

# Global Internet Service

As the world's largest fixed-line and broadband service provider, you can rely on China Telecom as your best partner for Global Internet Service.

Equipped with a powerful Internet network, ChinaNet (AS4134) has the largest number of broadband subscribers and best access channel into the China Internet market.

CN2(AS4809), our world leading MPLS/IP network also offer highly efficient global transit services to further optimize the end user experience.

## Service Options

- **ChinaNet Paid-peering** - Provides worldwide telecom operators with one-hop access to China Telecom's Chinese internet resources
- **China Access** - Provides regional/local ISP/ICP with cost effective Chinese internet resources solution
- **Global Transit** - Provides global internet service with SLA guarantee to telecom operator customers
- **Global Internet Access** - Provides premium internet access between mainland China and countries outside China with SLA guarantee to the regional/local ISP/ICP and enterprise customers

## ChinaNet Paid-peering

ChinaNet Paid-peer offers global telecom operators with one stop access to China Telecom's Chinese Internet resources including Internet contents and millions of users with advantages such as high speed, high content quality, large Internet subscribers and excellent network services.

- ChinaNet has more than 2.3 million Chinese websites. It manages 64.7% of Chinese Internet domain names and owns more than 70% of Chinese Internet content resource. ChinaNet also provides customers with plenty of resources including information, video, real-time chatting tools, online trading, games, search engine, information services and so on.
- ChinaNet has 102 million cable broadband subscribed users – accounting for 52.76% of broadband access market in mainland China, with the proportion of over 2M access reaching 98% nationwide. With the rapid development of China mobile market, we have developed over 103 million 3G mobile Internet subscribers. ChinaNet is best for the communication between global enterprises and mainland China enterprises.

### NO.1 on customer basis and NO.10 (NO.2 within Asia) on wholesale basis

#### Customer Base: Wholesale (Top 25)

6	Teleglobe Inc AS 6453
7	TeliaNet Global Network AS 1299
8	Cogent Communications AS 174
9	Deutsche Telekom AG AS 3320
<b>10</b>	<b>China Telecom AS 4134</b>

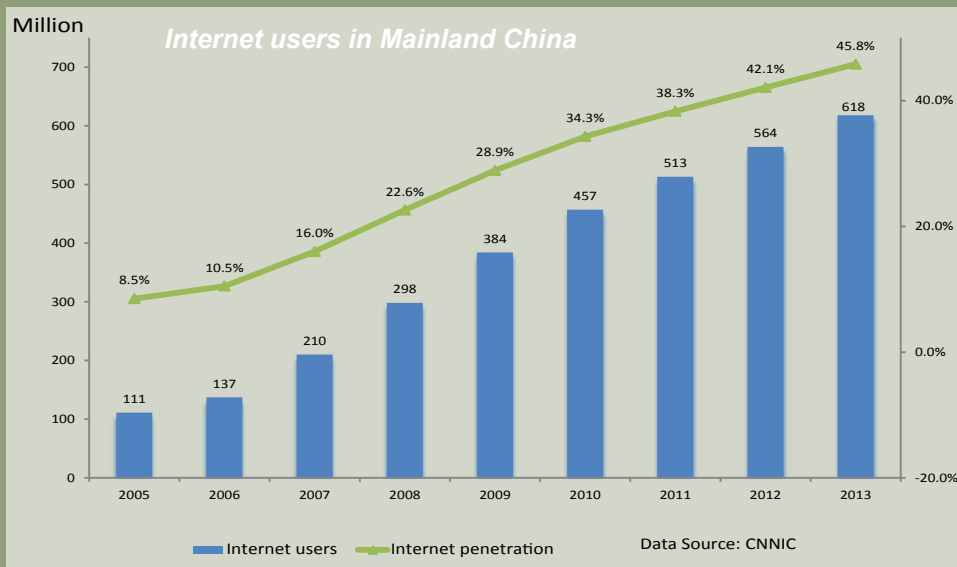
#### Customer Base: Retail (Top 25)

