New CT Peering Policy with CTGNet
AS 23764

China Telecom

About China Telecom

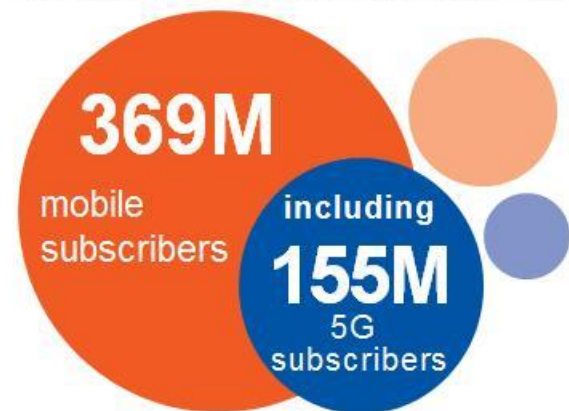## World's largest

network with the most Internet users,

168M broadband subscribers, and

World's largest

4G LTE FDD mobile operator with

369M mobile subscribers

including 155M 5G subscribers

World's most extensive network of Chinese Internet information,

中文 with more than **2.8M** Chinese websites

and over **400** IDCs in mainland China

Inspire Your Internet

ChinaNet AS4134

Retail Ranking		
Rank	Global	Asia
1	Level 3（3356）	China Telecom (4134)
2	AT&T	Softbank BB Corporation
3	Cogent	China Unicom
4	China Telecom (4134)	CERNET
5	Softbank BB Corporation	VNPT Corp
6	Uninet	CHINA RAILWAY（CRNET）
7	China Unicom	Guangdong Mobile
8	CenturyLink	KORnet Powered BY Korea Telecom
9	CERNET	KDDI
10	Verizon Business	BSNL

No.1 in Asia Retail Customer Base
No.4 in Global Retail Customer Base

Wholesale Ranking		
Rank	Global	Asia
1	Telia Carrier	NTT
2	Level 3	Tata Communications
3	Cogent	Cogent
4	Tata Communications	Sprint
5	NTT	Telia Carrier
6	GTT	PCCW Global
7	Hurricane Electric	Level 3
8	Telecom Italia Sparkle	Hurricane Electric
9	Sprint	Telstra Global
10	PCCW Global	GTT
	20、China Telecom (4134)	11、China Telecom（4134）

No.11 in Asia Wholesales Customer Base
No.20 in Global Wholesales Customer Base

Traditional CT Peering Policy

- 4134 (CN) hosts content, retail & consumers
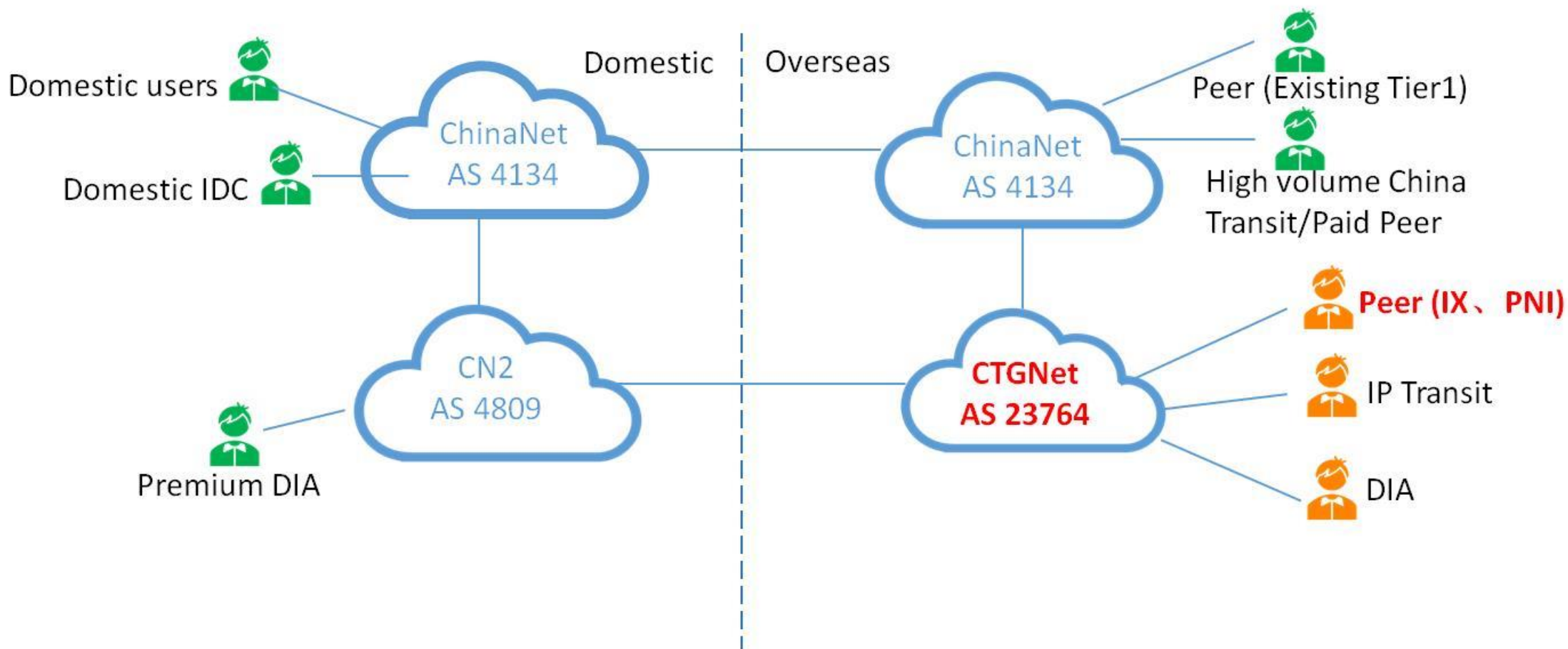- 4809 (CN) hosts Premium Enterprises/Organizations

