered capital of 158 billion RMB. The revenue in 2012 was 283.073 billion Yuan with a growth rate of 15.5% and a profit of 14.9 billion.
- As an integrated information service provider, it has 170.19 million mobile subscribers, 94.15 million fixed line broadband users and 161.03 million fixed line users.
- There are 31 provincial branches, one overseas branch and many R&D institutions as well as ICT subsidiaries.
- Being the holding company of two listed companies abroad: China Telecom Corporation Limited (listed in HK and New York), China Communications Service Corporation Limited (listed in HK) .

FORTUNE 500²⁰¹²

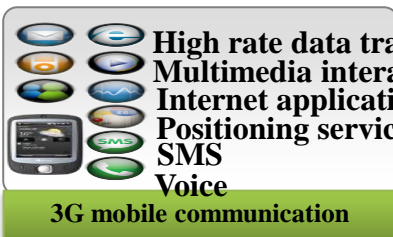


The Advantages of China Telecom in Providing Support to mHealth Industry

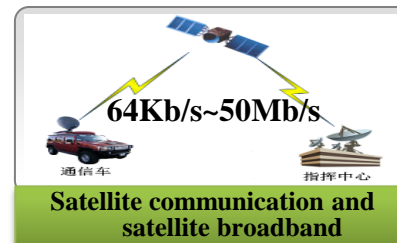
- China Telecom has established an integrated communication network which can provide space, over-the-air and terrestrial services, boasting a comprehensive communication transmission network which is all-inclusive, high rate, reliable and can offer big capacity service via multiple means. The network is **mainly composed of fiber cable and 3G mobile network supplemented by satellite and data microwave service.**



Wire line



Wireless



Satellite

The Advantages of China Telecom's Nationwide Service System

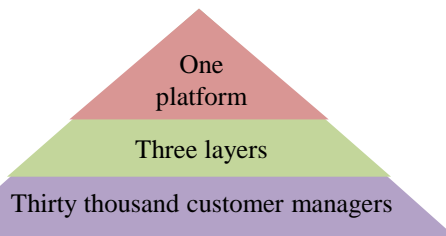


The industry solution team of China Telecom

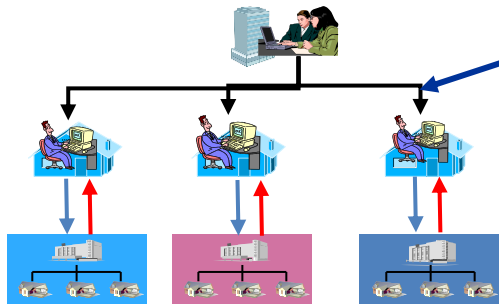


Customize integrated solution
for the industries, targeting at
their segmented markets

