

DOW JONES NEWSWIRES

Chinese Telcos' Dividend Outlook Seems Encouraging -- Market Talk

127 words
13 April 2022
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Dow Jones Institutional News
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English

0515 GMT - Chinese telecom operators' dividend outlook for the coming years seems encouraging, making the sector an attractive bet for investors, Citi analysts say in a research note. The analysts point out that the country's top three carriers--China Mobile, China Telecom and China Unicom--all raised their 2021 dividend payout ratios. All three are also guiding for strong revenue growth in 2022, which would underpin continued solid dividend **payments** this year, the Citi analysts say. Their top sector pick is China Mobile, given its more-aggressive plans to raise its dividend payout ratio to 70% or above by 2024. (yifan.wang@wsj.com)

(END) Dow Jones Newswires

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Xinhua
Silk Road Information Service

China accelerates new infrastructure construction to unleash vitality of digital economy

925 words
8 April 2022
Xinhua Silk Road Information Service
XHSILK
English

A worker maintains equipment at China Mobile's data center in a **cloud** computing base in Zhongwei City, northwest China's Ningxia Hui Autonomous Region, May 31, 2019. (Xinhua/Wang Peng)

BEIJING, April 8 (Xinhua) -- China is seeing the bustling construction of a number of data centers and 5G projects, as central and local governments are speeding up deploying new **infrastructure**.

The move is not only a key measure to stabilize economic fundamentals, but also an investment targeting long-term growth and the transformation of economic development mode, according to industry insiders.

China will continue developing new infrastructure in advance and expand application scenarios to keep releasing the vitality of digital economy.

-- Projects under construction

In the China Unicom (Huailai) innovation industrial park located in Huailai County of Zhangjiakou City in north China's Hebei Province, a supersized data center that can accommodate 22,500 standard cabinets is being constructed.

Staff members are moving on faster to ensure the principal part of the project can be delivered by the end of June, said an executive of China Unicom, one of China's leading telecom operators, adding that upon completion, the data center will provide computing services for industrial internet companies, financial securities enterprises, etc. in the Beijing-Tianjin-Hebei region.

In Zhongwei City of Ningxia Hui Autonomous Region in northwest China, construction of the phase II of the data center project of China Mobile, another telecom giant in China, has been fully unfolded, with a capacity of more than 3,000 racks on completion.

China Mobile will invest 334 million yuan in the data center in three years to improve intelligent application of data in various industries, Duan Li, executive of the computing network operation center of China Mobile in Ningxia.

China is also witnessing an accelerated application of new infrastructure. There are more than 2,000 5G + industrial internet projects under construction across the country, with new digital formats and models such as smart mining, smart transportation, smart greenhouse and telemedicine emerging one after another.

The popularity of new infrastructure can also be seen in the development plan for 2022 of many places. More than 20 provinces, autonomous regions and municipalities including Shandong and Guangdong have specified the development plans of 5G network, industrial internet and data center in 2022.

-- Promoting healthy development of digital economy

The reason why China endeavors to promote construction of new infrastructure such as 5G network, artificial intelligence, and big data is to propel the healthy development of digital economy.

Although economic development is facing downward pressure, digital economy as a whole is still relatively robust, said He Baohong, director of cloud computing and big data institute of China Academy of Information and Communications Technology (CAICT), adding that in the first two months, the production index of information transmission, software and information technology services increased by 16.3 percent year on year, indicating the urgent demand of economic development for digital infrastructure.

He said that new infrastructure represented by 5G and data center is the base and cornerstone for the development of digital economy. Building a solid digital foundation will help further release the potential of digital economy in boosting consumer demand, expanding foreign trade and stimulating effective investment.

The role of new infrastructure in driving economy can be reflected by data from the CAICT. For example, the total economic output indirectly driven by the commercial use of 5G in China is expected to amount to 24.8 trillion yuan from 2020 to 2025, according to a research by CAICT.

Looking ahead, Zhang Zhiqian, director of the investment research institute of China Jianyin Investment Ltd., said that with 5G, industrial internet and other next generation information technologies fully embedded in all fields of economic development, new infrastructure will transform technologies into productivity and then to growth engine, further driving industrial transformation and upgrading.

-- Deployment in advance

Multiple departments have taken a series of measures to deploy new infrastructure in advance.

The Ministry of Industry and Information Technology has made it clear that efforts will be made to build more 5G base stations this year, with application scenarios enriched.

The National Development and Reform Commission proposed to accelerate the construction of 10 national data center clusters.

Meanwhile, local governments also roll out preferential policy packages regarding capital, land use and other resource elements for new infrastructure construction.

For example, Shanghai will make good use of more than 100 billion yuan of new infrastructure credit at preferential interest rate to guide social capital to increase investment in new infrastructure, while southwest China's Yunnan Province will coordinate the implementation of preferential policies concerning land use for information and communication infrastructure as well as power consumption for data centers and 5G network.

To seize opportunities brought by the development of digital economy, priority will be given to the application of new infrastructure. For instance, the MIIT will focus on promoting the use of 5G in 15 industries in three areas of information consumption, real economy and people's livelihood services during the 14th Five-Year Plan period from 2021 to 2025.

Some industry insiders call for new paths to spur vitality of digital economy. He Baohong said that efforts need to be made to further guide the whole society and all industries to strengthen the application of 5G and industrial internet, with focus on promoting the transformation and upgrading of traditional industries and improving production and operation efficiency. (Edited by Su Dan with Xinhua Silk Road, sudan@xinhua.org)

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telecompaper

Viverse signs partnership for Viverse

151 words
31 March 2022
Telecompaper World
TELWOR
English

HTC said Viverse, HTC Vive's place in the **metaverse**, signed a first wave of partners during Mobile World Congress. Over the course of this year, Vive and its partners will develop new **metaverse** experiences for people across the world, with a range of **hardware** and software. Across Asia, partners include China Mobile Migu; China Telecom Xinguomai; China Unicom Xiaowo; Chunghwa Telecom; Far East Mobile, and Taiwan Mobile. In EMEA, partners include Etisalat, Hutchinson Group and Zain Group.

During MWC, Vive announced several new elements to Viverse including Vive Connect, new parental controls to help keep young people safe and cryptowallet integration.

Vive also announced the adoption of open standards for avatars, using VRM so that people can more easily carry their visual identity between worlds. Vive showcased single-login single-avatar, demonstrating how easy it can be for people to move between 3rd party experiences.

Document TELWOR0020220331ei3v00004

即市頭條- Latest News
C Suisse Trims CHINA UNICOM (00762.HK) TP to $5.7, Rated Outperform

107 words
28 March 2022
AAStocks Financial News
AASFNE
English

Credit Suisse applied new capex and 5G base station forecasts on CHINA UNICOM (00762.HK) given renewed FY21 result estimates, and the management guidance of an **investment** shift to transmission networks and industry internet so as to seize opportunities from digitalization.

Overall, the stock was retained at Outperform, with target price cut from $6.5 to $5.7. This reflected the 2023-24E EPS forecast raise by 6-7%, plus higher investment need on transmission network and industry internet operations.

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AAStocks Financial News

Web Site: www.aastocks.com

Document AASFNE0020220328ei3s006sh

NASDAQ OMX | GlobeNewswire

UTStarcom Reports Unaudited Financial Results for Second Half and Full Year 2021

2,789 words
24 March 2022
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GlobeNewswire
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English

UTStarcom Reports Unaudited Financial Results for Second Half and Full Year 2021

HANGZHOU, China, March 24, 2022 (GLOBE NEWSWIRE) -- UTStarcom ("UT" or the "Company") (NASDAQ: UTSI), a global telecommunications **infrastructure** provider, today reported its unaudited financial results for the six months and full year ended December 31, 2021, and provided a business update.

Business Update

- Progress in the development of Network Operating System (NOS) Software. In H2 2021, UTStarcom continued working with its customer China Unicom Research Institute on the cooperative development and field testing of a disaggregated networking solution for 5G transport networks. China Unicom Research Institute is a wholly owned subsidiary of China Unicom, one of the major mobile network operators ("MNO") in China. The Company successfully finished interoperability testing with several 3rd party vendors and passed field trials on the customer's network in Guangdong Province, China. The Company also focused on Phase 2 development, which covers many new features critical for the intended use of the solution on China Unicom's 5G network.

- Update on Collaboration with European Mobile Operator. During H2 2021, UTStarcom continued to ship TN704E products to its European mobile operator customer. The NetRing(R) TN704E metro access platform announced earlier in 2021 is a key component of this customer's mobile backhaul network expansion project, which supports the operator's 5G deployment requirements. The Company also received an order for network expansion based on the NetRing(R) TN705E product.

- India Receivables. The Company continues to collect amounts due from its major customer in India. The Company collected over $35 million in 2021, with about $25 million outstanding as of the year end, and collection continues in 2022. Because the customer's operating status has not improved, as well as ongoing payment processing delays due to the COVID-19 pandemic in India, the timing of future payments is uncertain despite significant collections in 2021.

UTStarcom's Chief Executive Officer Mr. Li Hua commented, "Our results for the second half and full year 2021 did not improve due to the ongoing COVID-19 pandemic, which slowed telecom industry investments globally. We are still working with two major carriers in China to build network disaggregation solutions. Meanwhile, we are also seeking other opportunities to grow our business and reward shareholders."

Second Half and Full Year 2021 Financial Results (Unaudited)

Summary of 2H 2021 Key Financials (Unaudited)

	2H 2021	2H 2020	Y/Y Change
Revenue	$7.2	$10.6	-32.1%
Gross Profit	($3.3)	$0.9	-466.7%

Operating Expenses	$2.8	$14.9	-81.2%
Operating Loss	($6.1)	($14.0)	$7.9
Net Loss	($6.5)	($11.6)	$5.1
Basic EPS	($0.18)	($0.32)	$0.14
Cash Balance (including Restricted Cash)	$66.3	$48.4	37.0%

Summary of Full Year 2021 Key Financials (Unaudited)

	2021	2020	Y/Y Change
Revenue	$15.9	$24.3	-34.6%
Gross Profit	($1.1)	$3.5	-131.4%
Operating Expenses	$4.1	$26.8	-84.7%
Operating Loss	($5.2)	($23.2)	$18.0
Net Loss	($6.3)	($23.7)	$17.4
Basic EPS	($0.17)	($0.66)	$0.49
Cash Balance (including Restricted Cash)	$66.3	$48.4	37.0%

(*) Dollar comparisons are used where percentage comparisons are not meaningful.

(*) All the numbers in U.S. Dollars are in millions except for Earnings Per Share (EPS)

Total Revenues

Six months ended December 31, 2021

Total revenues for the second half of 2021 were $7.2 million, compared to $10.6 million in the corresponding period in 2020.

- Net equipment sales for the second half of 2021 were $1.5 million, a decrease of 53.2% from $3.1 million in the corresponding period in 2020. The decline was mainly due to decreased revenue from major customers in Japan and India.

- Net services sales for the second half of 2021 were $5.7 million, a decrease of 22.9% from $7.5 million in the corresponding period in 2020. The decrease was mainly due to the completion of current projects and no new major projects in India.

Twelve months ended December 31, 2021

2021 total revenues were $15.9 million, a decrease of 34.5% from $24.3 million in 2020.

- 2021 net equipment sales were $2.3 million, a decrease of 81.2% from $12.4 million in 2020. The decline was mainly due to decreased revenue from major customers in Japan and India.

- 2021 net services sales were $13.6 million, an increase of 14% from $11.9 million in 2020. The increase was mainly from India as current projects were being implemented.

Gross Profit

Six months ended December 31, 2021

Gross loss was $3.3 million, or 45.2% of net sales, for the second half of 2021, compared to positive $0.9 million, or positive 8.6% of net sales, in the corresponding period in 2020.

-- Equipment gross loss for the second half of 2021 was $5.6 million, compared to $1.4 million in the corresponding period in 2020. Negative equipment gross margin for the second half of 2021 was 384%, compared to 44.5% for the corresponding period in 2020. The decrease in gross margin was attributed to high fixed cost with lower equipment revenue and a one-time inventory reserve.

-- Service gross profit for the second half of 2021 was $2.4 million, compared to $2.3 million in the corresponding period in 2020. Service gross margin for the second half of 2021 was 41.0%, compared to 30.9% for the corresponding period in 2020. The increase in gross margin was mainly due to decreased service costs in India.

Twelve months ended December 31, 2021

2021 gross loss was $1.1 million, or 6.8% of net sales, compared to positive $3.5 million, or positive 14.5% of net sales, in 2020.

-- 2021 equipment gross loss was $7.3 million, compared to positive $1.2 million in 2020. 2021 negative equipment gross margin was 312.7%, compared to positive 10.0% in 2020. The decrease in gross margin was attributed to high fixed cost with lower equipment revenue and a one-time inventory reserve.

-- 2021 service gross profit was $6.2 million, compared to $2.3 million in 2020. 2021 service gross margin was 45.4%, compared to 19.2% in 2020. The increase in gross margin was mainly due to the decreased service costs in India.

Operating Expenses

Six months ended December 31, 2021

Operating expenses for the second half of 2021 were $2.8 million, compared to $14.9 million in the corresponding period in 2020.

-- Selling, general and administrative ("SG&A") expenses for the second half of 2021 were negative $0.8 million, compared to positive $11.1 million in the corresponding period in 2020. SG&A was lower in the second half of 2021 due to reversal of higher allowances for credit loss associated with aged receivables from our India customer, and decreased expenses from continued tight cost control.

-- Research and development ("R&D") expenses for the second half of 2021 were $3.6 million, compared to $3.7 million in the corresponding period in 2020. The decrease reflected the different stages of 5G product development.

Twelve months ended December 31, 2021

2021 operating expenses were $4.1 million, compared to $26.8 million in 2020.

-- 2021 SG&A expenses were negative $2.7 million, compared to positive $18.7 million in 2020. The decrease was mainly attributable to reversal of higher allowances for credit loss associated with aged receivables from our India customer, and decreased expenses from continued tight cost controls.

-- 2021 research and development expenses were $6.8 million, compared to $8.1 million in 2020. The decrease reflected the different stages of 5G product development.

Operating Loss

Operating loss for the second half of 2021 was $6.1 million, compared to $14.0 million in the corresponding period in 2020.

Full year 2021 operating loss was $5.2 million, compared to $23.2 million in 2020.

Interest Income, Net

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Net interest income for the second half of 2021 was $0.7 million, compared to $0.5 million in the corresponding period in 2020.

Full year 2021 net interest income was $1.1 million, compared to $1.0 million in 2020.

Other Income (Expenses), Net

Net other income for the second half of 2021 was $0.5 million, compared $0.9 million in the corresponding period in 2020. Other income for the second half of 2021 was mainly due to a foreign exchange gain resulting from depreciation of the JPY against USD.

Full year 2021 net other income was $1.6 million, compared to net other expenses of $2.2 million in 2020. Other income for 2021 were mainly due to a foreign exchange gain resulting from depreciation of the JPY against USD and partially offset by a foreign exchange loss resulting from depreciation of INR against USD.

Net Loss

Net loss attributable to shareholders for the second half of 2021 was $6.5 million, compared to $11.6 million in the corresponding period in 2020. Basic net loss per share for the second half of 2021 was $0.18, compared to $0.32 for the corresponding period in 2020.

Full year 2021 net loss attributable to shareholders was $6.3 million, compared to $23.7 million in 2020. 2021 basic net loss per share was $0.17, compared to $0.66 in 2020.

Cash Flow

Cash provided by operating activities in the second half of 2021 was $5.3 million, cash used in investing activities was $0.3 million, and cash used in financing activities was nil. As of December 31, 2021, UTStarcom had cash, cash equivalents and restricted cash of $66.3 million.

About UTStarcom Holdings Corp.

UTStarcom is committed to helping network operators offer their customers the most innovative, reliable and cost-effective communication services. UTStarcom offers high performance advanced equipment optimized for the most rapidly growing network functions, such as mobile backhaul, metro aggregation and broadband access. UTStarcom has operations and customers around the world, with a special focus on Japan and India. UTStarcom was founded in 1991 and listed its shares on the Nasdaq Market in 2000 (symbol: UTSI). For more information about UTStarcom, please visit http://www.utstar.com.

Forward-Looking Statements

This press release includes forward-looking statements, including statements regarding the Company's strategic initiatives and the Company's business outlook. These statements are forward-looking in nature and subject to risks and uncertainties that may cause actual results to differ materially and adversely from the Company's current expectations. These include risks and uncertainties related to, among other things, changes in the financial condition and cash position of the Company, changes in the composition of the Company's management and their effect on the Company, the Company's ability to realize anticipated results of operational improvements and benefits of the divestiture transaction, the ability to successfully identify and acquire appropriate technologies and businesses for inorganic growth and to integrate such acquisitions, the ability to internally innovate and develop new products, assumptions the Company makes regarding the growth of the market and the success of the Company's offerings in the market and the Company's ability to execute its business plan and manage regulatory matters. The risks and uncertainties also include the risk factors identified in the Company's latest annual report on Form 20-F and current reports on Form 6-K as filed with the Securities and Exchange Commission. The Company is in a period of strategic transition and the conduct of its business is exposed to additional risks as a result. All forward-looking statements included in

this press release are based upon information available to the Company as of the date of this press release, which may change and the Company assumes no obligation to update any such forward-looking statements.

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UTStarcom Holdings Corp.
Unaudited Condensed Consolidated Balance Sheets

	December 31, 2021	December 31, 2020
	(In thousands)	
ASSETS		
Current assets:		
Cash and cash equivalents	$ 53,797	$ 34,221
Short-term investments	--	2,100
Notes receivable, net	108	58
Accounts receivable, net	27,445	49,623
Inventories and deferred costs	1,556	6,707
Short-term restricted cash	10,076	12,088
Prepaid and other current assets	4,794	5,108
Total current assets	97,776	109,905
Long-term assets:		
Property, plant and equipment, net	602	620
Operating lease right-of-use assets, net	4,734	1,183
Long-term restricted cash	2,402	2,079
Other long-term assets	2,705	4,937
Total long-term assets	10,443	8,819
Total assets	$ 108,219	$ 118,724
LIABILITIES AND EQUITY		
Current liabilities:		
Accounts payable	$ 18,988	$ 25,120
Customer advances	231	391
Deferred revenue	34	410
Income tax payable	8,749	5,934
Operating lease liabilities, current	1,219	1,217
Other current liabilities	5,906	6,970
Total current liabilities	35,127	40,042
Long-term liabilities:		
Operating Lease liabilities, non-current	3,689	256

Long-term deferred revenue and other liabilities	1,004	1,025
Total liabilities	39,820	41,323
Total equity	68,399	77,401
Total liabilities and equity	$ 108,219	$ 118,724

UTStarcom Holdings Corp.