- 4134 (Int'l) Peers T1 & opens to Paid peer
- 4809 (Int'l) Focus IP Transit & DIA
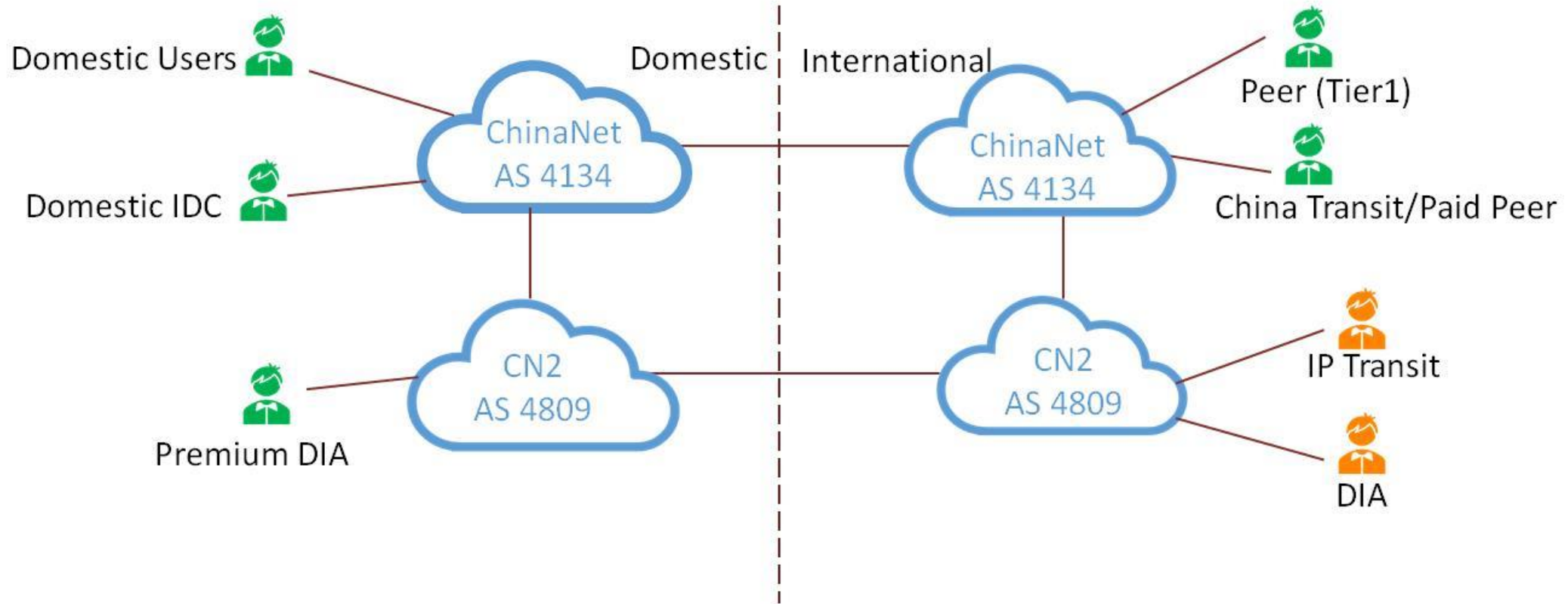
New CT Peering Policy