<b>1</b>	<b>China Telecom AS 4134</b>
2	Level 3 Communication, LLC AS 3356
3	AT&T WorldNet Services AS 7018
4	MCI Communications Services, Inc. d/b/a ver
5	Qwest AS 209

From: [http://www.renesys.com/products\\_services/market\\_intel/index.shtml](http://www.renesys.com/products_services/market_intel/index.shtml)

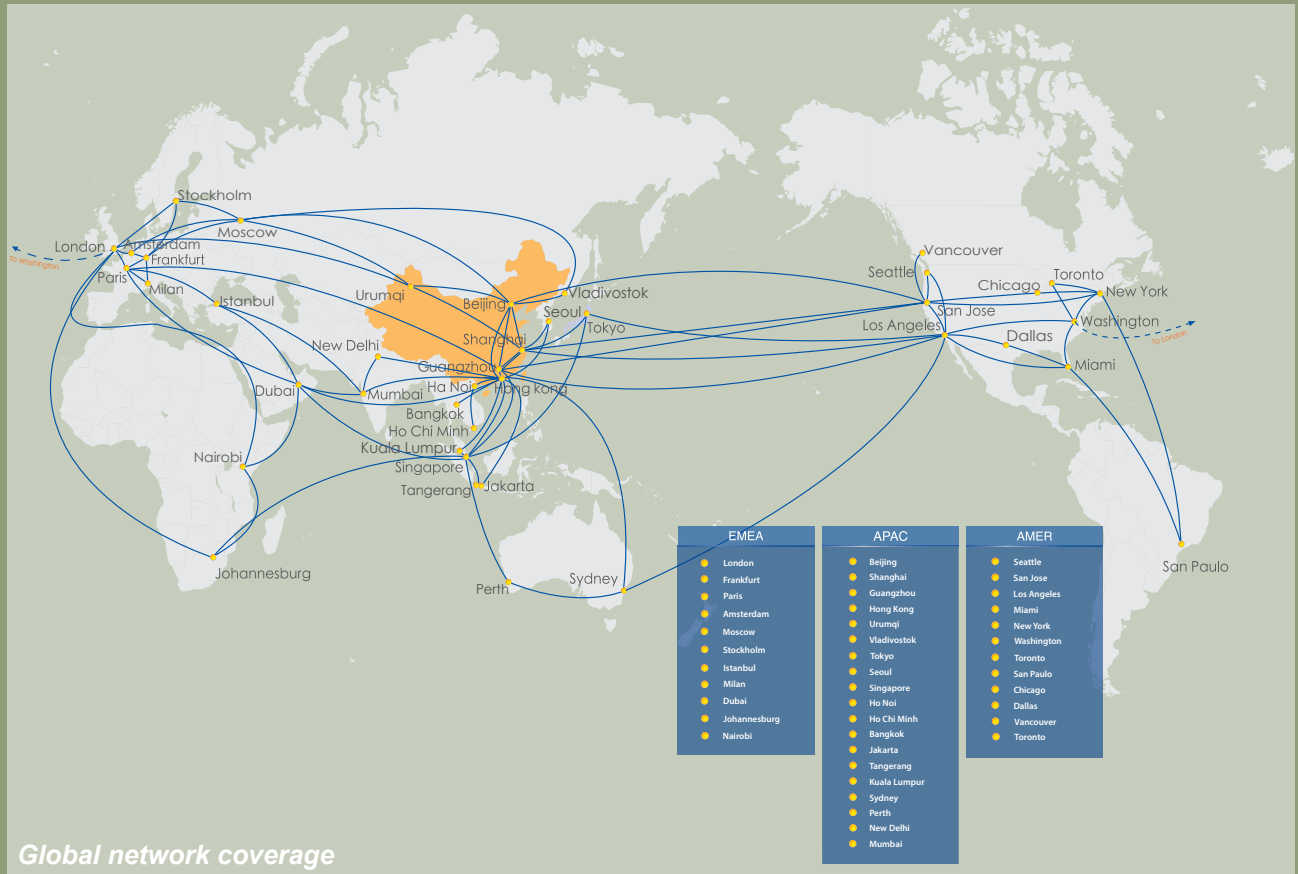
## China Access

Powered by the extensive interconnection with other telecom operators in China, China Access offers customers with a cost effective internet resources solution. By connecting to ChinaNet (AS4134), customers are able to access to Chinese contents and millions of internet users in China.



## Global Transit

China Telecom's global Internet service offers reaches everywhere around the world via CN2 (China Telecom Next Generation Carrier Network AS 4809) with highest resiliency, redundancy and low latency. By connecting to CN2, China Telecom provides global telecom operators with differentiated Internet transit services of scalable bandwidth, outstanding connectivity, flexible billing options and rich product features. China Telecom's CN2 coverage is as shown below:



### Key Features and Benefits

Leveraging on extensive connections to global top-tier upstream partners and a wealth of terrestrial and submarine cables, CN2 can provide high-speed and low latency transit service.

- Worldwide coverage: more than 300 Pops including all China's cities and major cities worldwide
- High stability: highly redundant and reliable service with industry competitive SLA
- Light loading: no more than 50% of the transmission channel utilization ratio to ensure quality of service
- Flexible Billing options: providing fixed monthly charges and burstable billing based on contingency usage (95th percentile) model
- Multiple access options: SDH (2M and above) or Ethernet (1M -1000M)
- Regional specific-route: BGP-4 with providing full routes or regional specific routes
- Safety policy: ensuring network security with AS-SET updates, DNS Registry and Anti-DDoS service
- Web-based customer Portal: offering reports on utilization of link and network performance
- 7 X 24 proactive network performance managing and monitoring with highly qualified engineers