Unaudited Condensed Consolidated Statements of Operations

	Six months ended December 31,		Twelve months ended December 31,	
	2021	2020	2021	2020
	(In thousands, except per share data)			
Net sales	$ 7,229	$ 10,602	$15,921	$ 24,310
Cost of net sales	10,493	9,687	17,008	20,781
Gross profit	(3,264)	915	(1,087)	3,529
	(45.2)%	8.6%	(6.8)%	14.5%
Operating expenses:				
Selling, general and administrative	(782)	11,139	(2,743)	18,689
Research and development	3,622	3,730	6,886	8,083
Total operating expenses	2,840	14,869	4,143	26,772
Operating loss	(6,104)	(13,954)	(5,230)	(23,243)
Interest income, net	668	488	1,136	980
Other income (expense), net	526	938	1,630	(2,166)
Investment impairment	--	(1,029)	--	(1,029)
Loss before income taxes	(4,910)	(13,557)	(2,464)	(25,458)
Income tax expense	(1,592)	1,924	(3,787)	1,782
Net loss attributable to UTStarcom Holdings CorpUTStarcom Holdings Corp.	$(6,502)	$ (11,633)	$(6,251)	$ (23,676)
Net loss per share attributable to UTStarcom Holdings CorpUTStarcom Holdings Corp.--Basic	$ (0.18)	$ (0.32)	$ (0.17)	$ (0.66)

Weighted average shares outstanding--Basic	36,186	35,971	36,027	35,881

UTStarcom Holdings Corp.
Unaudited Condensed Consolidated Statements of Cash Flows

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	Six months ended December 31,		Twelve months ended December 31,	
	2021	2020	2021	2020
	(In thousands)			
CASH FLOWS FROM OPERATING ACTIVITIES:				
Net loss	$(6,503)	$ (11,633)	$(6,251)	$ (23,676)
Depreciation	132	277	371	572
Allowance for credit losses	(4,143)	6,964	(9,158)	9,441
Provision for deferred costs	(27)	--	(222)	--
Stock-based compensation expense	243	206	504	703
Net loss on disposal of assets	--	--	(33)	--
Investments impairment	--	1,029	--	1,029
Gain on release of tax liability due to expiration of the statute of limitations	--	--	(42)	--
Gain on write-off long-term account payable due to expiration of the statute of limitations	--	--	--	--
Deferred income taxes	2,139	(1,615)	2,139	(1,499)
Gain on liquidation of a subsidiary	(184)	--	(383)	--
Changes in operating assets and liabilities	13,674	2,203	32,055	10,030
Net cash used in (provided by) operating activities	5,331	(2,569)	18,980	(3,400)
CASH FLOWS FROM				

INVESTING ACTIVITIES:				
Additions to property, plant and equipment	(348)	(30)	(348)	(115)
Purchase of short-term investment	--	--	--	--
Proceeds from short-term investments	--	--	2,100	2,095
Net cash provided by (used in) investing activities	(348)	(30)	1,752	1,980
CASH FLOWS FROM FINANCING ACTIVITIES:				
Proceeds from exercise of stock options	--	--	--	--
Repurchase of ordinary share	--	(217)	--	(374)
Short-term borrowing	--	--	--	--
Pay off the short-term borrowing	--	--	--	--
Net cash used in financing activities	--	(217)	--	(374)
Effect of exchange rate changes on cash and cash equivalents	(656)	2,559	(2,844)	1,575
Net increase (decrease) in cash and cash equivalents	4,327	(257)	17,888	(219)
Cash, cash equivalents and restricted cash at beginning of period	61,949	48,645	48,388	48,607
Cash, cash equivalents and restricted cash at end of period	$66,276	$ 48,388	$66,276	$ 48,388

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即市頭條- Latest News
CHINA UNICOM Feb 5G Users Expand 4.4M MoM to Nearly 165M

81 words
22 March 2022
AAStocks Financial News
AASFNE
English

CHINA UNICOM (00762.HK) announced that the aggregate number of "Big **Connectivity**" subscribers amounted to 771 million in February 2022, among which the aggregate number of 5G package subscribers reached nearly 165 million, representing a MoM net increase of 4.4 million users, which was slower than the net addition of 5.568 million users in January.

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AAStocks Financial News

Web Site: www.aastocks.com

Document AASFNE0020220322ei3m00209

DOW JONES NEWSWIRES

***China Unicom (Hong Kong): February 5G Package Subscribers 164.9M**

51 words
21 March 2022
10:51
Dow Jones Institutional News
DJDN
English

21 Mar 2022 06:52 ET *China Unicom: February Internet-Of-Things Terminal Connections 307.69M

21 Mar 2022 06:52 ET *China Unicom: February 'Big **Connectivity**' Subscribers 771.46M

(END) Dow Jones Newswires

March 21, 2022 06:52 ET (10:52 GMT)

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Alibaba Vice President Ku Wei Joins DingTalk as COO

284 words
17 March 2022
EqualOcean
EQOCEN
English

Alibaba's all-in-one workplace mobile app DingTalk (Chinese: 钉钉) confirmed the report on March 17 that Ku Wei, Vice President of Alibaba Group, has joined DingTalk as COO, responsible for the key account strategy and promoting the unit's ability to serve big corporate clients.

Prior to Alibaba, Ku Wei served as the deputy general manager of China Unicom's marketing department and the general manager of Unicom Vsens. With many years of experience in major client service, he joined Alibaba in August 2016 and served as the general manager of Alibaba **Cloud** IoT and the general manager of Tmall Genie.

Previously, Alibaba Cloud's clients were mainly large enterprises and DingTalk mainly served small and medium-sized companies. In September 2020, Alibaba Cloud unveiled a strategy to integrate AliCloud and DingTalk, whereby DingTalk could leverage the digital capabilities of AliCloud to serve medium and large-sized clients and AliCloud could employ DingTalk to move up and down the value chain.

DingTalk is a multi-terminal platform for free communication and collaboration specially created by Alibaba Group for Chinese enterprises. It was launched in December 2014.

As of August 31, 2021, DingTalk's number of registered users had exceeded 500 million, and the number of organizations using DingTalk, including enterprises and schools, had surpassed 19 million, according to the company. According to QuestMobile, a mobile data service provider, in September 2021 DingTalk had 196 million monthly active users, ranking first in the industry.

DingTalk's competitors in the mobile office business include Tencent's WeChat Work (Chinese:企业微信) and ByteDance's Feishu (Chinese:飞书).

Click to view image.

Document EQOCEN0020220318ei3h00004

Telecom operators react vigorously to nation's east-west plan

Ma Si
638 words
17 March 2022
China Daily-Hong Kong Edition
CHNDHK
15
English

Chinese telecom operators are moving fast to respond to the nation's call for an east-data-west-computing project by promising to build more low-carbon, high-efficiency data centers and ramp up their computing power.

The east-data-west-computing project refers to sending data gathered from the more prosperous eastern regions of China to the less developed but resource-rich western regions for storage, calculation and feedback, as well as establishing more data centers in western China, which can help the country improve its imbalance in the layout of digital **infrastructure** and maximize the value of data as a production element, experts said.

China Unicom, a major Chinese telecom operator, said the company has more than 880 data centers, which hold over a million servers. More importantly, the layout of its data centers is roughly similar to that called for in the east-data-west-computing project.

Its data centers are mainly distributed in regions such as the Inner Mongolia autonomous region, Guizhou province, the Beijing-Tianjin-Hebei region, the Yangtze River Delta region, the Guangdong-Hong Kong-Macao Greater Bay Area and the Chengdu-Chongqing economic circle.

According to China Unicom, it will accelerate the construction of new data centers that feature high computing power, high security and low carbon ratings. They will be designed to take full advantage of natural resources such as energy and climate in western China, to improve service quality and utilization efficiency of computing power.

Tang Xiongyan, chief scientist at China Unicom's research institute, said an all-optical computing power network will provide high-quality connections with an ultra-low rate of delays, ultra-high reliability, ultra-large bandwidth, ultralong distance, flexible adjustment and green energy savings, which can quickly and efficiently transport data from eastern areas to western regions, as well as improve the cross-regional transfer of computing power.

Optical processors use light, instead of electricity, for lower power consumption.

Liu Guiqing, deputy general manager of China Telecom, said the east-data-west-computing project will help concentrate business demand and construction resources in the eight national computing hubs, which can compensate for the shortage of resources in eastern China while making full use of resources in western China.

Liu said China Telecom will closely follow the national layout of the integrated big data center system and concentrate more resources into the eight national computing hubs to boost efficiency. China Telecom now has 794 data centers across China.

The senior executive said China Telecom's layout is also roughly similar to that of the east-data-west-computing project. The company has its data center parks in Inner Mongolia and Guizhou as bases for national data storage backup and offline analysis. Computing hubs in the Beijing-Tianjin-Hebei region, the Yangtze River Delta, the Guangdong-Hong Kong-Macao Greater Bay Area and the Chengdu-Chongqing economic circle are positioned to support high-frequency, real-time services such as video streaming and e-commerce.

According to China Telecom, the energy consumption of data centers has always been high. The power consumption of the company's data centers in 2021 reached 5.6 billion kilowatt-hours, accounting for 20 percent of the company's electric power consumption.

The east-data-west-computing project requires the efficient coordination of the energy network and the computing power network, which will help reduce operating costs to a certain extent, said Xiang Ligang, director-general of the Information Consumption Alliance, a telecom industry association.

The computing resource transfer project can solve problems facing China's eastern regions, such as an insufficient energy consumption quota, high electricity costs and limited space for the development of large-scale data centers, said Fu Liang, an independent telecom analyst.

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CHINADAILY.COM.CN

Telecom operators react vigorously to nation's east-west plan

Ma Si
638 words
17 March 2022
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English

Chinese telecom operators are moving fast to respond to the nation's call for an east-data-west-computing project by promising to build more low-carbon, high-efficiency data centers and ramp up their computing power.

The east-data-west-computing project refers to sending data gathered from the more prosperous eastern regions of China to the less developed but resource-rich western regions for storage, calculation and feedback, as well as establishing more data centers in western China, which can help the country improve its imbalance in the layout of digital **infrastructure** and maximize the value of data as a production element, experts said.

China Unicom, a major Chinese telecom operator, said the company has more than 880 data centers, which hold over a million servers. More importantly, the layout of its data centers is roughly similar to that called for in the east-data-west-computing project.

Its data centers are mainly distributed in regions such as the Inner Mongolia autonomous region, Guizhou province, the Beijing-Tianjin-Hebei region, the Yangtze River Delta region, the Guangdong-Hong Kong-Macao Greater Bay Area and the Chengdu-Chongqing economic circle.

According to China Unicom, it will accelerate the construction of new data centers that feature high computing power, high security and low carbon ratings. They will be designed to take full advantage of natural resources such as energy and climate in western China, to improve service quality and utilization efficiency of computing power.

Tang Xiongyan, chief scientist at China Unicom's research institute, said an all-optical computing power network will provide high-quality connections with an ultra-low rate of delays, ultra-high reliability, ultra-large bandwidth, ultralong distance, flexible adjustment and green energy savings, which can quickly and efficiently transport data from eastern areas to western regions, as well as improve the cross-regional transfer of computing power.

Optical processors use light, instead of electricity, for lower power consumption.

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Telecom operators react vigorously to nation's east-west plan

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Chinese telecom operators are moving fast to respond to the nation's call for an east-data-west-computing project by promising to build more low-carbon, high-efficiency data centers and ramp up their computing power.

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Business is booming at China Unicom

Robert Clark
498 words
14 March 2022
Light Reading
LITEREAD
English

Strong growth in enterprise and **cloud** services have helped drive China Unicom to a 15% increase in full-year earnings.

The operator reported net income of 14.4 billion yuan (US$2.26 billion), with total revenue 7.9% higher at 327.9 billion yuan.

The buoyant result launches the reporting season for the three state-owned operators, with China Telecom and China Mobile issuing guidance ahead of their full announcements later this month.

Click here to view Figure 1.

China Telecomexpects to report a 23% to 25% rise in profit and 10% to 12% higher revenue, while China Mobile has forecast flat earnings on 10% to 11% higher sales.

China Unicom's industry Internet unit led the way, overtaking fixed-line broadband to become its second largest segment. The unit recorded a 28% spike in revenue to 55 billion yuan, with the cloud services business jumping 46% to 16 billion yuan.

Smaller enterprise segments also did brisk business, with IoT up 43% to 6 billion yuan and the big data group, which includes blockchain and AI, up 49% to 2.6 billion yuan.

But network and operations costs grew 15%, double the rise in aggregate costs, the result of higher fees for sites and equipment, energy and network maintenance, the company said.

Steady progress

Liu Liehong, chairman and CEO, said China Unicom had made steady progress in key businesses and in developing economies of scale.

It had enhanced its innovation capability and significantly improved operational efficiency, he said in a filing to HKEx.

He said Unicom was interested in expanding its "co-build co-share" partnership with China Telecom to encompass data centers and other infrastructure including "transmission lines, pipes and fibers, equipment rooms and antennae, DAS, etc."

Without elaborating, he said he also hoped to promote cooperation with China Telecom in "technological innovation."

Unicom and Telecom jointly added 310,000 5G basestations last year and now own and operate 690,000 5G sites and 660,000 4G sites. This has meant cumulative capex savings of 210 billion yuan for the operators over the past three years, Unicom said.

Its core mobile business grew 4.8% to 164 billion yuan, with ARPU improving 4.3% to 43.9 yuan. It added a net 11.3 million mobile customers, a turnaround from 2020 when it lost 12.7 million.

It now has 155 million 5G package subscribers, accounting for just under half the total customer base.

In 2022, Unicom said its priorities were to continue rolling out its premium 5G and gigabit broadband networks, its government-enterprise network and its computing power network.

Related posts:

* Huawei shines spotlight on China Unicom 5G Private Network PLUS

* China Unicom finally falls to the FCC with US market ban

* China's telcos join race for computing supremacy

- Robert Clark, contributing editor, special to Light Reading

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telecompaper

China Unicom lifts FY revenues 8%, profit 15%

346 words
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Telecompaper Asia
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China Unicom Group reported higher results for 2021, saying basic businesses stabilized and then rebounded. The figures also received a boost from the continuing development of new capabilities while progress was made towards new breakthroughs in smart operations. Revenues for the year lifted almost 8 percent year-on-year to CNY 327.9 billion, with service revenues rising 7.4 percent to CNY 296.9 billion. Mobile service revenue advanced almost 5 percent to just over CNY 164 billion while fixed-line broadband access revenue went up by 5.2 percent to CNY 44.8 billion. Industry Internet business revenues meanwhile jumped over 28 percent to CNY 54.8 billion

EBITDA increased by 2.3 percent to CNY 96.3 billion while the profit attributable to shareholders climbed 15 percent to CNY 14.4 billion. Capex reached CNY 69 billion, better than the initial budget of CNY 70 billion, helped by **investment** efficiencies. The free cash flow reached CNY 41.7 billion.

The company added net 11.30 million customers, against the net loss of 12.66 million the year before. Mobile ARPU improved by 4.3 percent to CNY 43.9. The number of 5G package subscribers reached 155 million from 137 million in the previous quarter, pushing the penetration rate of 5G package subscribers to 48.9 percent.

Fixed-line broadband subscriber additions went to a record higher net of 8.95 million, with broadband access ARPU unchanged at CNY 41.3. The penetration rate of integrated services among fixed-line broadband subscribers reached 71.5 percent, higher by 7.4 percentage points.

Looking towards this year, China Unicom said 2022 would mark the start of the full implementation of the company's new strategic plan. With the goal of establishing “Cyber Superpower, Digital China, and Smart Society” and adhering to the company's “1 + 8 + 2” strategic planning, the Company will focus on its main businesses, with a focus on stabilising growth, optimising its networks, deepening reform, enhancing capabilities, and strengthening synergies and preventing risks.

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DOW JONES NEWSWIRES

China Unicom's Profit Margin May Narrow on Increased Spending -- Market Talk

157 words
14 March 2022
09:42
Dow Jones Institutional News
DJDN
English

0942 GMT - China Unicom is facing increasing margin pressure, but the stock remains a buy to Citi on a strong growth outlook for the 5G and industry internet businesses. Citi trims its profit estimates for the coming years by up to 13% due to lower margin assumptions. The bank attributes lower-than-expected 2021 net profit to spending and **investment** on 5G network expansion and innovative businesses. While the government's new **infrastructure** push and enterprises' digitization and informatization needs may support China Unicom's long-term revenue, increased spending could continue to put pressure on net profit in the next two to three years. The bank cuts its target price to HK$4.8 from HK$4.91. China Unicom's shares last closed at HK$3.87. (anniek.bao@wsj.com)

(END) Dow Jones Newswires

March 14, 2022 05:42 ET (09:42 GMT)

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telecompaper

China Unicom, Huawei release white paper on 5G core network CICD

288 words
3 March 2022
Telecompaper Asia
TELASI
English

China Unicom and Huawei have jointly released a 5G Core Network CICD Technology and Practice White Paper. The white paper analyzes the current status of operators' O&M from the perspectives of technology, organization, process, and **ecosystem**. The white paper claims that Continuous Integration and Continuous Delivery (CICD) will accelerate agile delivery of network services in various versions and improve the efficiency throughout the entire delivery process on a large scale.

The paper also provides short-term objectives, medium- and long-term plans, industry roadmap suggestions and industry-driven initiatives of CICD based on the achievements made so far.

Huawei also reports that, with CICD, software can be released and brought online in small increments and short periods. According to current statistics, around 20 percent of operators globally have attempted to implement CICD, yet the implementations are still exploratory and tentative.

The white paper also analyzes the current status of CICD in the telecom industry from the perspectives of technology, organization, process, and ecosystem.

Back in September 2021, China Unicom Guangdong introduced the DevOps technology based on Huawei's L3 core autonomous driving network and completed the automatic upgrade of commercial NEs on the 5G core network globally for the first time.

The white paper states that CICD implementation will be a long-term transformation process in which operators and device suppliers can set short-term and long-term objectives in terms of technology, process, organization, and ecosystem. In the short term, importance should be attached to automation capability reconstruction in order to automate the upgrade process. In the long run, network change activities will be automated by expanding the scope of automation scenarios, thereby improving network flexibility, Huawei added.

Document TELASI0020220303ei33000b5

China - Mobile Phones - Five Forces

3,375 words
28 February 2022
MarketLine Industry Profiles
DMRP
English

The mobile phones market will be analyzed taking mno's and mvno's as players. The key buyers will be taken as consumers and businesses , and mobile phone manufacturers, government organizations and mobile **infrastructure** businesses as the key suppliers.

There is a high degree of rivalry within the Chinese mobile phones market. There are just a handful mobile network operators (MNO) that provide cellular and mobile broadband services across China, including large brand names such as China Mobile, China Telecommunications Corporation, and China Unicom. These companies are highly competitive with each other, providing the same core wireless services, making it difficult to differentiate from each other. Market consolidation and the roll-out of 5G technology has intensified rivalry in recent years.

There is little threat from new entrants as a result of the high cost associated with cellular infrastructure and maintenance, as well as the limited availability and access to spectrum – radio frequencies allocated to the mobile industry and other sectors for communication over the airwaves.

Buyers, which include end-consumers, have limited choice when choosing their mobile network and weak financial power means their bargaining power is weak. Smartphones are becoming integrated parts of everyday life, particularly in developed markets. However, consumers are price sensitive and have a tendency to switch to the most affordable mobile packages.

