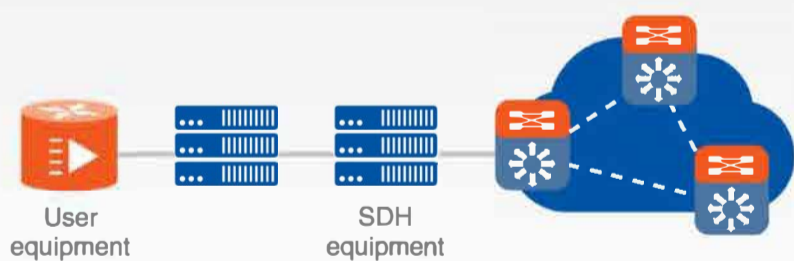


International Private Leased Circuit (IPLC)

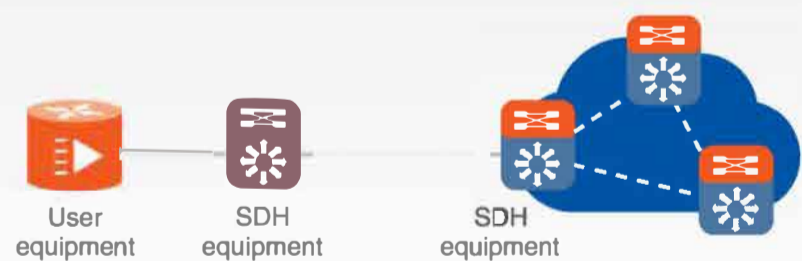
CTA provides quality and effective global networking solutions through IPLC to ensure a wide range of networking options for customers and to meet global communication needs of enterprises. Relying on terrestrial cable systems connecting neighboring countries and a variety of submarine cable landing in China, CTA ensures network accessibility for global operators by offering high quality, highly redundant and diversified networking solutions.

CTA's IPLC is an end-to-end international private line service with guaranteed bandwidth based on physical layer transmission resources, which equips the IPLC service with competitive features including multiple routing options, main and backup flexibility, high reliability, multi-service carrying and strong management ability.

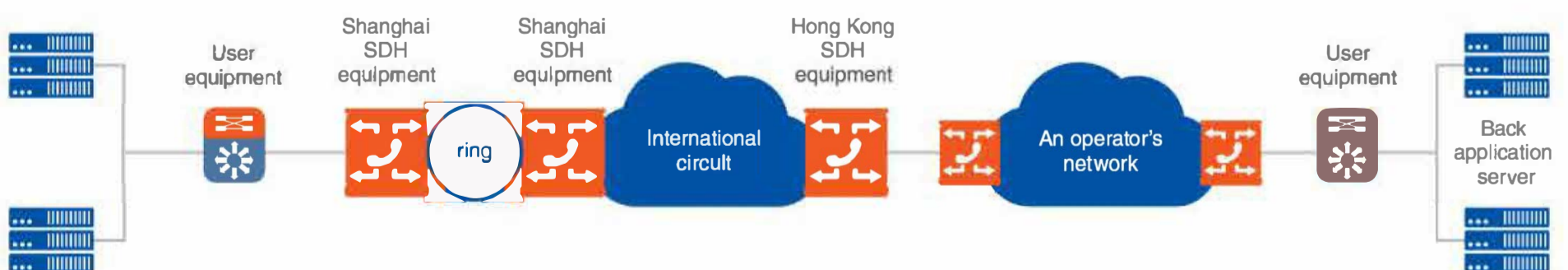
System diagram illustration



SDH/MSTP equipment on the local side



SDH/MSTP equipment on the customer side



Benefits

- SDH protection switching function to ensure end-to-end dedicated international bandwidth with minimal transmission delay and maximum network security, and to support the applications of a variety of real-time critical tasks;
- High security: CTA provides physical isolation between customers, exclusive bandwidth of high security and superior network performance;
- Support a variety of services: data, video, voice and other business transmissions;
- Speed diversity - variable communication speed including 1.5M, 2M, 45M, 155M, 622M, 2.5G and 10G;
- Easy management and maintenance: SDH frame structure allocated with rich overhead bits (about 5% of the signal) with advantages such as strong network OAM capability, simple fault positioning and disposal and quick business recovery;
- Network availability: 99.9% or greater network availability in key customer demand areas;
- MTTR (mean time to repair) within 4 hours.

Why CTA

Global network

- Rich terrestrial and submarine cable transmission resources across the globe
- Global service stations connecting customers to any designated location
- Ongoing PoP expansion plan for convenient network access and network monitoring
- Global network disaster recovery services to guarantee uninterrupted network

Flexible and adjustable

- Global planning, design and connection in a specific period of time
- A variety of access options and means;
- Multi-path routing with protection service for higher reliability;
- Global connection to any designated location
- Optional bandwidth rate ranging from 64Kbps to 10Gbps

About China Telecom Americas

China Telecom Americas, a wholly-owned US-based subsidiary of China Telecom Corp. Ltd. (NYSE: CHA), is an international telecom provider for data, IP and voice wholesale services to multinational companies, organizations and international carriers requiring China domestic services and international access to China & throughout Asia-Pacific. Headquartered in Herndon, Virginia, China Telecom Americas is the largest international subsidiary of China Telecom Corporation Limited, as well as the only authorized re-seller of domestic Chinese telecom products to North American companies. China Telecom Americas has offices in 31 countries, providing access to Chinese telecom network assets for customers in the United States, Canada and Latin America. As the largest operating broadband operator in the world (127 million subscribers), as well as the world's largest CDMA mobile operator (227 million subscribers), China Telecom delivers a comprehensive global telecom service scope based on cutting edge technology, exceptional customer service, and a visionary approach to international telecommunications.

Awards

- **Best Telecommunications Company in Asia**
(2016) FinanceAsia
- **Best Managed Company in Asia Telecom Sector**
(2010-2016) FinanceAsia
- **Customer Relationship Excellence Award**
(2012-2016) Asia Pacific Customer Service Consortium
- **Best Managed Company in Asia**
(2010-2016) Euromoney
- **Most Honored Company**
(2011-2016) Institutional Investor
- **The Best of Asia**
(2010-2016) Corporate Governance



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