*One contact
point for all
services*



Virtual service team



County-level government
and enterprise service
department of China
Telecom

Local one-to-one
service

Prefecture-level government
and enterprise service
department of China
Telecom

Cross-county
service

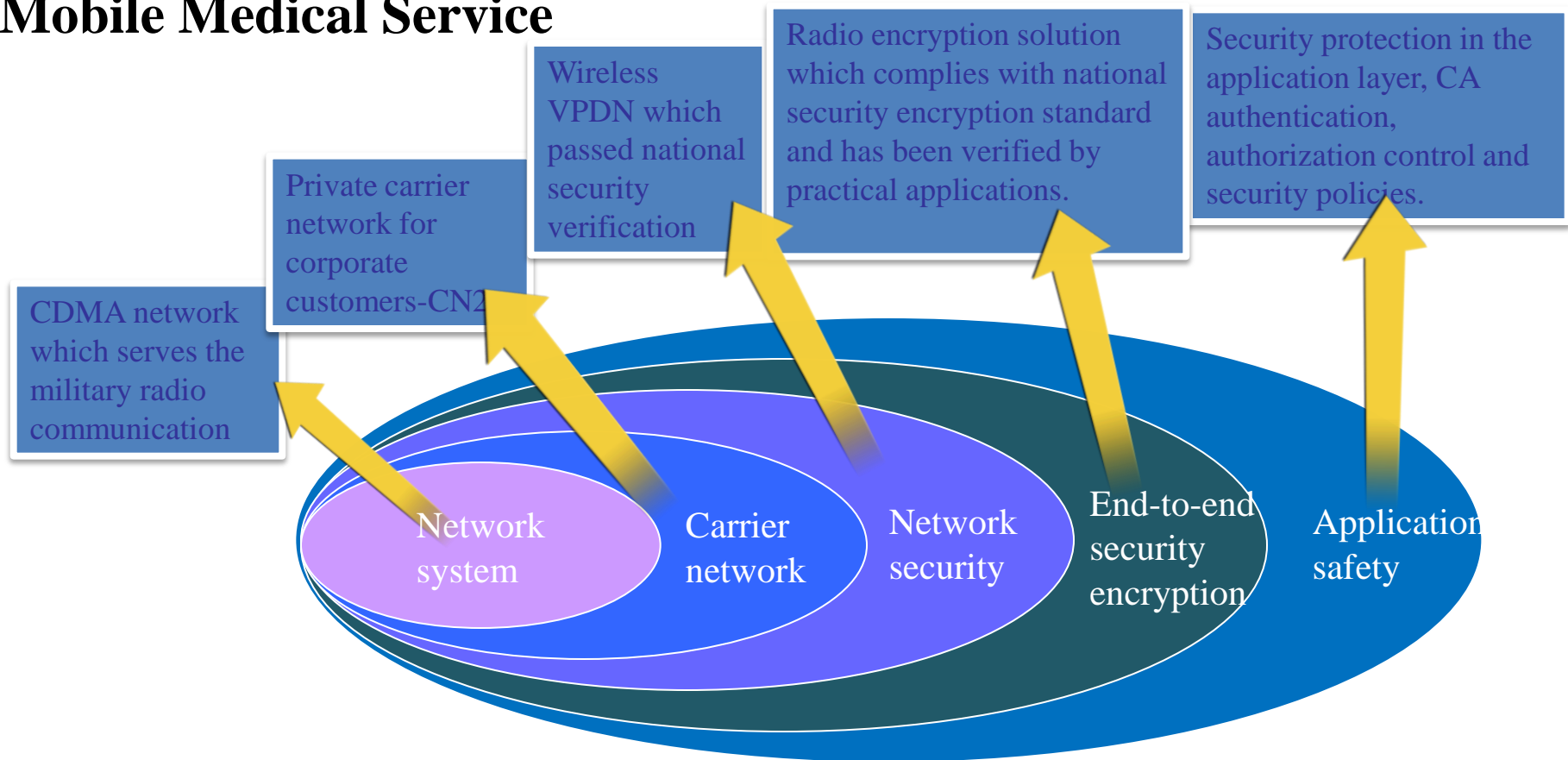
Provincial-level government
and enterprise service department
of China Telecom

Cross-city customer
service for government
and enterprises

Horizontal : Service team composed of provincial and city-level customer managers and local network managers

Vertical : customer manager, technical manager, product manager, service operation manager (project coordination), background engineering and maintenance staff all participated in the provision of overall support

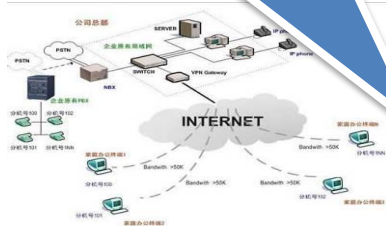
The Security Guarantee System of China Telecom for Mobile Medical Service



China Telecom Forges an Open Platform which Attracts the Elites of the Industry



Unify the management of service and contents, while shielding the ground layer network by means of its capacity in telecom services

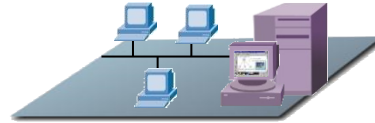


ISAG, ISAP of China Telecom

Set up partner management, billing interface and authentication interface



Customer Service provision



Cooperation management



Partner SI

Realize three unifications: unify service access, service portal and authentication billing



CTG-MBOSS support system

Unify O&M and provide dedicated network management.

Improve service quality by complementing the advantages of one with those of the others, cooperation and integration of the industrial chain



Thanks!