Supplier power is strong. MNOs have limited options when securing suppliers of mobile devices and 5G infrastructure companies. However, changing consumer trends have meant players rely less on mobile handsets to drive sales, which has reduced expenditure on mobile phone suppliers.

Alternatives to mobile phones are limited. Fixed line services are the only reasonable substitute but lack mobility and many of the attractive features associated with mobile phones, such as high-quality cameras, access to social media, and entertainment applications.

This market consists of large mobile network operators (MNO) and mobile virtual network operators (MNVO) that sell post-paid and prepaid mobile subscriptions to the end user. These companies tend to serve millions of customers. In the Chinese market, there are three state-owned MNOs (China Mobile, China Telecommunications Corporation, and China Unicom) that serve that majority of consumers. The largest of the three mobile carriers, China Mobile, provides mobile services for almost 1 billion Chinese end-consumers, with all three network operators having access to a customer-base of over 1.6 billion. The large number of potential customers weakens buyer power, as individual buyers have little influence on the performance of the business. Buyers are also restricted by the availability of cellular services. While most markets have nationwide mobile data coverage, some areas may only be supplied by a single network, significantly reducing the available options for consumers to choose from. For example, China Unicom’s 1.41 million 4G base stations were built to cover 93% of the population and 84% of administrative villages, leaving some areas without coverage.

MNOs benefit from their wireless network infrastructure, which it sells to MVNOs which lease mobile coverage and data bandwidth at wholesale prices and then resell mobile services to customers at wholesale prices. MVNOs wield little buyer power, as leasing infrastructure is the only way the companies can operate mobile services. High fixed costs and limited radio wave spectrum prevent MVNOs from backward integrating and creating their own mobile infrastructure. The presence of MVNOs in the market increases the buyer power wielded by the end consumer by increasing the number of available mobile brands, which encourages competition. However, many of these brands are owned by larger MNOs.

Buyers usually display little loyalty to mobile operators and often shop around for the best valued deal before committing to a new mobile contract. This increases buyer power and forces MNOs and MVNOs to compete and offer consumers better value mobile deals. Many mobile operators record churn rate, the rate at which customers stop doing business with a company over a given period.

Switching mobile provider is relatively easy and sometimes cost free, particularly for prepaid subscribers that pay for the services they use and are not locked into lengthy contracts. However, for post-paid customers, mobile service providers can often charge exit fees if a consumer chooses to upgrade or switch to an alternative provider before their mobile contract has ended. In 2019, the China's telecommunications ministry introduced a mobile number portability program that allows mobile users to keep their phone numbers when switching to a new network provider. This is a program that has been active in the US and European markets since 2000. Allowing consumers to keep their mobile number when changing mobile carrier will encourage switching by making it easier for consumers to seamlessly transfer to a new mobile network. By increasing the likelihood of switching, buyer power is increased.

Market players generally provide the same wireless services, including calls, texts, access to data and data roaming. However, network operators often try to differentiate their products to appeal to end-users and increase their market share. Convergence plans have become increasingly popular, combining mobile services with broadband and TV services to create a more valuable product for customers. Demand for mobile data is growing rapidly and new technologies cause consumers to consume more data than ever before. This has caused players to create more data centric mobile packages, including unlimited data plans, often competing on price. The end-consumer is highly price sensitive and often searches for the cheapest deals. New phone models help encourage customers towards higher value mobile plans; however, generally, consumers search for plans with high data allowances at low costs. This price sensitivity increases the consumer's tendency to switch and increases buyer power, as operators often must find ways to reduce costs, to create more competitive mobile packages.

While mobile phones are not essential for survival, but they are considered an essential item by many people, particularly in developed markets where mobiles have become integrated parts of everyday life. China has the world's largest smartphone population and a relatively high penetration rate, with 1.22 billion unique mobile subscribers in 2020, according to the GSMA, which equates to a subscriber penetration rate 83%. Demand for mobiles continues to grow as they are increasingly seen as an essential part of work, communication, and everyday life. Therefore, buyer power is weakened.

Overall, buyer power is assessed as weak.

Mobile phone manufacturers are some of the most significant suppliers for mobile service providers. Large mobile companies, such as Apple, Samsung, and Huawei, sell products directly to consumers, but generate the majority of sales through indirect distribution channels, including third party mobile network carriers, wholesalers, retailers, and resellers. Mobile carriers usually purchase handsets upfront and receive an inflow of cash to cover the cost of the handset over the length of the contract. Alternatively, carriers can also sell handsets as a third party seller and then offer SIM contracts, which allows consumers the freedom of choice when choosing their mobile phone and contract.

In recent years, consumer habits have changed, causing the elongation of the handset upgrade cycle. Consumers are holding onto their phones in response to new smartphone releases becoming increasingly expensive, with less notable improvements. As a result, mobile carriers have experienced a decrease in wireless equipment expenses as sales are driven by data centric mobile plans instead of new mobile releases. This has weakened supplier power, with mobile carriers becoming less reliant on new handset models to drive sales.

Infrastructure costs are high and essential for mobile network operators to maintain operations. Building network infrastructure requires supplies of building materials, software development, and other advanced technologies used for communication services. The emergence of 5G technologies has increased supplier power as network operators compete to launch the most advanced 5G networks with the largest coverage. This is expected to be detrimental to future business growth over the forecast period as 5G technologies facilitate consumers' growing demand for data. 5G infrastructure, such as radio access units, are built by a limited number of companies. Finnish firm Nokia, Sweden's Ericsson, and Chinese mobile manufacturer Huawei are the main providers of 5G technology. However, the state-owned MNOs are likely to favor Chinese made 5G infrastructure developed by domestic mobile phone manufacturer Huawei. Some of the world's leading economies, including the US, UK, Germany, Spain, France, and Japan, have imposed restrictions on using Chinese made 5G infrastructure after growing security concerns associated with Huawei's 5G technology, fearing it could be used by the Chinese government for espionage. China is considering retaliating against telecom gear makers Nokia and Ericsson if the EU follows the US and UK in banning Huawei, which could limit the availability of resources even further. Because of the small number of available suppliers, the failure of any part of the supply chain, such as suppliers or distributors, may have an adverse effect on the business and financial condition of each market player.

Mobile network operators also rely on a supply of radio wave spectrum, a specific frequency allocated to the mobile industry and other sectors for communication over airwaves. Spectrum is a sovereign asset; therefore, the government or designated national regulated authority is responsible for its allocation. In China, the Ministry of Industry and Information Technology (MIIT) is the body that promotes and ensures the proper

operation of all markets in the interest of consumers and corporations. This includes the regulation of the telecommunications market and the distribution of available spectrum for mobile network operators. In contrast to Western markets, where spectrum is awarded to the highest bidder during a series of auctions, China allocates spectrum according to the requirements and capabilities of telecom carriers. By doing so, incumbents are able to accelerate the development of network construction, and this stops the companies from acquiring large sums of debt. However, spectrum allocation also gives MNOs little power and can prevent them from acquiring the frequencies they want most. The MIIT issued nationwide 5G trial licenses during December 2018.

Overall, supplier is assessed as strong.

Entry into the Chinese mobile phones market is limited by high fixed costs and the existence of strong brand names already competing within the market. There are just three MNOs operating in China: China Mobile, China Telecommunications Corporation, and China Unicom. These companies operate large infrastructure networks that provide nationwide mobile and mobile broadband coverage. To create a new mobile network infrastructure would involve significant capital expenditure, unaffordable for most companies.

Secondly, there is only a limited amount of spectrum allocated for mobile communications, including 5G. This means just a small number of mobile operators can purchase the airwaves needed to provide mobile services. Furthermore, spectrum is only likely to be allocated to companies that already have the infrastructure and technology in place to readily provide communication services. In China's case, this will be one of its three mobile network operators.

The most common method through which MNOs can infiltrate the market is through the acquisition of an existing incumbent. The largest threat of acquisition comes from large multinational MNOs or domestic or international telecommunication companies looking to expand into the mobile communications market. The Chinese state will authorize the acquisition of any of its MNOs, but the risk of acquisition is extremely low due to the size and amount of capital required to purchase existing Chinese incumbents.

Market entry is more achievable for MVNOs. These companies do not own mobile infrastructure and rely on cellular coverage purchased at wholesale prices from MNOs. The consumer’s tendency to switch to affordable mobile phone services means new entrants can acquire customers with attractive and affordable mobile packages and strong customer services. Virtual networks traditionally offer contracts much cheaper than their parent networks and offer some good value SIM-only deals, which have grown in popularity because of handset fatigue. Successful MVNOs often use existing market assets such as media, telecom brands, customer databases, and other channel infrastructure.

MVNOs can often face retaliation from larger network operators that have the financial power to acquire competitors and launch their own competitive MVNO brands. MVNO acquisitions help network operators increase their customer base and product offerings. Until recently, access to the Chinese market has been obstructed by strict regulations and legislation preventing foreign ownership, but recently, China has opened its telecommunications market to foreign investment and has liberalized its mobile market, allowing easier access for new entrants. In 2019, BT Group was the first non-Chinese telecoms firm to get a nationwide operating license in China from the MIIT. The group was awarded a China nationwide domestic IP-VPN license and China nationwide internet service provider (ISP) license, allowing it to compete with the country's domestic mobile service providers. However, the company has targeted foreign companies operating in China and has not yet had access to China’s domestic mobile customers.

China is a mature and highly penetrated mobile market, with one of the highest smartphone penetration rates (83%) in the world. However, the country is still experiencing significant growth in new mobile subscribers, which makes it easier for newcomers to attract customers.

Overall, the threat from new entrants is assessed as weak.

One possible substitute for mobile phones is fixed-line telephones. However, this threat is seen as minimal, as mobile phones offer the advantage of being able to use them over a much wider geographical area – wherever they pick up a signal. Not only this, but there has been an observed increase in households that have substituted fixed-line telephones with mobile phones. Moreover, many mobile phones now offer benefits that have enabled them to become substitutes for many other electrical appliances, including laptops, televisions, MP3 players, and cameras.

Whilst laptops also offer many of the features that mobile phones are marketed on, such as internet access, video calling through programs such as Skype, email, TV, GPS, music, entertainment, and portability, they are not a strong substitute, as they do not possess many of the benefits of a mobile phone, such as size, weight, and the seamless ability to call others. As smart phones have developed, they have gradually eaten into PC sales, with consumers showing a preference towards mobile devices.

Tablet computers could be seen as a substitute for smartphones, but large-screened smartphones (known as "phablets") negate this threat to a large extent. The fact that tablet sales have declined globally for the last several consecutive years supports this. This has led to many players operating in the tablets market, such as HTC and Dell, pulling out of that market, emphasizing the fact that the mobile phones market has successfully been able to counter the impact of this potential substitute.

Overall, the threat of substitutes is assessed as weak.

A small number of large mobile network operators competing within a commercial, sales driven market creates a highly competitive environment with a strong degree of rivalry. China Mobile, China Telecommunications Corporation, and China Unicom are the primary MNOs competing in the Chinese mobile phones market and all of them compete intensely for a share of mobile subscribers and mobile service revenues. Leading players are continuously trying to improve customer experience, price, quality of service, scope of services, network coverage, sophistication of wireless technology, breadth of distribution, selection of devices, and branding and positioning to gain a competitive edge over rivals.

Competition remains intense because of high rates of smartphone penetration in the wireless market. The mobile market is one of the most mature segments of the Chinese telecommunications industry. It is characterized by high penetration rates, leading to increased competition, and leaving MNOs battling to retain existing and attract new customers. This competitive landscape is one of the most influential factors continuing to impact the mobile market. The Chinese mobile phone market is highly saturated; therefore, incumbents need to try to attract new customers by causing them to switch from rival operators. Innovation, new technology, designing new mobile packages, and adding value to postpaid subscriptions helps to reduce customer churn and attract new customers. This kind of direct competition for consumers creates fierce rivalry.

In 2018, the Chinese government considered a merger between the country's second and third largest MNOs, China Telecom and China Unicom, to accelerate the development of nationwide 5G mobile services. If it goes ahead, the companies active in the Chinese mobile market will go from three to two and create a stronger rivalry between the new company and China Mobile, which is currently way ahead of the competition in terms of revenue and customer base.

The similarity of players and their products also encourages rivalry. Each of the market's leading players provide the same core wireless services: calls, texts, data, and data roaming. Companies can attempt to differentiate themselves from competition in terms price, and value added services. As a result of the similarity of players, consumer choice is usually dictated by price, which creates a highly competitive market, with the companies offering the lowest priced mobile packages expected to attract the highest number of subscribers. This can be offset somewhat by the quality of services provided, including mobile coverage, device selection, and the availability of data. Consumers may be willing to pay premium prices for services such as unlimited data plans. In recent years, the market has slowed in response to a surge in competition, including price competition between major operators, the re-emergence of unlimited plans, and active promotion by new MVNOs.

Previously, this market was heavily driven by handset launches. Today, while handset innovation continues, the cost of a new mobile device has increased substantially, leading to consumers keeping their handsets for longer. This has also had an impact on store footfall. An increase in demand for SIM-only contracts and large data bundles is driving market growth.

5G technology has intensified competition in recent years. The performance of the mobile phone market is becoming increasingly reliant on data consumption trends. Consumers are demanding more data and 5G is a necessary technology for mobile operators to provide fast, low latency cellular broadband that better facilitates consumer data consumption and digital services. Competition has become increasingly fierce as mobile operates race to deploy nationwide 5G coverage. However, in China, competition is weakened by the allocation of spectrum according to the requirements and capabilities of telecom carriers. Existing MNOs are unable to compete for access to spectrum, which makes it difficult for competitors to increase their share of the market.

Overall, rivalry is assessed as strong.

Market Definition

The Mobile Phones market includes mobile phone service revenues and average minutes of use (MOU). Market values are made up of total mobile revenues containing revenues from mobile service providers and other members of the mobile service value-chain for the provision of mobile telephony services, excluding revenues from the sale of devices. Market volumes are made up of two segments: prepaid and postpaid, which consist of prepaid average monthly MOU and postpaid average monthly MOU. Minutes of use are

made up from the average of voice minutes used in mobile subscriptions, including both incoming and outgoing calls, but not including M2M/IoT voice services.

All market data and forecasts are represented in nominal terms (i.e. without adjustment for inflation) and all currency conversions used in the creation of this report have been calculated using constant 2021 annual average exchange rates.

Forecast figures in this report have taken into account the estimated impact that the COVID-19 pandemic will have on the market, though the length of the pandemic and restrictions imposed by governments around the world is not certain, therefore the impact on the market is difficult to predict.

For the purposes of this report, the global market consists of North America, South America, Europe, Asia-Pacific, Middle East, South Africa and Nigeria.

North America consists of Canada, Mexico, and the United States.

South America comprises Argentina, Brazil, Chile, Colombia, and Peru.

Europe comprises Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Russia, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

Scandinavia comprises Denmark, Finland, Norway, and Sweden.

Asia-Pacific comprises Australia, China, Hong Kong, India, Indonesia, Kazakhstan, Japan, Malaysia, New Zealand, Pakistan, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam.

Middle East comprises Egypt, Israel, Saudi Arabia, and United Arab Emirates.

Document DMRP000020220322ei3m000yh

China - Mobile Phones - Competitive Landscape

2,649 words
28 February 2022
MarketLine Industry Profiles
DMRP
English

The Chinese mobile phone market is dominated by three state owned corporations, meaning the market experiences little competition between incumbents and experiences little threat from new entrants or market disruptors. The largest of the three state owned communication corporations is China Mobile Limited which has close to one billion mobile customers and is recognized as the world's largest mobile service operator. However, the competition in the delivery of 4G services among China Unicom, China Telecom and China Mobile continues to intensify due to market saturation and tariff reduction. China is currently accelerating the construction of new **infrastructure** such as 5G network and data centers, and promoting in-depth integration of information communication technologies into the economy.

Who are the leading players?

China Mobile Limited is the leading telecommunications services provider in the mainland of China. The group provides full communications services in all 31 provinces, autonomous regions and directly administered municipalities throughout the mainland of China and in the Hong Kong Special Administrative Region. Its businesses primarily consist of mobile voice and data business, wireline broadband and other information and communications services. As of December 31, 2020, the group had a total of 454,332 employees, and a total of 942 million mobile customers and 210 million wireline broadband customers, with its annual revenue totaling RMB768.1 billion ($120.75 billion).

China Telecommunications Corporation is one of the largest mobile telecommunication providers in China. The company provides wireline and mobile telecommunications services, internet access services, information services and other value-added telecommunications services primarily in the People's Republic of China. As of December 2021, the company served 372.43 million mobile subscribers. In 2020, the group's mobile service revenues amounted to RMB181.7 billion ($28.56billion), representing an Y-o-Y increase of 3.5% and accounting for 48% of the company's total revenue for the year which amounted to RMB378.1bn ($59.4billion).

China United Network Communications Group Co. (China Unicom) is China's third-largest mobile service provider by subscriber base and revenues. The company has 317.1 million mobile billing subscribers as of December 2021. In 2020, the company registered service revenue of RMB275.8 billion ($40.5 billion).

What strategies do leading players follow?

The emergence of the 5th generation mobile network (5G) - a new global wireless standard designed to connect machines, objects, and devices - has created a strong demand for new mobile phones. Therefore, providing customers with 5G coverage has become a priority for most mobile phone service companies. China Mobile has taken steps to encourage customers to subscribe to 5G packages, using 5G devices, accelerated 5G migration and promoted the development of 5G through the companies '5G+'. As of the end of June 2020, China Mobile has accumulatively deployed and put in use 188,000 5G base stations in over 50 cities in China to provide commercialized 5G services. The number of 5G package consumers totaled 70.2 million, around 7.4% of the company's mobile subscribers.

China Mobile has adjusted its business model to focus on four core markets: the customer market, the home market, the business market and the new market (CHBN). The market focus is primarily on the development of 4G and 5G networks to maintain the company's market leading position in China in terms of handset data traffic and leading position in the commercialization of 5G technologies.

China Telecommunications Corporation has achieved 187.8 million 5G subscriptions, while this is lower than China Mobile, it accounts for 50% of the company's total mobile customers and leads the market in terms of the percentage of customers it has transferred onto 5G packages. In comparison, during 2020, China Unicom's 5G package subscribers reached 70.83 million, and the penetration rate of 5G package subscribers reached 23%. Applications such as e-Surfing ultra HD, cloud gaming and cloud VR are becoming increasingly popular in China which is driving demand for fast speed 5G networks.

China Telecom and China Unicom entered into a strategic cooperation agreement in 2016 to promote resource-sharing between the two companies. The areas of strategic cooperation include sharing capital expenditures such as their new rural 4G network, promoting a new smartphone standard, and jointly negotiating international roaming rates. In 2019, China Telecom collaborated with CUCL, a wholly-owned subsidiary of China Unicom. Together the companies have accelerated the roll-out of 5G networks by co-building and co-sharing. This has enabled them to leverage their complementary network and spectrum resources to save costs on network construction, operation and maintenance. In response China Mobile is also considering external cooperation for 5G network construction and sharing and has been in discussion with certain third parties to explore the potential cooperation arrangement.