## Global Internet Access

Global Internet Access (GIA) is a global Internet access service provided by China Telecom for enterprises. This offers a premium China access between mainland China and counties outside China enabling you to access the most extensive and leading Chinese Internet resources and millions of Internet subscribers.

### *Premium China access solution*

With a dedicated path and the lowest latency routes on CN2, GIA provides enterprises with premium quality access to the world's most extensive Chinese Internet Information Centres.

### *Provide a variety of access options*

GIA enables enterprises access to China Telecom CN2 through BGP-4 or static routing with a variety of access speeds on bandwidth from 1M to 1000M, and Internet access technologies including dedicated circuits access and optical access, etc.

### *Tailored information and communication solutions*

China Telecom also provides enterprises with information, connection and transmission, business application support and other services.

- **Plus IDC Services:** With access to the data centres of China Telecom and its global partners, customers can achieve high speed access to both local and global Internet resources
- **Plus Managed CPE services:** Based on global ICT implementation capabilities, China Telecom provides customers with Internet and network terminal equipment integration services
- **Plus IP Sec services:** With Integration of Global Internet Access Service and IP Sec platform, customers can receive a more comprehensive and cost-effective VPN service
- **Plus Anti DDoS prevention service:** With professional Black-hole and cleaning Pipe for mitigation of DDoS attacks, China Telecom protects your daily business operation from DDoS attacks

### *Quality service guarantee*

Global Internet Access provides 7 X 24 performance monitoring services, ensuring customer's network flow and service quality.

## Service Level Agreement (SLA)

China Telecom provides customers with the highest SLA in the internet industry, providing its high-quality internet backbone service.

- Network Availability 99.99%
- Service Availability > 99.9%
- Average Network Latency
  - Hong Kong - Mainland China < 50 ms
  - Singapore – Mainland China < 80 ms
  - Asia (Intra-Asia) < 150 ms
  - Europe – Asia < 240 ms
  - Transatlantic < 90 ms
  - Transpacific < 130 ms