- 4134 ChinaNet remains confine peer with Tier 1 and high volume ChinaNet traffic.
- 23764 CTGNet will be open to peering and open to IX connection in Asia.
- 4809 will cease public peering.

Domestic | Overseas

Domestic users

Domestic IDC

ChinaNet
AS 4134

ChinaNet
AS 4134

Peer (Existing Tier1)

High volume China
Transit/Paid Peer

CN2
AS 4809

CTGNet
AS 23764

Peer (IX、PNI)

IP Transit

DIA

Premium DIA

CT supports Mutually Agreed Norms for Routing Security (MANRS)

Organization Name	ASNs	Action 1: Filtering	Action 2: Anti-spoofing	Action 3: Coordination	Action 4: Global Validation
China Telecom Global Limited	23764	Yes	Yes	Yes	Yes
China Telecom	4809	Yes	Yes	Yes	Yes
China Telecom	4134	Yes	Yes	Yes	Yes

Network Operator Participants list @
https://www.manrs.org/

Implementation of MANRS Actions

✓ **Action 1: Prevent propagation of incorrect routing information**
CTG/AS23764 prevents propagation of incorrect routing information.

✓ **Action 2: Prevent traffic with spoofed source IP addresses**
CTG prevents traffic with spoofed source IP addresses.

✓ **Action 3: Facilitate global operational communication and coordination between network operators**
CTG facilitates global operational communication and coordination between network operators.

✓ **Action 4: Facilitate validation of routing information on a global scale**
CTG facilitates validation of routing information on a global scale.

Filtering
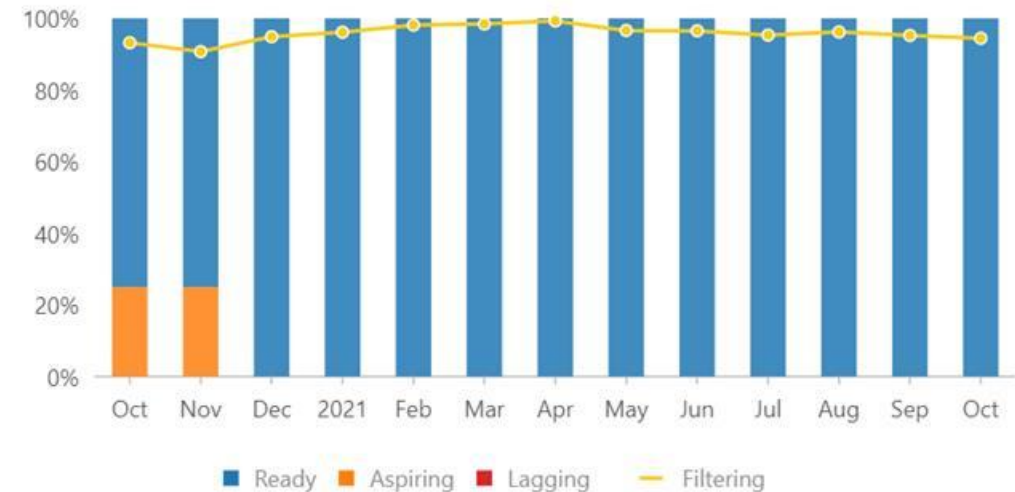
CTGNet (AS 23764) Roadmap

In service	In development	Planned in 2022-2024

Peering contact

Edmundcheung@chinatelecomglobal.com
ctgnet_peering@chinatelecomglobal.com