This section contains brief overviews of the leading companies in the Chinese mobile phones market.

Company

Company Name: China Mobile Communications Group Co., Ltd

China Mobile Communications Group Co., Ltd (CMC) is telecommunication service provider. The company provides mobile voice communication services through its subsidiary China Mobile Limited. It offers data, internet protocol telephone and multimedia services. CMC provides services such as local call, domestic long-distance call, domestic roaming, international long-distance call, international roaming, e-mail communication, caller identity, reminder, call forwarding, mobile newspaper, call conceal, CRBT, conference call, mobile Internet, voice mailbox, call barring, GSM and GPRS roaming, mobile short messages, multimedia message, mobile data application and wireless music club services. The company also provides support center services such as service hall, on-line service center, hotline and text message service center. CMC is headquartered in Central, Hong Kong.

Head office: 60 Floor The Center, 99 Queen’s Road Central, Central, Hong Kong Special Administrative Region of China

Website: www.chinamobileltd.com

Financial Year End: April

Company Overview

China Mobile Communications Group Co., Ltd (CMC) is telecommunication service provider. The company provides mobile voice communication services through its subsidiary China Mobile Limited. It offers data, internet protocol telephone and multimedia services. CMC provides services such as local call, domestic long-distance call, domestic roaming, international long-distance call, international roaming, e-mail communication, caller identity, reminder, call forwarding, mobile newspaper, call conceal, CRBT, conference call, mobile Internet, voice mailbox, call barring, GSM and GPRS roaming, mobile short messages, multimedia message, mobile data application and wireless music club services. The company also provides support center services such as service hall, on-line service center, hotline and text message service center. CMC is headquartered in Central, Hong Kong.

Company

Company Name: China Telecom Corporation Limited

China Telecom Corporation Limited (China Telecom or ‘the company’) is an integrated information service provider. The company offers a range of telecommunications services including wireline voice services, mobile voice services, internet access services, value-added services, integrated information application services, information application services, outsourcing services, and network equipment services and other related services. China Telecom also provides wireline, internet and mobile value-added services including super cordless telephone services, SMS, caller ID services, color ring tone services, and telephone payment services. China Telecom through its subsidiaries operates in various geographical regions including the Americas, Europe, Asia-Pacific and Africa. The company is headquartered in Beijing, China.

The company reported revenues of (Renminbi) CNY393,561 million for the fiscal year ended December 2020 (FY2020), an increase of 4.7% over FY2019. In FY2020, the company’s operating margin was 7.3%, compared to an operating margin of 7.7% in FY2019. In FY2020, the company recorded a net margin of 5.3%, compared to a net margin of 5.5% in FY2019.

The company reported revenues of CNY110,004 million for the third quarter ended September 2021, a decrease of 2.1% over the previous quarter.

Head office: 31 Jinrong Street, Xicheng District, , Beijing, Beijing, China

Telephone: 861058501800

Fax: 861066010728

Number of Employees: 281192

Website: www.chinatelecom-h.com

Financial Year End: December

Ticker: 728

Stock Exchange: Hong Kong Stock Exchange

Company Overview

China Telecom Corporation Limited (China Telecom or 'the company') is an integrated information service provider. The company offers a range of telecommunications services including wireline voice services, mobile voice services, internet access services, value-added services, integrated information application services, information application services, outsourcing services, and network equipment services and other related services. China Telecom also provides wireline, internet and mobile value-added services including super cordless telephone services, SMS, caller ID services, color ring tone services, and telephone payment services. China Telecom through its subsidiaries operates in various geographical regions including the Americas, Europe, Asia-Pacific and Africa. The company is headquartered in Beijing, China.The company reported revenues of (Renminbi) CNY393,561 million for the fiscal year ended December 2020 (FY2020), an increase of 4.7% over FY2019. In FY2020, the company's operating margin was 7.3%, compared to an operating margin of 7.7% in FY2019. In FY2020, the company recorded a net margin of 5.3%, compared to a net margin of 5.5% in FY2019.

The company reported revenues of CNY110,004 million for the third quarter ended September 2021, a decrease of 2.1% over the previous quarter.

Business Description

China Telecom Corporation Limited (China Telecom or 'the company') offers a range of telecommunications services, including wireline voice services, mobile voice services, internet access services and value-added services. The company also offers integrated information application services, telecommunications network resource services and lease of network equipment services and other related services. It primarily operates in China.

The company classifies its business operations into five reportable segments: internet services, voice services, information and application services, telecommunications network resource and equipment services, and others.

Under internet services segment, it provides wireline internet access services, including dial-up and broadband services, and wireless internet access services. As of December 2020, the company had 153.5 million wireline broadband subscribers. In FY2020, the internet services segment reported revenue of CNY208,019 million, which accounted for 52.9% of the company's revenue.

Under voice services segment, the company offers services such as local calls, domestic long distance calls, international long distance calls, intra-provincial roaming, inter-provincial roaming and international roaming. As of December 2020, the company had a mobile subscriber base of 351 million and 107.9 million wireline telephone subscribers. In FY2020, the voice services segment reported revenue of CNY40,866 million, which accounted for 10.4% of the company's revenue.

Under information and application services segment, it provides various services such as Internet protocol TV, Whole-home WiFi, Family Cloud, e-Surfing Webcam, IDC, cloud computing, content delivery networks, Big Data, digital platform and system integration related services. It also provides caller display, SMS, multimedia messaging services, email services and music related content and applications services. As of December 2020, the company had 115.9 million e-surfing HD subscribers, and 237.6 million IoT connected devices. In FY2020, the information application services segment reported revenue of CNY96,885 million, which accounted for 24.6% of the company's revenue.

Under telecommunications network resource and equipment services segment, the company provides services relating to optic fiber and circuits such as the use of optic fiber and circuit; virtual private network; and use of bandwidth. It offers its services to large enterprise customers such as government authorities, large corporations and institutions. It also collaborates with various international telecommunications service

providers to build global communications networks for multinational corporations. In FY2020, the segment reported revenue of CNY22,623 million, which accounted for 5.7% of the company's revenue.

Under others segment, the company is involved in sales, repairs and maintenance of customer-end equipment. In FY2020, the others segment reported revenue of CNY25,168 million, which accounted for 6.4% of the company's revenue.

Company

Company Name: China United Network Communications Ltd

China United Network Communications Ltd (China United Network Communications) is a provider of broadband communications and information services. The company offers services related to fixed and mobile communications, domestic and international communications, satellite international private leased circuit (IPLC), data communications, network access, and value-added telecom services. It is also involved in providing voice, data, image and multimedia communications and information services. It provides services under the WO brand. The company primarily operates in China and Hong Kong. China United Network Communications is headquartered in Beijing, China

The company reported revenues of (Renminbi) CNY303,838.1 million for the fiscal year ended December 2020 (FY2020), an increase of 4.6% over FY2019. In FY2020, the company's operating margin was 5.1%, compared to an operating margin of 4.6% in FY2019. In FY2020, the company recorded a net margin of 1.8%, compared to a net margin of 1.7% in FY2019.

The company reported revenues of CNY80,314.7 million for the third quarter ended September 2021, a decrease of 1.9% over the previous quarter.

Head office: No. 21 Jingrong Street, , Beijing, Beijing, China

Telephone: 861066259179

Fax: 861066259544

Number of Employees: 242121

Website: www.chinaunicom-a.com

Financial Year End: December

Company Overview

China United Network Communications Ltd (China United Network Communications) is a provider of broadband communications and information services. The company offers services related to fixed and mobile communications, domestic and international communications, satellite international private leased circuit (IPLC), data communications, network access, and value-added telecom services. It is also involved in providing voice, data, image and multimedia communications and information services. It provides services under the WO brand. The company primarily operates in China and Hong Kong. China United Network Communications is headquartered in Beijing, ChinaThe company reported revenues of (Renminbi) CNY303,838.1 million for the fiscal year ended December 2020 (FY2020), an increase of 4.6% over FY2019. In FY2020, the company's operating margin was 5.1%, compared to an operating margin of 4.6% in FY2019. In FY2020, the company recorded a net margin of 1.8%, compared to a net margin of 1.7% in FY2019.

The company reported revenues of CNY80,314.7 million for the third quarter ended September 2021, a decrease of 1.9% over the previous quarter.

Market Definition

The Mobile Phones market includes mobile phone service revenues and average minutes of use (MOU). Market values are made up of total mobile revenues containing revenues from mobile service providers and other members of the mobile service value-chain for the provision of mobile telephony services, excluding revenues from the sale of devices. Market volumes are made up of two segments: prepaid and postpaid, which consist of prepaid average monthly MOU and postpaid average monthly MOU. Minutes of use are made up from the average of voice minutes used in mobile subscriptions, including both incoming and outgoing calls, but not including M2M/IoT voice services.

All market data and forecasts are represented in nominal terms (i.e. without adjustment for inflation) and all currency conversions used in the creation of this report have been calculated using constant 2021 annual average exchange rates.

Forecast figures in this report have taken into account the estimated impact that the COVID-19 pandemic will have on the market, though the length of the pandemic and restrictions imposed by governments around the world is not certain, therefore the impact on the market is difficult to predict.

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North America consists of Canada, Mexico, and the United States.

South America comprises Argentina, Brazil, Chile, Colombia, and Peru.

Europe comprises Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Russia, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

Scandinavia comprises Denmark, Finland, Norway, and Sweden.

Asia-Pacific comprises Australia, China, Hong Kong, India, Indonesia, Kazakhstan, Japan, Malaysia, New Zealand, Pakistan, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam.

Middle East comprises Egypt, Israel, Saudi Arabia, and United Arab Emirates.

Document DMRP000020220322ei3m000yf

Up and Comers
China's fourth state 5G carrier to open cellphone number registration in May

Ward Zhou
376 words
21 February 2022
TechNode
TENOEN
English

China Broadcasting Network (CBN), a new state-backed 5G operator, announced on Feb. 17 that it will start operating a new line of mobile network services from mid-May.

Why it matters: CBN is a newcomer to China's telecom market and faces competition from three established state carriers (China Mobile, China Telecom, and China Unicom). Compared to existing players, CBN has access to an extensive broadcast **content** library.

* The network is funded and overseen by the National Radio and Television Administration (NRTA), China's official media regulation agency. The government agency provides basic public broadcast services across the country, including to remote rural areas, allowing the network to access an extensive content library, a large user base, and tap into the agency's existing infrastructure.

Details: CBN announced on Feb. 17 that it will start operating a new mobile phone number network from mid-May. It will issue cellphone numbers that begin with 192.

* CBN tested its mobile network services via the 192 numbers with a small number of users last year.

* The operator gained a radio bandwidth of 700 MHz N28 with a 5G license issued by the Ministry of Industry and Information Technology, one of China's internet and telecom regulators.

* CBN's radio band is considered low-frequency, generally lower than 1 GHz or 1000 MHz, which tends to have broader coverage, better indoor range, and is cheaper to build. However, low frequency also has a slower transiting speed.

Context: Formed in May 2014, CBN was approved by the State Council, China's cabinet, and funded by the state.

* In early 2021, CBN partnered with established state 5G operator China Mobile and reached an agreement to build and share the 700 Mz 5G network. CBN will also acquire China Mobile's 2.6 GHz network.

Of the three established Chinese telecom providers, China Mobile leads the 5G market with 386.8 million users, China Unicom follows with 187.8 million, and China Telecom has 154.9 million, according to C114, a Chinese media platform focused on the telecoms industry.

Fiber Optic cables connected to an optic ports and Network cables connected to ethernet ports.

Document TENOEN0020220221ei2l00003

Beijing Decries Revocation of China Unicom License in US - IT Ministry

РИАН
216 words
3 February 2022
11:35
Sputnik News Service
RVESEN
English

MOSCOW, February 3 (Sputnik) - China strongly opposes the decision of the US Federal Communications Commission (FCC) to ban the activities of the China Unicom telecommunications company on US territory, the Chinese Ministry of Industry and Information Technology (MIIT) said on Thursday.

The FCC revoked the license of China Unicom (Americas) Operations Limited earlier in the day, saying the ban "safeguards the nation's telecommunications **infrastructure** from potential security threats." It suspects that the company is being influenced and controlled by the Chinese government.

"The revocation of the license without specifying violations is an unjustified act of oppression against Chinese companies, blurring of national security concept and misuse of authority," the MIIT said.

China Unicom has always complied with all US rules and regulations, while providing high-quality service in the United States, the ministry said.

"The US must recall its unjustified decision and stop generalizing the concept of state security and politicizing economics," the MIIT said.

China Unicom provides end-to-end global integrated services such as connectivity, internet, cloud, and internet of things. The company has been operating in the US for 20 years. It now has 60 days to terminate all local and international services that it provides from within US territory.

Document RVESEN0020220203ei23007y5

China Mobile shares rise in Shanghai debut after US exit:

90 words
30 January 2022
Pakistan and Gulf Economist
ASGULF
41
English

China Mobile shares have risen as they started trading in Shanghai after raising $7.7bn (£5.7bn) in China's biggest public offering in a decade. The shares opened 9.4% higher before ending the day just 0.5% higher. China Mobile's smaller rivals, China Telecom and China Unicom, have already made the move to their home country. The three firms were delisted from the New York Stock Exchange after a Trump-era decision to restrict **investment** in Chinese technology companies.

Document ASGULF0020220204ei1u0000v

telecompaper

ZTE, China Unicom complete Radio Composer trial in China's e-commerce demo base

210 words
28 January 2022
Telecompaper Asia
TELASI
English

ZTE and China Unicom have completed a commercial trial of Radio Composer in Heze Tianhua E-commerce Industrial Park, one of China's national e-commerce demonstration bases, in China's Shandong province. The industrial park features diversified 5G services such as mobile HD live streaming, short video and **cloud gaming**.

The trial results show that ZTE's Radio Composer has increased the average high-quality experience duration by 30 percent, laying a foundation for an immersive network for the industrial park, ZTE said.

ZTE's Radio Composer is designed to achieve a user-specific mobility policy with match of radio resources to user's service requirements, through user experience evaluation in real time, prediction of user expectation on service quality in multi-layer networks, and smooth handover with measurement-free scheduling based on machine learning of historical data.

Uplink experience is one of the major aspects that Radio Composer aims to improve for 5G users. ZTE's Radio Composer leverages service requirement identification and user expectation prediction to guide users to cells with best experience before the uplink rate actually degrades, so as to maintain a stable uplink, to power mobile HD live streaming and online gaming.

Document TELASI0020220128ei1s0008e

即市頭條- Latest News
US FCC Revokes CHINA UNICOM License to Operate in US

118 words
28 January 2022
AAStocks Financial News
AASFNE
English

The U.S. Federal Communications Commission (FCC) revoked the license of China Unicom (Americas) Operations Limited, under CHINA UNICOM (00762.HK), to provide domestic interstate and international telecom services within the U.S..

The FCC said in a statement that it finds that the action safeguards the U.S. telecom **infrastructure** from potential security threats.

In October 2021, the FCC revoked the authorization of the U.S. branch of CHINA TELECOM (00728.HK) to operate. In 2019, the FCC rejected a bid by CHINA MOBILE (00941.HK) to render U.S. telecom services, citing security risks.

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AAStocks Financial News

Web Site: www.aastocks.com

Document AASFNE0020220128ei1s000p2

China Unicom completes automatic provisioning of multi-protocol cross-vendor services with ZTE

272 words
20 January 2022
Telecompaper Asia
TELASI
English

ZTE has teamed up with China Unicom to complete the automatic provisioning of multi-protocol cross-vendor management and control system and multi-scenario services in the existing network of China Unicom. According to ZTE, this test has verified the automatic service deployment and interface openness of ZTE's intelligent management and control system Zenic One, and put the interoperability and disaggregation of multi-vendor **devices** in the ON (Optical Network) into practice.

As the ON gradually expands, China Unicom plans to achieve ON integration by implementing automatic cross-vendor service creation in its existing network to deliver services for its enterprise customers, in which the following key technologies are necessary interoperability of multi-vendor ON devices via the standard OTUk NNI (Optical Channel Transport Unit k Network-to-Network Interface); design, development and deployment of a collaborative system with a hierarchical architecture; as well as management and coordination of the management and control systems from various vendors, which supports orchestration, scheduling and provisioning of both inter-province and intra-province services of different vendors.

In this test, the SD-OTN collaborator developed by China Unicom was used to connect with the intelligent management and control systems of different vendors, one of which is Zenic One. The collaborator can obtain intra-domain and cross-vendor inter-domain topology and link resources, automatically create and delete unprotected and protected services transparently transmitted by ODU (Optical Channel Data Unit), automatically create and delete unprotected and protected services transmitted by EOO (Ethernet over OTN), and allow service bandwidth adjustment on demand and fault locating.

Document TELASI0020220120ei1k00002

Global Times
China’s top telecoms carriers to boost digital economy, focus on new infrastructure

Global Times
433 words
18 January 2022
Global Times
GLOTNE
P09
English

China Telecom Photo:CFP

China's three main telecommunications operators - China Mobile, China Unicom and China Telecom - will further promote the digital economy and establish new digital **infrastructure** in 2022, as they seek to accelerate the integration of new technologies like 5G with the real economy and take many industries digital, according to their annual work meetings.

Analysts said that the three major carriers are promoting self-reliant digital upgrading and transformation, and have made great progress in digital infrastructure across the country, as the US has been relentlessly cracking down on the three carriers and other Chinese technology firms.

As of October 2021, China Telecom and China Unicom had commercially deployed more than 600,000 shared 5G base stations, accounting for more than 40 percent of the world's 5G bases. China Mobile had built more than 500,000 5G base stations by the end of June 2021, ranking first in the world.

"China is at the forefront of the world in 5G core technology… In 2022, the three carriers will focus on the integration of new technologies, including 5G and artificial intelligence, with China's industries to promote a digital transformation," Ma Jihua, a telecommunications industry veteran analyst, told the Global Times on Monday.

In 2022, China Mobile will build a top-quality 5G network, achieving continuous coverage in townships across the country by the end of this year. China Unicom said that it will focus on big data and network security, striving to sell more than 150 million terminals, including smart home and industry applications.

China Telecom said by 2035, it will become a leading enterprise and a national strategic force in science and technology. The company has proposed increasing investment in research and development (R&D) to more than 4 percent of overall spending, with the proportion of R&D personnel to exceed 15 percent, and the contribution of science and technology innovation to revenue growth to exceed 70 percent.

The carriers will also focus on digital transformation and expanding the application of new technologies in the country's industries, including electronics manufacturing, education, healthcare and transportation.

Ma said that the goals of the carriers are in line with a digital economy development plan for 2021-25 released by the State Council on January 12. Under the plan, the added value of the core industries of the digital economy will account for 10 percent of GDP by 2025, and the digital transformation of the industry will reach a new level.

