

## DEFINITIONS

In this report, unless the context otherwise requires, the following terms and expressions have the following meanings:

5G	5th generation mobile communication technology
A Share(s)	Shares of the Company issued in mainland China, listed on domestic stock exchanges and subscribed and traded in RMB
ADSs	Securities issued by the depository bank and traded on the New York Stock Exchange. Each ADS of the Company represents 100 H Shares of the Company
AR	Augmented Reality
ARPU	Monthly average revenue per user
Artificial Intelligence/AI	Technology science that researches and develops theories, methodologies, technologies and application systems for simulating, extending and expanding human intelligence
Big Data	Massive, real-time and diversified data information that can be recorded, collected, developed and utilised, and big data-based mining and processing technology
Board/Board of Directors	The board of directors of the Company
CDN	Content Delivery Network. By adding a new layer of network architecture to the existing Internet, the content of the website is distributed to the edge of the network closest to the users, so that users can obtain the required content in the vicinity, improving the transmission speed of the network, solving the problem of Internet congestion and slow response
China Comservice/CCS	China Communications Services Corporation Limited (中國通信服務股份有限公司)
China Telecom Finance	China Telecom Group Finance Co., Ltd. (中國電信集團財務有限公司)



China Telecommunications	China Telecommunications Corporation (中國電信集團有限公司), formerly known as China Telecommunications Corporation (中國電信集團公司), the controlling shareholder of the Company
China Telecom Leasing	China Telecom Leasing Corporation Limited (天翼融資租賃有限公司)
China Telecom/Issuer/the Company	China Telecom Corporation Limited (中國電信股份有限公司), or where the context so requires, refers to China Telecom Corporation Limited and its subsidiaries
China Tower	China Tower Corporation Limited (中國鐵塔股份有限公司), formerly known as China Communications Facilities Services Corporation Limited (中國通信設施服務股份有限公司)
Chinese Accounting Standard/ China Accounting Standards for Business Enterprises	The Basic Standard of the Accounting Standards for Business Enterprises issued by the Ministry of Finance, and the specific accounting standards, application guidelines, interpretations and other relevant regulations subsequently revised
Cloud Computing	An Internet technology that provides flexible and on-demand services to external users through the Internet with pooled cluster computing capabilities
CN2	China Telecom's next generation of carrying network, focusing on cloud-network services for government and enterprise customers, high-quality Internet services and China Telecom's proprietary key businesses
Company Law	The Company Law of the PRC
Computing Network	According to the national approval document on the construction plan of eight hub nodes of the national integrated Big Data center, its meaning includes datacentre infrastructure, computing power, network, cloud, and the green and safe attributes among these features
CSRC	China Securities Regulatory Commission
DCI	Datacentre Interconnect, a proprietary network carrying interconnection business between datacentres



Distributed cloud	A public cloud computing service that lets a user operate public cloud infrastructure in multiple different locations, and manage from a single control plane
Domestic Share(s)	Shares of the Company issued in mainland China, denominated in RMB and subscribed in RMB
DOU	Monthly Internet traffic per user
East-to-West Computing Resource Transfer	The national project orderly directing computing power demand in Eastern part of PRC to Western part of PRC by building a new computing power network system consisting of datacentre, Cloud Computing and Big Data, with an aim to optimise the construction layout of datacentres and facilitate east-west coordination
Edge Node(s)	The service platform built at the edge of network near the user, providing storage, computing, network and other resources; such “sinking” of key services and applications to the edge of access network can reduce the bandwidth and latency loss from network transmission and multi-level forwarding
E-surfing Pay	E-surfing Pay Co., Ltd (天翼電子商務有限公司)
EFLOPS	FLOPS, Floating-Point Operations Per Second, which is commonly used to estimate computer performance; “E” stands for “Exa” and means $10^{18}$ ; therefore EFLOPS implies $10^{18}$ times of floating-point operations per second
Fujian Investment Group	Fujian Investment & Development Group Co., Ltd. (福建省投資開發集團有限公司)
Guangdong Rising	Guangdong Rising Holdings Group Co., Ltd., (廣東省廣晟控股集團有限公司), formerly known as Guangdong Rising Assets Management Co., Ltd. (廣東省廣晟資產經營有限公司)
H Share(s)	Shares of the Company that are issued outside mainland China, listed on the Stock Exchange and subscribed and traded in Hong Kong dollars



IDC	Internet Datacentre
IFRSs/International Financial Reporting Standards	The International Financial Reporting Standards, amendments and interpretations issued from time to time by the International Accounting Standards Board
Internet of Things/IoT	Various sensory devices that are based on computer and communication technology, using cellular mobile network, wired network, wireless network, etc. to complete the transmission, coordination and processing of information, so as to realise the network of communication between objects and things, and communication between objects and people
Jiangsu Guoxin	Jiangsu Guoxin Group Limited (江蘇省國信集團有限公司), formerly known as Jiangsu Guoxin Investment Group Co.,Ltd. (江蘇省國信資產管理集團有限公司)
Listing Rules	The Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited
Mbps	Megabits per second
MIIT	Ministry of Industry and Information Technology
OTN	Optical Transport Network, a transmission network that enables the transmission, reuse, routing selection, monitoring of business signals within the optical domain and ensures their performance indicators and viability
Over-allotment Option	An option granted by the Issuer to the lead underwriter whereby the lead underwriter is authorised to over-offer up to 15% of the underwritten amount at the same issue price, i.e. the lead underwriter offers up to 115% of the underwritten amount to investors
PCT	Patent Cooperation Treaty, an international treaty that assists applicants in seeking patent protection internationally for their inventions, helps patent offices with their patent granting decisions, and facilitates public access to a wealth of technical information relating to those inventions



POP	Point-of-presence, an artificial demarcation point or network interface point between communicating entities
Prospectus	The prospectus in connection with the initial public offering of A Shares of China Telecom Corporation Limited
Quantum-encrypted Calls	The communication technology that is closely integrated with quantum information technology to achieve end-to-end voice calls and other encryption protection, and provide users with stable and reliable quantum protection secure communication services
RDO	Research, Development, Operation
Reporting Period	Period from 1 January 2021 to 31 December 2021
ROADM	Reconfigurable Optical Add-Drop Multiplexer. Its function is to realise the configuration and adjustment of the wave length along the way through remote reconfiguration
SASAC	State-owned Assets Supervision and Administration Commission of the State Council
Securities Law	The Securities Law of the PRC





SSE	Shanghai Stock Exchange
SSE Listing Rules	The Rules Governing the Listing of Stocks on the Shanghai Stock Exchange
Stock Exchange/Hong Kong Stock Exchange/HKSE	The Stock Exchange of Hong Kong Limited
Tbps	Terabit per second
The Offering/A Share Offering	The public offering of RMB ordinary shares (A Shares) by the Company
Tiantong IoT	Tiantong Satellite IoT Service, the in-depth convergence of Tiantong satellite communications network and ground IoT technology, along with China Telecom's ground IoT service, forming an integrated communications solution to customers
Two Listing Rules	The Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited and The Rules Governing the Listing of Stocks on the Shanghai Stock Exchange
VR	Virtual Reality
Zhejiang Financial Development	Zhejiang Provincial Financial Development Co., Ltd. (浙江省財務開發有限責任公司), formerly known as Zhejiang Financial Development Company (浙江省財務開發公司)