Global Times

Document GLOTNE0020220118ei1i0000j

XYTOWER | Analysis Of The Advantages of China's Telecommunication Towers

500 words
10 January 2022
M2 Presswire
MTPW
English

China’s iron tower has unique advantages in the construction of 5g network. First, national policy advantages. The establishment of China’s iron tower is an important measure of reform. The establishment of China’s iron tower aims to further improve the level of co construction and sharing of telecommunications **infrastructure** in the main field of communication iron tower, alleviate the problem of difficult location of enterprises, enhance the endogenous driving force of enterprise development, reduce construction costs, save resources and protect the environment. Therefore, in terms of promoting the construction of 5g base stations, the state requires China Tower to play the role of the main force. In terms of co construction and sharing, China Telecom, China Mobile and China Unicom should coordinate the joint promotion, which provides a guarantee for the development of China Tower.

Second, the advantages of iron tower resources. At the beginning of its establishment, China’s iron tower has millions of existing iron towers. Coupled with the large-scale and accelerated construction of 5g network construction, a large number of 5g base stations need to be built and put into use in the short term. This undoubtedly provides a rare opportunity for the new development of China’s iron tower and creates the irreplaceable market advantage of China’s communication iron tower.

Fourth, share innovation advantages. The document clearly stipulates that the iron tower should be used as much as possible, which has increased the utilization rate of stock resources to a certain extent. Due to the shared policy innovation and mechanism innovation, it has created considerable added value for China’s iron tower to reduce costs and increase efficiency. In addition, the communication iron tower is open to paid environmental protection, pollution monitoring, urban management and other social fields, It also greatly improves the social and commercial value of China’s iron tower site resources.

Under the condition of market economy, as a professional construction, operation and management team, China’s iron tower will face opportunities and challenges from all aspects, keep pace with the times, keep up with the situation, grasp the law and scientific operation, and move from development to new development and from progress to new progress.

Under the condition of market economy, as a professional construction, operation and management team, China’s iron tower will face opportunities and challenges from all aspects, keep pace with the times, keep up with the situation, grasp the law and scientific operation, and move from development to new development and from progress to new progress.

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Country: China

Website: https://www.xytowers.com/

Source: www.abnewswire.com

Document MTPW000020220111ei1a00234

China Unicom forms network vendors alliance at partners conference

78 words
10 January 2022
Telecompaper Asia
TELASI
English

China Unicom celebrated its 'Network Smart Operation Alliance' at a partner event held in December 2021. AsiaInfo said it was among the first to join the alliance of network suppliers, alongside Huawei, ZTE, and H3C.

At the conference, China Unicom also introduced new 5G innovations, such as its 'Smart Brain' **platform** for **cloud** networking, the 'Sailing' cooperation initiative and a new version of its 5G private network **platform** for industry applications.

Document TELASI0020220110ei1a000ji

Global Times
The openGauss powers database industry forward through innovation

Special
812 words
6 January 2022
Global Times
GLOTNE
P14
English

The openGauss summit 2021 is held in Beijing on December 28, 2021. Photo: Courtesy of Huawei

The 2021 openGauss Summit was held in Beijing on December 28, 2021 with the slogan "Gather Innovative Forces of Database in the Digital Era." This event is hosted by the openGauss community and co-hosted by 20 key database industry players. Collaborating with various industry partners, the event was designed to foster more technical innovation, **ecosystem** development, business success, open source collaboration, and talent training across the database industry.

At the summit, the openGauss Open Source Community Council and Technical Committee announced its new members and a subcommittee. Also in attendance was China Telecom, who released the industry's first cloud-native relational database TeleDB, and China Unicom, who kicked off the independently innovated China Unicom Database (CUDB). Both databases are developed based on openGauss.

Databases play an essential role in the digital economy, serving as fundamental software for data management and digital infrastructure. Database development demands a mechanism that brings together industry ecosystem players for long-term investment. Furthermore, it requires leading enterprises to open source code and continuously contribute to the ecosystem. With in-depth cooperation among industry players, universities, research institutions and users, as well as valuable applications and new ways of thinking, the database industry will be supercharged with new innovation.

The openGauss community technical committee upgrading ceremony Photo: Courtesy of Huawei

Databases serve as the data foundation for the digital era, involving complex interdisciplinary technologies. Based on open source and collaborative innovation, openGauss consolidates basic research, accelerates talent cultivation, and closely combines technology innovation with market applications through the integration of enterprises, universities, research institutions and users. With innovative forces from a range of sectors, openGauss represents a future-ready database.

Since going open-source on June 30, 2020, the openGauss community has attracted 100 major enterprises along the industrial value chain, covering the public administration, carrier, finance, energy, and manufacturing fields. The community has established 20 SIGs, attracted 2,500 developers from 558 cities in 81 countries and regions, and has seen over 500,000 downloads. Adhering to the concept of co-construction, sharing, and co-governance, openGauss aims to build an innovative open source community with enterprises, partners and developers. The openGauss community is continuously upgrading to create a better and stronger ecosystem.

Upgrading the openGauss community council

In September 2021, 18 organizations, including China Mobile, China Telecom, China Unicom, China Merchants Bank, Postal Savings Bank of China and Tsinghua University, established the openGauss Community Council. At this summit, the openGauss community council welcomed two new members. Now, the community council includes a wide array of members, including database vendors, enterprise users, universities, and research institutes. The council will focus on basic research, technological innovation, and industrial applications of databases to stimulate the development of the database industry.

The openGauss technical committee upgraded

As the leading body for the open source community, the technical committee determines the technical development roadmap. During this summit, 16 database technology experts from seven companies jointly formed a new technical committee, which will carry out technical innovation with all community members to enhance technical competitiveness.

The openGauss community subcommittee officially established

The new subcommittee will focus on database technologies, aiming to build a platform for teachers and university students to attract more partners to join the community, and push forward innovation, research,and education.

An official releases TeleDB for openGauss developed by China Telecom. Photo: Courtesy of HuaweiCollege developers can learn, practice, and contribute to the openGauss community in order to improve their technical capabilities and promote openGauss development.

The subcommittee is led by the openGauss community and is jointly built with industry ecosystem partners. The subcommittee's first group of organizers include Huawei, Vastdata, Yunhe Enmo, and Shenzhou General Data Technology. The openGauss community sincerely welcomes more partners to join the initiative in the future.

Technological innovation is driving the openGauss community forward. Jiang Dayong, head of the openGauss Community Council, said that the openGauss open-source database will provide a safe, stable, efficient, and intelligent data management for the new era of digital infrastructure to accelerate enterprise digital transformation. As a technical innovation platform, openGauss is working towards the most innovative open-source community in the database field.

The community also serves an important role in harnessing new technologies. At this summit, China Telecom released the industry's first cloud-native relational database TeleDB for openGauss. It features high performance, solid reliability, robust security, and ultimate intelligence. Since March 2021, the two parties worked together in openGauss containerization, cloud autonomy, cloud security, and ecosystem compatibility.

Technical partners from Tsinghua University, Peking University, and other sectors will strengthen basic database research and carry out innovation in containerization, time series databases, and graph databases to meet user requirements and foster major industry applications.

Document GLOTNE0020220106ei160005m

CE Noticias Financieras English
China Mobile debuts with gains in Shanghai after New York ouster

529 words
5 January 2022
CE NoticiasFinancieras
NFINCE
English

China Mobile, the Asian country's largest wireless provider that was removed from the U.S. market last year, posted gains on its first day of trading in Shanghai.

The state-owned company, one of the targets targeted by former U.S. President Donald Trump through an **investment** blacklist, rose as much as 10% before adjusting its advance to close up 0.5%.

The shares were sold at 57.58 yuan each in an Initial Public Offering (IPO) that is expected to raise 56 billion yuan (US$8.8 billion) after the company exercises an over-allotment option.

Considering the final amount, it is the largest IPO China has seen in more than a decade. The telecoms giant is making its debut in its home country after the New York Stock Exchange suspended trading in its shares nearly a year ago, along with those of two other major Chinese state-owned operators, China Telecom and China Unicom.

China Mobile shares in Hong Kong closed up 3.3%, trimming a gain of as much as 7.3% after the company announced it plans to exercise its powers under a buyback mandate to repurchase up to 2.05 billion shares after Feb. 7 in the Asian financial hub.

The firm is the latest to join its Chinese peers barred from New York by offering its securities at home. China Telecom has retreated about 5% since it began listing in Shanghai in August raising more than US$7 billion, and China Unicom, already listed there, was down about 7% last year.

5G ambition China Mobile is the world's largest operator by subscribers and has faced a hefty budget in a country looking to lead the world in 5G technology and future generations. Last year alone, the company committed the equivalent of US$17.3 billion to build out 5G networks.

Ultra-fast networks can take years to recoup the investment, as consumers are slow to adopt the new technology due to a lack of attractive applications. The IPO in Shanghai will help China Mobile raise funds to expand 5G infrastructure and develop uses to make it more profitable.

Proceeds from the IPO will be used to fund projects that will cost the company 157 billion yuan (US$24.7 billion) in total, China Mobile said in its prospectus. The company has also estimated that profits for 2021 could grow by up to 8% year-on-year to 116 billion yuan (US$18.25 billion).

CITIC and CITIC Securities are sponsors of the offering. While the listing attracted 19 strategic investors, mostly state-owned entities, underwriters will have to pay the equivalent of US$119 million to acquire 13.1 million shares, as some individuals and funds were unable to make payments after subscription.

Strategic investors in China Mobile will pay US$3.8 billion for 49.9% of its planned A-share offering, before exercising the greenshoe option (a provision that gives the underwriter the right to sell more shares than planned), and buyers will be subject to a lock-up period ranging from 12 to 36 months.

Document NFINCE0020220105ei15007ik

UTStarcom announces progress in work with China Unicom Research Institute on 5G transport network platform

396 words
4 January 2022
Telecompaper Asia
TELASI
English

UTStarcom has announced progress with China Unicom Research Institute in their cooperative development and field testing of a disaggregated networking platform for 5G transport networks. China Unicom Research Institute is a wholly owned subsidiary of China Unicom.

China Unicom actively explores open networking technologies. Since 2020, the subsidiary China Unicom Research Institute has been making its own White Box Router (WBR) Network Operating System (NOS), named Cunos, in cooperation with UTStarcom. The open-source network operating system is integrated for use in the access segment of the 5G transport network, which operates as IP RAN transport based on Segment Routing technology.

The Cunos platform is designed to support a variety of hardware implementations that can be based on certain Broadcom DNX series and Centec switching chips, Intel x86 and ARM CPUs, and non-redundant "pizza boxes" as well as redundant chassis platforms.

Initial Phase 1 features delivered in 2020 included the basic NOS framework, disaggregated architecture with ONIE support and hardware abstraction, L2/L3 forwarding, QoS, ACL, SyncE, and basic Netconf/YANG models. The recent Phase 2 development offers new features for the intended use of the platform on the 5G network of China Unicom, such as SR-MPLS forwarding, EVPN over SR-MPLS support, Ti-LFA, IP-FRR/VPN FRR, extended support of synchronisation including support of IEEE1588v2, BFD OAM support, extended multivendor integration of Netconf/YANG models for implementation of multivendor platform support, as well as other features and stability improvements.

The platform based on the Cunos operating system and deployed in the open network test environment successfully passed joint evaluation tests by China Unicom Research Institute, UTStarcom, and Purple Mountain Laboratories. Tests demonstrated stable and reliable operations, as well as functionality needed to carry 5G network traffic and related services.

During the verification tests, the Cunos was deployed and tested on UTStarcom's modular chassis-based disaggregated router based on the Broadcom DNX switching chip, and on a third party's disaggregated hardware router based on the Centec switching chip, demonstrating true openness and flexibility of the network disaggregation architecture. The platform with Cunos ported on UTStarcom's modular chassis-based disaggregated router and on the third party's disaggregated hardware router has now been deployed and connected to several live 5G network base stations for a field test.

Document TELASI0020220104ei140008d

DOW JONES NEWSWIRES

Press Release: UTStarcom Announces Progress in Cooperation with China Unicom Research Institute on Development of 5G Transport Network Solution

927 words
4 January 2022
10:33
Dow Jones Institutional News
DJDN
English

UTStarcom Announces Progress in Cooperation with China Unicom Research Institute on Development of 5G Transport Network Solution

HANGZHOU, China, Jan. 04, 2022 (GLOBE NEWSWIRE) -- UTStarcom ("UTStarcom" or the "Company") (NASDAQ:UTSI), a global telecommunications **infrastructure** provider, today announced progress with China Unicom Research Institute in their cooperative development and field testing of a disaggregated networking solution for 5G transport networks. China Unicom Research Institute is a wholly owned subsidiary of China Unicom, one of the major mobile network operators ("MNO") in China.

As a relatively new technology, the disaggregation of hardware and software in telecommunication networks is drawing serious interest in the telecom industry, especially for 5G transport networks. Disaggregation promises many benefits, such as the potential to reduce the capital commitment and operating costs of transport networks, eliminating vendor lock-in, speeding up innovation. Disaggregated networking solutions can support a variety of operator requirements in a flexible and cost-efficient manner.

As one of the 5G network market leaders, China Unicom actively explores open networking technologies. Since 2020, the subsidiary China Unicom Research Institute has been developing its own White Box Router (WBR) Network Operating System (NOS), named "CUNOS", in cooperation with UTStarcom. Under the terms of this previously announced cooperation agreement, the NOS is based on an open-source network operating system adopted and integrated for use in the intended application scenario: the access segment of the 5G transport network, which operates as IP RAN transport based on Segment Routing technology. The CUNOS platform is designed to support a variety of hardware implementations that can be based on certain Broadcom DNX series and Centec switching chips, Intel x86 and ARM CPUs, and non-redundant "pizza-box" as well as redundant chassis platforms.

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-- SR-MPLS forwarding

-- EVPN over SR-MPLS support

-- Ti-LFA, IP-FRR/VPN FRR

-- Extended support of synchronization including support of IEEE1588v2

-- BFD OAM support

-- Extended multivendor integration of Netconf/YANG models for
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-- Other features and stability improvements
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Mr. Li Hua, UTStarcom's Chief Executive Officer, commented, "The unique combination of our capabilities in NOS software development and in the design of carrier-grade redundant modular hardware platforms, as well as our extensive expertise in telecommunication networks technologies, brings great value to our customers. We enable them to build highly customized solutions optimal for their needs while significantly shortening time-to-market. This important milestone opens a path for deeper cooperation on both hardware platforms and software solutions in the future, and further strengthens UTStarcom's position in this strategic field of 5G transport networking."

About UTStarcom Holdings Corp.

UTStarcom is committed to helping network operators offer their customers the most innovative, reliable and cost-effective communication services. UTStarcom offers high performance advanced equipment optimized for the most rapidly growing network functions, such as mobile backhaul, metro aggregation and broadband access. UTStarcom has operations and customers around the world, with a special focus on Japan and India. UTStarcom was founded in 1991 and listed its shares on the Nasdaq Market in 2000 (symbol: UTSI). For more information about UTStarcom, please visit http://www.utstar.com.

About China Unicom Research Institute

China Unicom Research Institute is a professional innovative technology research institution of China United Network Communications Group Co., Ltd. It mainly serves the internal needs of the China Unicom Group to meet the needs of China Unicom's strategic planning, core technology research, management decision-making, as well as production and operation support. It is mainly engaged in studying of cutting-edge technologies and related applications, network technology research, market and management strategy research, and carries out research and development of external cooperation projects. China Unicom Research Institute has gradually grown up into a comprehensive base for China Unicom's core research, product development and testing, as well as a training center for hi-tech talents. At the same time, as a national engineering laboratory, it undertakes special research and development tasks assigned by the country.

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The Blueshirt Group

Mr. Gary Dvorchak

Email: gary@blueshirtgroup.com

(END) Dow Jones Newswires

January 04, 2022 05:33 ET (10:33 GMT)

Document DJDN000020220104ei1400103

NASDAQ OMX | GlobeNewswire

UTStarcom Announces Progress in Cooperation with China Unicom Research Institute on Development of 5G Transport Network Solution

913 words
4 January 2022
10:33
GlobeNewswire
PZON
English

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(END)

Document PZON000020220104ei140003k

Tech
Shanghai leads nation in 5G network and applications

Zhu Shenshen
363 words
27 December 2021
13:06
Shanghai Daily Online
SHNDOL
English

Shanghai has been recognized as one of Chinas One-Gbps cities, offering some of the fastest Internet in the country thanks to the citys booming development of 5G and broadband.Shanghai is one of 29 cities in Chinas first batch of One-Gbps cities, meaning both 5G and broadband bandwidth surpass 1 gigabyte per second, according to the Ministry of Industry and Information Technology.By November, Shanghai had built 52,000 outdoor 5G base stations to cover the city. As of September, Shanghais latest 1 Gbps broadband network covered 9.6 million families, with download speeds ranking No. 1 nationwide, local officials said.China Mobile, China Telecom and China Unicom all chose Shanghai to debut their 5G products and services. Prices have remained the same or fallen.Mobile networks are a key information **infrastructure** to help Shanghai boost innovation, push economic transformation and build the city as a global digital hub.

China Mobile recently displayed its latest digital and 5G applications in Shanghai, covering eight areas, such as smart transportations, virtual reality and intelligent agriculture.The 5G network makes resources and data flow better, is more efficient and boosts the digital economic development of the city, China Mobile said.Shanghai is developing over 600 5G applications and innovations, offering other cities a "Shanghai Format" on 5G, said the Shanghai Commission of Economy and Informatization, the citys top industry regulator.Unisoc, a chip designer based in Shanghai, announced large-scale production of its latest mobile platform and chip with partners and clients including China Telecom, ZTE, Hisense and TSMC.It offers strong functions and an affordable price, the company said.It aims to develop chips for "Everyones 5G," said Chu Qing, Unisocs chief executive.In the first half, Unisoc had an 8.4 percent market share in the global mobile chip sector, compared with 4.8 percent a year ago. It has become one of the top five vendors, along with Qualcomm, Huawei HiSilicon, MediaTek and Samsung, according to researcher Counterpoint.Besides Unisoc, tech giants like Huawei and ZTE have set up smartphone and device headquarters in Shanghai.

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Document SHNDOL0020211227ehcr0002w

AsiaInfo Technologies Ltd. - 5G is Setting Sail, Digital Intelligence Leads to Win-win Results | AsiaInfo Participated in the 2021 China Unicom Partnership Conference in Depth

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24 December 2021
Public Companies News and Documents via PUBT
LCDVP
English

* Click here to view this document in its original format

5G is Setting Sail, Digital Intelligence Leads to Win-win Results | AsiaInfo Participated in the 2021 China Unicom **Partnership** Conference in Depth

5G is Setting Sail, Digital Intelligence Leads to Win-win Results | AsiaInfo Participated in the 2021 China Unicom Partnership Conference in Depth

2021-12-09 AsiaInfo

On December 6-7, the 2021 China Unicom Partnership Conference was grandly held. As a core partner of China Unicom, AsiaInfo was invited to attend events including the main summit of the conference, the 5G Application Innovation Summit Forum, and the Summit Forum of Science and Technology Innovation. AsiaInfo has extensively cooperated with China Unicom in many aspects such as industrial collaboration, R&D and innovation, and makes joint efforts to enable more industries and more companies to share 5G development opportunities, and promote the vigorous development of the digital economy.

An important launch in the main summit to make joint efforts to drive the digital economy

The Conference is themed on "Inspiring New Ideas with Cohesion, Sailing to the Future". Liu Liehong, Chairman of China Unicom, delivered a keynote speech titled Sticking to the Main Channel of Digital Economy to Achieve a New Win-win Future of Digital Economy at the conference, announcing the new positioning of China Unicom: the national team, main force, pioneer, as well as the new strategy: strengthening the foundation, adhering to the right way to make innovation, integration and openness, and deploying the strategic businesses of social connection, big computing, big data, big applications, and macro-security. It will fully undertake the new mission given by the times, share the fruits of digital development, smooth the main artery of information for economic and social development, and build a new digital foundation.

At the main summit, Tian Suning, Chairman of AsiaInfo appeared through a video to wish the 2021 Unicom Partnership Conference a complete success on behalf of AsiaInfo, and expressed that as computing power drives the future and wisdom brightens life, AsiaInfo would like to go hand in hand with China Unicom to inspire new ideas with cohesion and set sail for the future.

At the conference, He Biao, Deputy General Manager of China Unicom, officially launched the "China Unicom Smart Brain Product". Gao Nianshu, Executive Director and CEO of AsiaInfo, was invited to attend the main summit and attended the launch ceremony with Liu Liehong, Chairman of China Unicom, Chen Zhongyue, General Manager of China Unicom, and senior executives from Huawei and ZTE. "Unicom Smart Brain" aims to create a symbolic and leading brain-like intelligent middle-ground and super-computing cloud-network engine, and build a high-speed, ubiquitous, cloud-network integrated intelligent hub for China Unicom and all walks of life.

Photo: Gao Nianshu attended the joint launch ceremony

AsiaInfo was among the first batch to join Smart Operation Alliance of China Unicom Network to jointly release 5G innovative products

On the Network Innovation Forum, China Unicom and industry partners initiated the establishment of "China Unicom Network Smart Operation Alliance". AsiaInfo, Huawei, ZTE, and H3C are among the first batch of alliance members. An Xiaoming, Vice President and China Unicom Business Division of AsiaInfo, was invited to attend the launch ceremony at forum and jointly released the White Paper 2.0 on Autonomous Networks of

China Unicom and innovative products such as cloud-network-edge integration, 5G private network operation platform, and network AI platform with Mai Yanzhou (Deputy General Manager of China Unicom) and business partners.

Photo: An Xiaoming attended the joint launch ceremony

In 5G Application Innovation Summit Forum themed "Navigated by 5G, Sailing to the Future", Liang Baojun, Deputy General Manager of China Unicom, Zhang Ping, Academician of the Chinese Academy of Engineering, Wang Zhiqin, Deputy Dean of the Chinese Academy of Information and Communications Technology, Xue Jiping, Senior Vice President of Government-Enterprise Business Division of China Unicom were present at the forum, and An Xiaoming, Vice President and General Manager of China Unicom Business Division of AsiaInfo was invited to attend. China Unicom and the members of the 5G Application Innovation Alliance jointly launched the "Sailing" action cooperation initiative, and released the "5G Industry Private Network Product System 2.0" (and 5G Private Network PLUS) and "20 Industry 5G Application Solutions".

Photo: An Xiaoming attended the joint launch ceremony

Gathering the power of science and technology innovation to co-build the integration of computing power and network

Mai Yanzhou, Deputy General Manager of China Unicom, attended and delivered a speech at the Summit Forum of Science and Technology Innovation. Ma Hongbing, General Manager of the Science and Technology Innovation Department of China Unicom, and other guests focused on the development and cooperation of science and technology innovation to introduce the new layout of science and technology innovation and cooperation, as well as the production-investment coordination support policy of China Unicom. Dr. Ouyang Ye, CTO and Senior Vice President of AsiaInfo, was invited to attend the event, and talked with executives from Huawei, ZTE, CICT, CEC, Intel and other companies about cloud-network integration, computing power-network integration, and discussed how to cooperate in scientific and technological innovation in the future.

Dr. Ouyang Ye stated that cloud-network integration is an inevitable choice for the development of new information infrastructure. The digital transformation of government and enterprise customers places new demands on the development of cloud-network integration, while computing power-network integration is an important means to achieve "integrated computing power-network" services. AsiaInfo and China Unicom have achieved tremendous results in the R&D and commercial implementation of the 5th generation of mobile communications, and have been exploring the development path and methodology from cloud-network integration to computing power-network integration. "With our leading products, services, operations, and integration capabilities, we will help China Unicom build facilities integrating cloud and network, a smart computing power and network brain architecture, unified cloud and network performance editing, and integrated computing power and network operation services to promote computing power-network integration in an all-around way."

Photo: Dr. Ouyang Ye attended the Summit Forum of Science and Technology Innovation

AsiaInfo has cooperated with China Unicom Since 2000. In 21 years, AsiaInfo has always been a core partner of China Unicom. By closely following the "Big IT Strategy" of China Unicom, AsiaInfo currently continues to help China Unicom build its "smart operation brain" capabilities, laying a solid foundation for "smart operation". At the same time, AsiaInfo takes data-driven DSaaS digital operation model to provide operation products and services to vertical industries such as communications, finance, public security, automobiles, and energy, and jointly explore the value of operation markets inside and outside the domain with China Unicom.

This year is the beginning of the "14th Five-Year Plan", and is also a critical year for China Unicom to accelerate its comprehensive digital transformation and achieve a new leap in high-quality development. AsiaInfo will work with China Unicom to cooperate with more partners to empower the digital transformation of the economy and society, boost the construction of a cyber power, the Digital China, a smart society, and a science and technology power, and contribute to the high-quality development of the economy and society.

* Original Link

Document LCDVP000202201O7ehco007pt

Economy
Tech alliance to boost Shanghai's digital transformation

Tracy Li
159 words
22 December 2021
13:09
Shanghai Daily Online
SHNDOL
English

The citys digital transformation is expected to step forward after two key companies forged an alliance to further apply technology in areas such as supply chain management, financial services, customer services and call centers.Zqalink, a tech subsidiary of ZhongAn Online P&C Insurance, joined hands on Wednesday with the Shanghai branch of China United Network Communications (China Unicom) to make the city smarter by tapping into their strengths in 5G and big data.The two aim to work together to promote the transformation and upgrading of supply chain finance by breaking down information barriers and resolving **funding** difficulties facing small and medium-sized enterprises.Shanghai aspires to become an international capital for digitization by 2035.In August, the city government signed a strategic cooperation agreement with China Unicom to speed up its digital transformation during the 14th Five-Year Plan (2021-2025).

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Document SHNDOL0020211223ehcm00009

China Mobile Aims to Raise USD 7.6 Billion in Shanghai after US Delisting

220 words
22 December 2021
EqualOcean
EQOCEN
English

In November 2020, the US government ordered Americans to be blacklisted for investing in Chinese companies deemed to have links to the Chinese military, including three of China's major mobile operators: China Mobile, China Unicom, and China Telecom. In the context of continuing tensions in Sino-US relations, a growing number of US-listed Chinese companies seek to list back to China or Hong Kong.

China Mobile said it expects to reach a net profit of CNY 114.3 million to CNY 116.46 million this year, with a growth rate of 6% to 8% year-over-year. According to its prospectus, the world's largest wireless carrier by subscriber figures will sell 845.7 million shares at the price of CNY 57.58 per share. CICC and Citic are the joint sponsors of this stock offering. The telecom giant said the fund raised would go toward 5G network expansion, **cloud infrastructure**, smart living projects, and tech development.

The listing price in Shanghai Stock Exchange will be sold with a 52% premium versus its Hong Kong-listed stock based on its closing price of HKD 46.45 last Friday. The company's stock will trade under the code 600941 in Shanghai.

Click to view image.

Document EQOCEN0020211222ehcm00003

China Unicom targets sale of 150M devices in 2022

Robert Clark
472 words
7 December 2021
Light Reading
LITEREAD
English

China Unicom has unveiled its plans for 2022, which involve selling 150 million **devices** and pursuing a new strategy that focuses on the digital economy.

The company revealed the plans at its annual partner conference Monday, but didn't elaborate on the device target, although it acknowledged it needed to expand relationships with partners in the development chain.

Click here to view Figure 1.

The target covers handsets, smart home devices and industrial terminals, website C114 reported. Unicom said it expects to sell more smart home devices as part of the shift from traditional broadband to gigabit smart homes.

Digital transformation

Unicom and other state telcos are powerful players in the China device business, each ordering tens of millions of handsets every year, although they never disclose the total numbers shipped.

According to government figures, 248 million phones were sold in China in the first nine months of 2021. Last year 307.9 million handsets were shipped.

Unicom Chairman Liu Liehong also announced a new strategy with a tighter focus on the digital economy.

He said Unicom would "make deep and large connections with the digital world," with "big connectivity, big computing, big data, big applications and big security" at the center of its services.

It would expand its big data capabilities, with deeper integration with AI and blockchain, and accelerate business digitalization.

The telco would continue to develop "first-class 5G, gigabit broadband, enterprise and IoT networks to connect thousands of households, buildings, gardens, enterprises and factories," he said.

Liu said Unicom, the telco partner for next February's Winter Olympics, would "build a secure first line of defense in cyberspace" and be a "guardian of the new digital information infrastructure."

Outlook cloudy

The company also released the China Unicom "smart brain," its intelligent supercomputing cloud network engine, which would help forge cloud-network and computing-network integration.

Additionally, it unveiled the upgraded cloud-native China Unicom Cloud, which is now embedded with AI, blockchain and aPaaS (application-platform-as-a-service) components and capable of integrating digital intelligence into PaaS products to support billions of IoT connections.

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China Unicom and its two rivals have enjoyed a surge in demand for enterprise services in recent years.

Its industry Internet business is its fastest-growing segment with revenues up 25% in the first three quarters, accounting for 18% of Unicom service revenue.

Related posts:

* Behind China's huge 5G numbers: Fast rollout and low prices

* China telecom operators join the metaverse race

* China leading world in public cloud growth

* Enterprise, not 5G, powers China Mobile, Unicom earnings growth

* China Unicom: The biggest 5G impact will be on manufacturing

- Robert Clark, contributing editor, special to Light Reading

rclark@electricspeech.com
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China Unicom steps up 5G push for edge in internet of things

Ma Si
489 words
7 December 2021
China Daily-Global Edition
CDGLED
9
English

China Unicom, a major Chinese telecom carrier, said on Monday it will step up its push to hone its sprawling 5G network **infrastructure** and gain an upper hand in the era of the internet of things.

Liu Liehong, chairman of China Unicom, said the Beijing-based company aims to build a sound digital **infrastructure** for high-quality social and economic development and make the leap from supporting basic telecom connections to enabling smart connections of all things.

China Unicom will give full play to the advantages of communication big data, enhance the integration capabilities of big data, artificial intelligence, and blockchain technologies, and activate the value of data, Liu added at the company's global partners conference which kicked off in Beijing on Monday.

Eager to deepen cooperation in supply chains, China Unicom will join hands with all industrial parties in areas such as smart homes, industrial application of 5G, as well as build an ecosystem for smart terminals to fully open its capabilities, the senior executive said.

The efforts came after China's 5G mobile subscriber accounts reached more than 450 million as of mid-November, taking up over 80 percent of the global total. 5G network coverage has been achieved in urban areas of all prefecture-level cities, 97 percent of counties and 40 percent of rural towns across the country, data from the Ministry of Industry and Information Technology showed.

By the end of October, China Unicom had 143 million 5G mobile subscribers, with 72.68 million subscribing to its 5G data packages this year.

The penetration rate of 5G in China is expected to exceed 30 percent by the end of this year and this will usher in new growth opportunities, said the Global System for Mobile Communications Association, a global telecom industry body known by its acronym, GSMA.

Sihan Bo Chen, the China head of GSMA, said under the background of rapid global 5G deployment, the revenue structure of global operators has changed. In addition to traditional telecommunications sales, revenue from new services has increased significantly. The revenue growth of Chinese telecom operators has been particularly impressive, she said.

As the official telecommunications service provider for the Beijing 2022 Winter Olympics, China Unicom is also working overtime to help make the events into a smart sports gathering enabled by cutting-edge communication technologies.

From self-driving cars and unmanned retailing to digital renminbi, viewers who plan to visit Shougang Industrial Park in Shijingshan district of Beijing for Olympics events will be able to enjoy a smart trip, thanks to the technological support of China Unicom and its partners.

Liu Qi, a senior technical expert at China Unicom's smart city research institute, said the company has developed a 5G-enabled intelligent vehicle networking system in the Shougang park, with a coverage area of 1 million square meters.

masi@chinadaily.com.cn

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Ma Si
489 words
7 December 2021
China Daily-Hong Kong Edition
CHNDHK
14
English

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China Daily
CHNDLY
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WM Motor, China Unicom’s Shanghai unit to team up on industrial Internet, 5G application

Monika
297 words
3 December 2021
Gasgoo Automotive News
GASGEN
English

Shanghai (Gasgoo)- WM Motor and China Unicom's Shanghai branch entered into an agreement earlier this week for the strategic collaboration on industrial Internet, 5G-enabled applications, **cloud** service, and other fields related to digital transition for enterprises.

WM Motor, China Unicom' Shanghai branch signing agreement; photo credit: WM Motor

Under the agreement, the duo will form a long-term strategic partnership to improve respective technical innovation capabilities. To be specific, WM Motor will provide its smart electric vehicles and personalized after-sale services for China Unicom (Shanghai) and employees. Meanwhile, the telecommunications giant will offer to the EV startup its network services, resources (including the fixed-line voice, broadband, transition, the mobile network package, and 2/3/4/5G network), as well as products and services about cloud, big data, and IoT (Internet of Things).

Moreover, as for automotive business, the two parties will carry out trial cooperation on researching the technologies related to cloud computing, big data, IoT, AI, 5G, and mobile edge computing, and exploring the pilot applications based on 5G smart industrial parks, 5G smart factories, car-road synergy, autonomous driving, and visual inspection.

For the sake of digital transition and upgrade, the two companies will discuss the cooperation on the R&D, construction, application, maintenance, and operation of smart manufacturing-related digital solutions, in a bid to further improve the efficiency of large-scale tailor-made C2M (customer-to-manufacturer) solutions.

WM Motor has already rolled out four production models, namely, the EX5, the EX6, the W6, and the M7, including three SUVs, and one sedan. In Wenzhou and Huanggang, the startup has built two car manufacturing plants in total, which tout high level of digitization and automation.

Document GASGEN0020211203ehc30002t

China Telecom rolls out Huawei MetaAAU in Beijing

Saf Malik
215 words
25 November 2021
Capacity Magazine
CAPMAG
English

The solution was released in October and Huawei says it is the ideal solution to improve both network performance and energy efficiency using innovative **hardware** and software.

MetaAAU introduces a large antenna array that enables 384 antenna elements - double that of a conventional AAU which enables 192. For software, MetaAAU uses Adaptive High Resolution (AHR) Turbo algorithm to allow precise and targeted beamforming.

China Unicom has already deployed MetaAAU in its live 5G network in Beijing. MetaAAU improves coverage by 3dB 6dB and user experience metrics by 30% and 60% respectively.

In one of its flagship projects, 5G Capital, China Unicom Beijing is using MetaAAU to add 30% in both uplink and downlink coverage along with a 25% better experience among cell edge users.

Huawei says that MetaAAU is also a powerful energy efficiency tool. The vendor says it allows base stations to achieve the same level of coverage for cell-edge users but with a lower transmit power, reducing energy consumption by approximately 30% over conventional AAUs.

The operator adds that MetaAAU should be a key part of the innovation portfolio for future ICT companies given that 26 CEOs of European ICT firms have committed to combatting climate change with the European Green Digital Coalition (EGDC).

Document CAPMAG0020211213ehbp00013

telecompaper

GSMA starts accelerator initiative for 5G mmWave

177 words
11 November 2021
Telecompaper World
TELWOR
English

Mobile industry group GSMA has started a global accelerator initiative aimed at driving awarenesss of 5G mmWave technology and the role it plays in unlocking the full potential of 5G. Companies taking part in the initiative will share mmWave intelligence, best practices and use cases for the information of interested parties. Participants include China Unicom, NTT Docomo, Telstra, TIM and Verizon, plus vendors Ericsson and Qualcomm.

The accelerator initiative said it will spearhead projects focused on exploring everyday business implementations and increasing **education** efforts around mmWave benefits. This first stage should be completed in time for February's MWC Barcelona, which will sport the theme **Connectivity** Unleashed.

GSMA noted that 5G mmWave delivers increased bandwidth, fast data speeds and, lower latency to users. It is particularly useful in populated areas such as campuses and entertainment and sports venues, because it a cost-effective way to increase network capacity. A combined mmWave and 3.5GHz network can also facilitate expansion into new areas including Fixed Wireless Access with fibre-like speeds.

Document TELWOR0020211111ehbb000dy

即市頭條- Latest News
C Suisse Keeps Top 3 CN Telcos at Outperform, Top-pick CHINA TELECOM (00728.HK)

220 words
5 November 2021
AAStocks Financial News
AASFNE
English

All three major Chinese telecommunication companies predicted that the strong 1H momentum will extend into 2H, with the competition remaining stable, reported Credit Suisse, after meeting with the three companies. Also, the three telcos mentioned that the average revenue per user (ARPU) has been showing signs of recovery and that immense growth potential could be seen in the **cloud** business.

Credit Suisse remarked that this year's earnings forecasts of CHINA MOBILE (00941.HK), CHINA TELECOM (00728.HK) and CHINA UNICOM (00762.HK) were lowered by 1% each, while the 2022 forecasts were cut by 2%, 3% and 5%. The downward revision was made to reflect the potential power tariff hike, the broker added. Given that the financial impact from the possible tariff hike is projected to be minimal, the target prices of CHINA TELECOM and CHINA UNICOM's H-shares were kept at $6.1 and $6.5, while that of CHINA MOBILE was slightly reduced from $85 to $84.9.

Also, Credit Suisse maintained the Outperform rating for the three major Chinese telecommunication players, stating CHINA TELECOM as its top pick, followed by CHINA MOBILE and then CHINA UNICOM.

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AAStocks Financial News

Web Site: www.aastocks.com

Document AASFNE0020211105ehb5003ux

Seth Electronics Secures Series B+ Venture Funding

128 words
2 November 2021
MarketLine Financial Deals Tracker
FDTRA
English

Deal In Brief

Seth Electronics Co Ltd., a Chinese supplier of synchronous clock equipment has secured Series B+ venture **funding** from Bojiang Capital, China Unicom, Tsingkong Huachuang, and Keyuan Industry fund.

Deal Type	Venture Finance
Sub-Category	Growth Capital/Expansion
Deal Status	Completed: 2021-10-28

Deal Participants

Target (Company)	Seth Electronics Co Ltd
Acquirer 1 (Company)	China Unicom
Acquirer 2 (Company)	Keyuan Co Ltd
Acquirer 3 (Company)	Tsingkong Kechuang Zhiyun Technology Co. Ltd

Deal Rationale

Document FDTRA000202111102ehb1000b9

Huawei Smart IDC Energy Saving Catalyst Project wins the 2021 TM Forum Sustainability Impact Award

894 words
25 October 2021
ENP Newswire
ENPNEW
English

Release date - 22102021

Recently, the project 'Smart IDC-Intelligent Energy Saving for Data Centers' co-incubated by Huawei, China Telecom, China Unicom, and China Mobile won TM Forum's Catalyst Team Award for **Sustainability** Impact.

TM Forum's Catalyst Awards celebrate the most revolutionary successes in advancing the telecoms industry, proof-of-concepts for industry standards, impact on global sustainability goals and noteworthy contributions to the acceleration of digital transformation throughout the industry.

the 2021 TM Forum Sustainability Impact Award

Smart IDC Energy Saving Catalyst Project Wins the 2021 TM Forum Sustainability Impact Award

'Congratulations on the achievements of the Smart IDC project.' Adriano Poloni, the managing director of the TM Forum Review Team commented, 'The Smart IDC project effectively uses technologies such as AI, big data, and digital twin. The project proposes an impactful yet feasible solution for energy saving, carbon emission reduction, and efficient utilization of water resources. This solution has been piloted in multiple carriers and data provided has verified the strong results. A comparison of effects from different stakeholders shows that the project meets expectations.'

Huawei BestDC@NAIE

Huawei BestDC@NAIE as the Digital Service Platform of Smart IDC Energy Saving Catalyst Project

The impact of global carbon neutrality is driving the development of new 'green' considerations in the data center construction process. In this project, Huawei's Global Technical Service Dept and General Development Dept, together with the AI R&D Center of China Telecom Research Institute and the Network AI Expert Team of China Unicom Intelligent Network Innovation Center, completed the cloud-edge-end Smart IDC energy-saving solution by combining simulation, AI, big data, and the experience of many experts in the data center integration service field of Huawei. The AI energy-saving solution is applicable to mainstream large-scale data centers, such as IDCs of different cooling systems (air-cooled system, water-cooled system, and indirect evaporative cooling system). The BestDC@NAIE Digital Service Platform of Smart IDC project has been deployed and verified in data center energy-saving projects in China Telecom Guangxi and China Unicom Shanghai.

'I am pleased that we won the 2021 Sustainability Impact Award with Huawei, an important partner of China Telecom. ' said Dr. Zeng Yu, head of the Smart IDC Energy Saving Team at the AI R&D Center of China Telecom Research Institute. 'With the rapid development of the digital economy, China Telecom is constantly improving energy efficiency. It is of great significance to actively utilize AI, big data, and simulation capabilities to improve the operating efficiency of traditional equipment rooms and achieve green and sustainable development of data centers. We are grateful to TM Forum for choosing us as the recipient of this important award.'

Gao Jingting, senior product manager of the Network AI Center of China Unicom Intelligent Network Innovation Center, stressed, ' It is very meaningful to work with Huawei to explore the energy saving solutions of data centers in the context of achieving carbon neutrality. The Network AI Center has been dedicated to building a one-stop AI platform to enable our market department and network department to improve operational efficiency and reduce operation costs. Energy saving in data centers is the successful application of AI in specific scenarios. We are very grateful to TM Forum for its recognition of us. It also strengthens our determination to increase investment in AI and energy saving.'

'China Mobile has deployed energy saving and emission reduction as a strategic task. ' said Guo Zhibin, the project manager of the Information Technology Center of China Mobile. 'As the construction and maintenance

department of IT infrastructure, the Information Technology Center is dedicated to promoting research on infrastructure energy saving. The Smart IDC Catalyst project has shown us the research achievements of the industry in this regard. The experience of working with the project team is very helpful to us in further research on energy saving in data centers.'

The results of the energy saving pilot programs show that the energy saving solutions based on simulation, AI, and expert experience can help medium and large IDCs save power by 10 to 15%. The development and economic benefits of this solution are impactful, especially when implemented at scale. Take a data center with 1000 cabinets of 5 kW/rack as an example. Assume that the actual operating load rate is 40%, the operating PUE is 1.57, and the electricity price is $0.093/kWh. If the load rate remains unchanged, the Smart IDC energy saving solution is expected to save 2.8 million kWh of electricity each year and the electricity cost is about $270,000, reducing 2,600 tons of carbon emission, which is equivalent to planting 110,000 trees.

Over the years, the Catalyst Team Award has been revolutionary in advancing the telecommunication industry, proof of concept for industry standards, impacting global sustainability goals, and accelerating digital transformation across the industry. Based on the concept of improving the digitalization of global data centers, Huawei provides practical technical paths based on carrier grade services, integration, and operation capabilities. Huawei is devoted to accelerating the green & energy-saving transformation of data centers, promoting sustainable development of society, and benefitting the public.

[Editorial queries for this story should be sent to newswire@enpublishing.co.uk]

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China's Telcos, Yonyou Look Well-Positioned to Gain From State-Owned Cloud Plans -

135 words
25 October 2021
08:52
Dow Jones Newswires Chinese (English)
RTNW
English

0728 GMT - China's three major telecom operators and software developer Yonyou Network Technology look well-positioned to capture demand from the state-owned **cloud** initiative, Jefferies says. Several local governments have recently unveiled plans to build state-owned **cloud** platforms for government and state-owned companies' data. Jefferies reckons the three major telcos, China Unicom, China Telecom and China Mobile, would likely get a substantial share of the new market, given their good relationships with the government and their capacity to provide both network and data-center services. Yonyou could also win from the initiative, as it is already working with multiple local governments on digital platforms.
(yifan.wang@wsj.com)

(END) Dow Jones Newswires

25-10-21 0752GMT

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DOW JONES NEWSWIRES

China's Telcos, Yonyou Look Well-Positioned to Gain From State-Owned Cloud Plans -- Market Talk

142 words
25 October 2021
08:28
Dow Jones Institutional News
DJDN
English

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(END) Dow Jones Newswires

October 25, 2021 03:28 ET (07:28 GMT)

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Huawei Technologies Co. Ltd. - Huawei Smart IDC Energy Saving Catalyst Project wins the 2021 TM Forum Sustainability Impact Award

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22 October 2021
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PCNVB
English

* Click here to view this document in its original format

Huawei Smart IDC Energy Saving Catalyst Project wins the 2021 TM Forum Sustainability Impact Award

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Sunday Observer

Dialog Axiata Wins TM Forum Award for Excellence in AI, Data & Insights

462 words
18 October 2021
Sunday Observer (Sri Lanka)
SUNOSL
English

Sri Lanka, Oct. 18 -- Dialog Axiata PLC, Sri Lanka's premier **connectivity** provider, clinched a coveted TM Forum 2021 Excellence Award, that recognises outstanding achievements in Digital Transformation across Communications Service Providers (CSPs), Solutions Developers and Innovators globally.

Dialog was selected as joint winners alongside the combine of China Unicom & Huawei, in the AI, Data and Insights category, emerging ahead of a shortlist of global leaders in Digital Transformation including Verizon & Bell, Amdocs, and Cosmote & Intracom. The AI, Data and Insights Award shortlisted and recognised companies that leveraged Advanced Analytics and AI capabilities to deliver superior customer experience and operational efficiency.

In line with its Brand ethos of delivering 'The Future.Today', Dialog's 'Analytics at the Edge' programme, utilising advanced Analytics and cutting-edge technology, enabled the company to scale analytics capability from 16 central resources to a team spanning more than 100 and tripling the analytics contribution to overall business performance. The initiative was further supported by Axiata Digital Labs (ADL), the Digital Innovation and Software Development unit of the Axiata Group Berhad, with their expertise in analytics and resource augmentation.

Commenting on the achievement Lasantha Theverapperuma, Group Chief Operating Officer of Dialog Axiata PLC said, "We are both honoured and humbled by this global accolade from TM Forum. We set out to democratize the use of data analytics across the organisation through our 'Analytics at the Edge' programme. We are pleased to have been recognised for our efforts of evolving into a data-driven corporate by embedding Analytics DNA in our workforce to efficiently solve business problems and provide exceptional customer experience across multiple business verticals."

Previously, Dialog won a TM Forum Excellence Award in 2020 under the Customer Experience and Trust category, which recognised the Company for creating and managing complex digital services to deliver greater customer experiences, build trust and loyalty, and ensure business growth. Dialog, the Sri Lanka Subsidiary of the Axiata Group is the country's leading connectivity provider serving over 16.9 million customers with cutting edge mobile communications services and covering over 1.6 Million households with Television services in addition to Fixed connectivity. Dialog is a 7 times winner at the Global Mobile (GLOMO) Awards of the GSM Association.

TM Forum is the global telecommunications association of service providers and their respective suppliers in the industry and has a membership of 850 companies from 180 countries. The global telecommunications industry generates over two trillion in revenue and has a customer base that exceeds 5 billion subscribers.

Document SUNOSL0020211018ehai00001

Daily News

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462 words
18 October 2021
Daily News (Sri Lanka)
DAINSL
English

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TM Forum is the global telecommunications association of service providers and their respective suppliers in the industry and has a membership of 850 companies from 180 countries. The global telecommunications industry generates over two trillion in revenue and has a customer base that exceeds 5 billion subscribers.

Document DAINSL0020211018ehai0008e

China Unicom andHuawei Won the TM Forum Digital Transformation World Summit 2021 'AI, Data and Insights'Excellence Award

579 words
14 October 2021
Kabulpress.org
KPRESS
English

China Unicom Intelligent Network Innovation Centers AI-based network operation management **platform** project won the AI, Data and Insights Excellence Award at the Digital Transformation World Summit 2021 (DTWS 2021) hosted by the TM Forum. This project is based on the China Unicoms intelligent network **platform** architecture, and it is a next-generation intelligent O&M solution jointly developed by China Unicom and Huawei. The TM Forum Excellence Awards recognize the world's leading companies for their innovative achievements spanning digital transformation, business and IT agility, customer centricity, cross-industry partnering and collaboration, and product and service innovation.

With the advent of 5G, network operations of telecom operators are undergoing comprehensive transformations. Networks are offering more and more services, and users have higher expectations for quality experiences. Moreover, as networks become increasingly complex, automation and intelligence are vital solutions to improving the consumers network experience. Operators Network O&M are becoming more difficult and the OPEX remains high, so it is urgent to use new technologies such as big data, automation, and intelligence to improve efficiency, reduce costs, and optimize the system.

The China Unicom Intelligent Network Innovation Center aims to "innovate network products, enable intelligent operations, and realize business value" and it builds an intelligent operation product R&D team. Intelligent network O&Ms are implemented based on the new man-machine collaboration mode. AI intelligence finds cross-discipline and cross-domain notifications, covering wireless, transmission, power, and environment devices, implementing automatic fault compression and correlation. Big data and AI are used to predict dynamic indicator thresholds of 1000+ KPIs and provide early warnings before faults affect the end users, implementing fault prediction and prevention. The knowledge graph accumulates more than 800 fault diagnosis tree model libraries to implement automatic root cause diagnosis of faults. After identifying the root cause of a fault, scenario-based APIs are automatically invoked to implement fault self-healing and network autonomy. The AI algorithms are used to evaluate the value contribution of the network by base station. On the premise of ensuring good user experience, it can realize multi-network collaboration and intelligent energy saving, improving the intelligent network operation level, reducing costs and increasing efficiency.

Taoye Zhang, general manager of China Unicom's Intelligent Network Innovation Center, said: "China Unicom and Huawei have jointly explored and promoted digital transformation in the intelligent O&M field, and achieved results. The capability engine based on the network AI platform provides many intelligent applications in fault correlation, fault prediction, network monitoring, network optimization, preventive maintenance inspection and energy saving. For example, intelligent monitoring and troubleshooting has been used in more than 50 scenarios on 2G, 3G, 4G, and 5G networks. The diagnosis success rate is over 90%, the intelligent inspection efficiency was 20 times more productive, and the annual AI energy saving exceeds 100 million yuan. As the pace of digital transformation continues to speed up in the future, China Unicom will continue to accelerate the evolution of network intelligent operations and enlighten the future. "

Yu Lu, Director of Huawei Network Assurance & O&M Service Dept, said: "Huawei enables telecom operators to accelerate their transformation to digital O&M through open platforms and knowledge assets. And Huawei conducts in-depth discussions and cooperation with telecom operators and global partners such as TM Forum, China Unicom on digital O&M to help customers achieve business success.

Document KPRESS0020211014ehae0008e

Huawei Awarded 'Outstanding Solution Cases' and 'Outstanding Innovative Technology Application Case' by ICT China 2021

541 words
12 October 2021
ENP Newswire
ENPNEW
English

Release date - 11102021

Huawei baged multiple awards at PT Expo China 2021. Its Core Network Autonomous Driving Network Solution and **Cloud** Native Telco **Cloud** Solution are selected as 'Outstanding Solution Cases' by ICT China 2021 at the Expo, and the '5GtoB One **Cloud**' jointly built by Huawei and China Unicom is selected as the 'Outstanding Innovative Technology Application Case'.

PT Expo China is one of the world's most important ICT expos. Since its inception in 1990, PT Expo China has become widely known both in China and abroad as a platform that both showcases the latest and greatest ICT-related technologies as well as offering a glimpse of future trends in the ICT industry. During each year' expo, panelists select and award the most cutting-edge solutions in the ICT industry.

Award ceremony 1

Award ceremony for Outstanding Solution Cases

Huawei's Core Network Autonomous Driving Network Solution - winner of the Outstanding Solution Case award - adopts a 'one-body and two-wing' architecture. In this solution, data on the network is aggregated and serves as the foundation or 'body' of the system, while the workflow orchestration engine and AI engine, which make up the 'two wings' of the system, improve automation and intelligence during the network planning, construction, maintenance, optimization, and operation. With the high automation and intelligence, automatic network-healing can be achieved to ensure a highly stable network, automatic configuration can be realized for efficient network operations, and automatic optimization can be attained to provide users with an ultimate usage experience. Through these efforts, this solution greatly helps operators with their digital transformation.

Huawei also received an Outstanding Solution Case Award for its Cloud Native Telco Cloud Solution. Telecom cloud native is considered an optimal approach for 5G core network construction and Huawei's Cloud Native Telco Cloud Solution incorporates many enhanced technologies relating to cloud native, edge native, polymorphic resources, and autonomous driving networks. These enhanced technologies, such as dynamic huge page memory, NUMA anti-affinity, storage bypass, and batch system upgrade, help customers build 5G networks featuring high reliability, high performance, and easy O&M, to provide better telecom services and facilitate network evolution.

Award ceremony 2

Award ceremony for Outstanding Innovative Technology Application Cases

The '5GtoB One Cloud' co-developed by Huawei and China Unicorn, also received an Outstanding Innovative Technology Application Case award. The 'One Cloud', is a unified and intensive operations platform that features 'one-off registration, anywhere access; one-stop subscription, network-wide availability, and one-site innovation, network-wide replication'. In addition, this solution adopts multiple technological innovations, such as the kite-like PNI-NPN solution, the rock-solid reliability solution, edge-cloud synergy, free mobility solution, and DevOps-based agile development and O&M, which together empower companies in diverse industries for their business success.

Building on its successes in the ICT field, Huawei will continue to work with industry partners to further develop innovative 5G technologies that can help unleash the full potential of 5G networks, make networks simpler and O&M more efficient, and accelerate digital transformation of various industries.

[Editorial queries for this story should be sent to newswire@enpublishing.co.uk]

Document ENPNEW0020211012ehac0003k

VPLS announces expansion to capacity of San Jose data center

474 words
1 October 2021
01:00
MarketLine News and Comment
DTMNTR
English

VPLS has expanded bare metal capacity in San Jose facility to meet growing demand for **connectivity** to key global markets.

The SV7 expansion was driven by demand for VPLS's bare metal servers brand,Krypt.com, which offers direct connections with a capacity of over 200 Gbps to China Telecom, China Unicom, and China Mobile International.

Located in the heart of Silicon Valley, the facility offers colocation, managed services, private and hybrid cloud, dedicated hosting, and network and security services to fast-growing start-ups and enterprises in Silicon Valley and the greater Bay Area. The additional capacity in the San Jose data center was achieved through an upgrade of the cooling systems, which unlocked an additional 250 KW of IT load. Replacing the aging mechanical equipment also benefitted the facility by lowering the site's overall PUE from 2.1 to 1.35 on an annualized basis.

VPLS currently has over 600 servers in the San Jose data center with an additional 400 servers to be added over the next quarter, bringing the total number of servers in its network to over 10,000 and over 90,000 VPS under management. The IP network capacity at SV7 has also increased from 205 Gbps to more than 415 Gbps of dedicated capacity. The additional bandwidth at SV7 is a key advantage for companies looking for increased connectivity: SV7 offers direct fiber link to major carrier hotels in Silicon Valley with over 200 Gbps of peering capacity, as well as direct connections to key carriers in China, resulting in the lowest latency to Asia from the continental US.

"Krypt.com from VPLS is an increasingly popular choice for companies looking for flexible and reliable bare metal or cloud servers. Our team has been able to meet this growing demand by quickly expanding capacity at our most strategic facilities, like SV7, all while controlling the underlying costs. With this expansion, current and prospective customers will benefit from our world-class facilities, portfolio of complementary services, and extended low-latency access to other digital infrastructure options."

Mohamed Arab, VP of Cloud and Managed Services at VPLS

The next stage of expansion for the San Jose facility will be an electrical upgrade of 1.5 MW and a corresponding IT load expansion that will be online in Q4 of 2022. Combined with the data center's myriad of network carriers and partners, the capacity expansion at SV7 provides a robust option for many companies seeking a reliable and flexible interconnection between key global and regional markets. For the past 10 years, the SV7 facility has provided uninterrupted, 100% uptime to customers seeking colocation, managed services, and hosting solutions. SV7 also offers low latency connectivity to major cloud providers such as AWS and Azure.

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Document DTMNTR0020211004eha10001o

VPLS Expands Bare Metal Capacity in San Jose Facility to Meet Growing Demand for Connectivity to Key Global Markets

506 words
1 October 2021
Ma'an News Agency
MANEWS
English

(PRWeb) - VPLS, a **cloud**-to-edge computing and solutions provider, announces today a significant expansion to the capacity of its San Jose data center (SV7). The SV7 expansion was driven by demand for VPLSs bare metal servers brand, Krypt.com, which offers direct connections with a capacity of over 200 Gbps to China Telecom, China Unicom, and China Mobile International.

Located in the heart of Silicon Valley, the facility offers colocation, managed services, private and hybrid **cloud**, dedicated hosting, and network and security services to fast-growing start-ups and enterprises in Silicon Valley and the greater Bay Area. The additional capacity in the San Jose data center was achieved through an upgrade of the cooling systems, which unlocked an additional 250 KW of IT load. Replacing the aging mechanical equipment also benefitted the facility by lowering the sites overall PUE from 2.1 to 1.35 on an annualized basis.

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Krypt.com from VPLS is an increasingly popular choice for companies looking for flexible and reliable bare metal or cloud servers. Our team has been able to meet this growing demand by quickly expanding capacity at our most strategic facilities, like SV7, all while controlling the underlying costs, says Mohamed Arab, VP of Cloud and Managed Services at VPLS. With this expansion, current and prospective customers will benefit from our world-class facilities, portfolio of complementary services, and extended low-latency access to other digital infrastructure options.

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About VPLS VPLS is your trusted global provider for cloud-to-edge computing and technology services. For more information, please visit http://www.vpls.com.

Document MANEWS00202211001eha1000dy

The Daily Telegraph

Business
Window on the world A [...]

44 words
29 September 2021
The Daily Telegraph
DT
1; National
4
English

Window on the world A woman takes a **virtual reality** bobsleigh ride at a booth for telecoms provider China Unicom at the PT Expo in Beijing. The annual event showcases Chinese and overseas companies in the communications industry.

Document DT00000020210929eh9t0000c

DOW JONES NEWSWIRES

Chinese Telcos' 2H Equipment Spending Likely to Rise in 2H -- Market Talk

147 words
21 September 2021
09:50
Dow Jones Newswires Chinese (English)
RTNW
English

0735 GMT - Chinese telecom operators' equipment and **investment** spending in 2H will likely increase from 1H, Citi says. Aggregate capital expenditure of the country's three major telcos--China Mobile, China Telecom, and China Unicom--in 1H was CNY127 billion, which only accounts for 37.4% of their full-year capex target, Citi points out, adding new base station construction progress in 1H is also below 50% of annual guidance. This means telcos would likely accelerate spending and procurement in 2H to meet their full-year targets, which could benefit telecom equipment suppliers. Citi prefers the Shenzhen-listed Zhongji Innolight , a leading optical module supplier that could capture demand from both the telcos' 5G and data center investments. (yifan.wang@dowjones.com)

(Delayed by 1 hour)

(END) Dow Jones Newswires

21-09-21 0850GMT

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DOW JONES NEWSWIRES

Chinese Telcos' 2H Equipment Spending Likely to Rise in 2H -- Market Talk

143 words
21 September 2021
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Dow Jones Newswires Chinese (English)
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(END) Dow Jones Newswires

21-09-21 0750GMT

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DOW JONES NEWSWIRES

Chinese Telcos' 2H Equipment Spending Likely to Rise -- Market Talk

146 words
21 September 2021
08:35
Dow Jones Institutional News
DJDN
English

0735 GMT - Chinese telecom operators' equipment and **investment** spending in 2H will likely increase from 1H, Citi says. Aggregate capital expenditure of the country's three major telcos--China Mobile, China Telecom, and China Unicom--in 1H was CNY127 billion, which only accounts for 37.4% of their full-year capex target, Citi points out, adding new base station construction progress in 1H is also below 50% of annual guidance. This means telcos would likely accelerate spending and procurement in 2H to meet their full-year targets, which could benefit telecom equipment suppliers. Citi prefers the Shenzhen-listed Zhongji Innolight , a leading optical module supplier that could capture demand from both the telcos' 5G and data center investments. (yifan.wang@dowjones.com)

(END) Dow Jones Newswires

September 21, 2021 03:35 ET (07:35 GMT)

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telecompaper

Camtel plans to woo potential telecom investors in Brazil

222 words
1 September 2021
Telecompaper Americas
TELAM
English

Cameroon Telecommunications (Camtel) is preparing to visit Brazil to market the country's technical capacity and favourable conditions for **investment** in its telecoms **infrastructure**, ITWeb reported. Ambassador for Brazil to Cameroon Vivian Loss Sanmartin praised Camtel's South Atlantic Inter Link (SAIL) submarine fibre cable as critical **infrastructure** of strategic importance. He said the 6,000km direct cable system from Kribi in Cameroon to Fortaleza in Brazil could invigorate and deepen economic and commercial transactions between the two countries and continents.

SAIL is an **investment** of Camtel with its partner China Unicom. The cable was deployed in 2018 and was designed to be a fast and direct path, utilising 100G transmission technology to deliver a design capacity of 32 Tbps, through a four-fibre pair configuration. The SAIL landing station in Cameroon also connects to the MainOne landing station in Lagos-Nigeria through the Nigeria-Cameroon Submarine Cable System (NCSCS).

Sanmartin said with the SAIL cable, communication can be made in a direct manner without passing through Europe or the US, improving speed and quality of transmission at a lower cost. He added that with SAIL, Cameroon has an essential tool eventually to become a telecommunications hub between South America and Central Africa, and that the cable would definitely attract Brazilian telecommunications investors.

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telecompaper

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222 words
1 September 2021
Telecompaper Africa
TELAFR
English

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Document TELAFR0020210901eh910005l

ZTE secures IPRAN centralized procurement from China Unicom

379 words
31 August 2021
ENP Newswire
ENPNEW
English

Release date - 30082021

ZTE Corporation (0763.HK / 000063.SZ), a major international provider of telecommunications, enterprise and consumer technology solutions for the mobile internet, today announced that it has won the bid of the centralized procurement of IPRAN products from China Unicom, by virtue of its multiservice packet **platform** ZXCTN 9000-EA series and 5G transport intelligent access product ZXCTN 6000 series.

This is the largest centralized procurement of China Unicom, involving IPRAN1.0, IPRAN2.0 and CPE equipment, following its large-scale construction of intelligent MAN in 2020.

The equipment will help China Unicom give full play to the multiservice transport capabilities of its intelligent MAN, and boost the construction of the new-generation cloud-network convergence. By simplifying the network protocols and optimizing the traffic grooming, the equipment can improve the user experience and accelerate the growth of digital economy.

ZTE deeply participates in China Unicom's intelligent MAN construction at core, aggregation, and access layers. At the core and aggregation layers, ZTE offers the multiservice packet platform ZXCTN 9000-EA series to carry the core services of the intelligent MAN. The ZXCTN 9000-EA series, adopting the industry's most advanced distributed large-capacity non-blocking switching architecture, has rich service features to transport the services in mobile backhaul, Metro-E and FMC scenarios, and reduce CAPEX and OPEX effectively.

At the access layer, ZTE's 6000 series can access 5G backhaul services in the intelligent MAN and allow compatibility with 2G/3G/LTE/residential/enterprise services. Based on in-house chipsets, the 6000 series integrates innovative technologies of FlexE, SDN, SR, network slicing, and high-precision clock to efficiently transmit services in 5G eMBB, URLLC and mMTC scenarios. Also, the 6000 series can facilitate to build on-demand networks to satisfy the requirements of NSA/SA, enterprise and residential broadband services.

To date, ZTE, as China Unicom's important strategic partner in the 5G era, has assisted China Unicom in solidifying the foundation for the large-scale construction of 5G networks. Moving forward, ZTE will, as always, team up with China Unicom in 5G construction, to embrace opportunities and challenges in the 5G era together.

[Editorial queries for this story should be sent to newswire@enpublishing.co.uk]

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ZTE secures centralized procurement of IPRAN products from China Unicom

222 words
30 August 2021
Telecompaper Asia
TELASI
English

ZTE has announced it has won the bid of the centralized procurement of IPRAN products from China Unicom. The contract includes ZTE's multiservice packet **platform** ZXCTN 9000-EA series and its 5G transport intelligent access product ZXCTN 6000 series.

ZTE also says this is the largest centralized procurement of China Unicom, involving IPRAN1.0, IPRAN2.0 and CPE equipment, following its large-scale construction of intelligent MAN in 2020.

The equipment is designed to help China Unicom give full play to the multiservice transport capabilities of its intelligent MAN, and power up the deployment of cloud-network convergence.

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Document TELASI0020210830eh8u0002u

China Unicom voted "Asia's No. 1 Most Honored Telecom Company" for Sixth Consecutive Year

China Unicom (Hong Kong) Limited; PR Newswire
419 words
24 August 2021
02:00
PR Newswire Asia
PRNASI
English

HONG KONG, Aug. 24, 2021 /PRNewswire/ -- China Unicom (Hong Kong) Limited ("China Unicom" or "the Company") (HKEx: 0762) was voted six years in a row by portfolio managers and analysts as "Asia's No.1 Most Honored Telecom Company" in "2021 All-Asia Executive Team" ranking organised by Institutional Investor, a distinguished media with highly-respected proprietary benchmark research and rankings related to **investment** community. Meanwhile, Mr. Wang Xiaochu, Chairman and CEO of the Company, was named again as "Asia's Best CEO (Telecoms) – 1st". It was kindly remarked by Institutional Investor: "Since we first published this ranking in 2011, Mr. Wang has been rated the sector's top chief executive by global investors and analysts for 11 consecutive years. This is an honor that no other Asian CEO has ever achieved and is a true reflection of Mr. Wang's effective leadership and outstanding contribution to the telecommunication industry."

https://mma.prnewswire.com/media/1599681/China_Unicom_voted_Asia_No1_Most_Honored_Telecom_Company_for_Sixth_Consecutive_Year.jpg

The excellent recognitions mark the endorsement by professional investors and investment analysts of China Unicom's continuous enhancement in strategy execution and leading performance in corporate governance in Asia. In particular, the Company fully implemented the new development philosophy and deepened the execution of the "Focus, Innovation and Cooperation" strategy. It consistently pushed forward comprehensive digital transformation, deepened "mixed-ownership reform" and network "co-build and co-share", fully endeavoring to achieve high-quality development. China Unicom would like to sincerely thank its investors and the investment community for their kind support and the great vote of confidence.

Institutional Investor's "2021 All-Asia Executive Team" ranking reflected the opinions from 4,084 global investment professionals. Institutional Investor's confidential and unprompted voting gathers data from investors and analysts to determine rankings in Most Honored Companies among the Asian companies they cover, and to evaluate these businesses on selected investor relations and corporate governance attributes. In 2021, 1,438 companies across 18 sectors were nominated in the ranking.

SOURCE China Unicom (Hong Kong) Limited

https://rt.prnewswire.com/rt.gif?NewsItemId=AE83037&Transmission_Id=202108232100PR_NEWS_ASPR__AE83037&DateId=20210823

China Unicom (Hong Kong) Limited - Mr. Ivan Wong, (852) 2121 3210, ivanw@chinaunicom.com.hk; Ms. Joeling Law, (852) 2121 3225, joeling.law@chinaunicom.com.hk; Mr. Billy Tang, (852) 2121 3275, billy@chinaunicom.com.hk

Document PRNASI0020210824eh8o0005o

Company
China Telecom surges 35 percent in Shanghai debut

Zhu Shenshen
250 words
20 August 2021
07:52
Shanghai Daily Online
SHNDOL
English

China Telecom surged almost 35 percent on Friday in its debut on the Shanghai stock market, bringing its market value close to 558 billion yuan (US$87.1 billion). The carrier, one of Chinas three biggest, raised 54.1 billion yuan in its initial public offering, the biggest IPO in a decade in the domestic capital market. The listing occurred several months after the company was delisted in the United States.China Telecom closed at 6.11 yuan, 34.9 percent above opening price. Also on Friday, China Telecom signed a strategic cooperation agreement with the Shanghai government covering areas such as 5G and smart city. China Telecom, China Mobile and China Unicom will all be listed on the Chinese market this year after being delisted from United States markets. They are all currently listed in Hong Kong.Through the IPO, China Telecom plans to finance a 5G industrial Internet project, expand its **cloud** business and make other innovations, the company said.

China Mobile has also applied to list on the Chinese mainland. In May, the three carriers were asked by US authorities to delist from the American market. China Telecoms domestic pivot is designed to neutralize the impact of that delisting.Many of Chinas biggest tech and telecom firms listed their shares on US stock markets in the early 2000s as they sought access to more funding, but since then the political tide has turned.

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Document SHNDOL0020210821eh8k0000m

Chinese telecom operators cut back 5G network construction

987 words
20 August 2021
Khaleej Times
KHALEJ
English

Spending on 5G networks and other **infrastructure** by Chinese telecommunications companies dropped 25% in the first half of the year, a period they had previously identified as a peak time for building out their new high-speed systems.

The drop reflects a combination of microchip shortages that have affected equipment availability and efforts by the carriers to cut costs by sharing **infrastructure**.

In announcing its half-year results on Thursday, China Unicom indicated that its capital investments fell 45% from a year before to 14.28 billion yuan ($2.2 billion). In comments to reporters, Chairman Wang Xiaochu referred to the company's infrastructure sharing arrangement with peer China Telecom which he said has "gained plenty of achievement."

The new figure brought the combined capital expenditure for China's trio of state-owned national operators -- Unicom, China Telecom and China Mobile -- and China Tower, their infrastructure joint venture, to 137.65 billion yuan for the first six months of 2021.

This compares with 184.23 billion yuan in the same period last year, when COVID lockdowns disrupted construction, and 151.13 billion yuan for the comparable part of 2019, before the main phase of 5G network construction.

The "co-build, co-share" arrangement under which Unicom and China Telecom jointly built and use 5G infrastructure has saved the pair more than 86 billion yuan since 2019, China Telecom Chairman Ke Ruiwen said last week.

The duo have extended their arrangement into sharing existing 4G networks too, which has saved them more than 24 billion yuan. "The dividend of 'co-build, co-share' is indeed expanding," Ke said.

China Telecom's lowered spending was also partly the results of the global shortage of microchips that has affected production of cars and many other items. Executive Vice President Liu Guiqing said the lack of chips had caused delays with delivery of some network equipment, affecting his company's 5G network construction.

"The issue actually existed during the first half," he said.

China Telecom's first-half capital spending fell 37% from 2020 to 27.01 billion yuan. But with supply snags clearing, Liu said the company would maintain its original forecast of 87 billion yuan for full-year spending.

China Mobile has its own infrastructure sharing arrangement with China Broadcasting Network, a unit of a state-owned broadband company licensed last year to enhance competition as the country's fourth 5G carrier. The two telecom companies' cooperation centers on the joint utilization of the 700-megahertz bandwidth, which allows wider signal transmission using fewer base stations.

China Mobile Chairman Yang Jie said last week when presenting the company's financial results that it "will aggressively push forward in 5G network building by reasonably utilizing 700 MHz."

China Tower, the three large operators' joint venture, saw its capital expenditure fall 28% during the first half to 10.36 billion yuan.

Chairman Tong Jilu said last week that the cell-tower builder "was especially keen on the efficient management of capital spending," adding that the sharp decline in spending reflected the "construction speed of the network operators."

At the same event, Chief Accountant Gao Chunlei appeared to hint at a change to the company's annual plan, saying the full-year capital budget would "be controlled within 30 billion yuan." In March, he had said the annual figure would be "around 30 billion yuan."

According to Ministry of Industry and Information Technology figures published last month, the country had 365 million active 5G connections as of June 30, up 166 million from Dec. 31. According to ministry figures reported by state news agency Xinhua, nearly three-quarters of the mobile phones shipped in China in the first half were 5G-equipped.

Savings on capital spending is translating into higher cash flow for the carriers, which in turn are raising their shareholder dividends.

Unicom announced on Thursday that it will pay its first-half year dividend, at a rate of 0.12 yuan per share, and would consider increasing its current dividend payout rate of 40% with its year-end shareholder reward, with Chairman Wang referring to "continuous good control of capital expenditure."

China Telecom had earlier said it would start paying a half-year dividend next year and raise its payout ratio above 70% by 2023 from 40.3% last year. China Mobile has raised its interim dividend 6.5% to 1.63 Hong Kong dollars per share, "after given giving full consideration to its profitability, cash flow generation, and future development need."

The lowered capital spending and higher payouts have boosted analyst and investor enthusiasm for the Chinese telecom companies. By some analysis, construction of 4G networks was more profitable for infrastructure and handset makers than the operators.

Huawei Technologies, China's biggest equipment operator, said two weeks ago that revenues for its carrier network business fell 14.2% in the first half to 136.9 billion yuan, citing delays in domestic 5G network rollout.

Edison Lee, an analyst at Jefferies in Hong Kong, believes his "below-consensus 5G capex forecast is playing out, given 5G co-building and [China Mobile]'s ability to share CBN's 700 MHz spectrum for 5G build out."

"We forecast Chinese telcos' capex will start falling in 2022, even if we do not factor in [China Telecom and China Unicom]'s participation in the 700 MHz 5G co-build," said Lee who has "buy" ratings on all three of the big Chinese carriers.

"We are indeed in the investment peak period, but our spending will not be jumping up," China Mobile's Yang said. "Look at our capex figures, they are not large, it is in a reasonable range."

Indeed, the carrier's annual investment plan is 183.6 billion yuan, only 1.7% higher than last year, and 17% lower than its peak year in 2014 when its 4G build-out was at its height.

Document KHALEJ0020210820eh8k000rt

即市頭條- Latest News
HSBC Global Research Trims CHINA UNICOM (00762.HK) TP to $4.8; Rated Hold

86 words
20 August 2021
AAStocks Financial News
AASFNE
English

CHINA UNICOM (00762.HK)'s 1H21 net profit burgeoned 21% YoY given flattish YoY EBITDA amid higher **investment** costs for new businesses. HSBC Global Research rated the stock at Hold, with target trimmed from $4.9 to $4.8.

The telco's mobile business growth recovered by 7.3% in 1H21 from a flat YoY growth in 2020.

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AAStocks Financial News

Web Site: www.aastocks.com

Document AASFNE0020210820eh8k004ed

DOW JONES NEWSWIRES

China Unicom Could Benefit From Faster 5G Adoption -- Market Talk

135 words
17 August 2021
04:59
Dow Jones Newswires Chinese (English)
RTNW
English

0346 GMT - China Unicom could benefit from the quick pace of its 5G network rollout and lack of competition from its other telco peers, Citi says, upgrading the stock to buy from neutral and raising target price to HK$5.80 from HK$4.45. Citi expects China Unicom to beat market expectations when it reports its interim FY 2021 results Thursday. Given the current pace of China Unicom's 5G rollout, Citi expects the take-up rate for 5G services to accelerate in 2H. The Chinese government's **infrastructure** and digitalization push is also expected to support the telco's revenue growth, it adds. Shares are 1.6% higher at HK$4.44.
(yiwei.wong@wsj.com)

(END) Dow Jones Newswires

17-08-21 0359GMT

Document RTNW000020210817eh8h00035

DOW JONES NEWSWIRES

China Unicom Could Benefit From Faster 5G Adoption -- Market Talk

140 words
17 August 2021
04:46
Dow Jones Institutional News
DJDN
English

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(END) Dow Jones Newswires

August 16, 2021 23:46 ET (03:46 GMT)

Document DJDN000020210817eh8h0002m

Company
China Telecom aims to raise US$8.5 billion in China market IPO

Zhu Shenshen
182 words
6 August 2021
12:09
Shanghai Daily Online
SHNDOL
English

China Telecom is set to raise up to 54.2 billion yuan (US$8.5 billion) as one of the biggest IPOs in China this year after setting its initial public offering price on Friday. The carrier set its IPO price at 4.53 yuan and plans to take online subscriptions on the Shanghai Stock Market on Monday, it said. China Telecom, China Mobile and China Unicom will be listed on the Chinese market this year after they were delisted from United States markets. They are all currently listed in Hong Kong.Through the IPO, China Telecom plans to finance a 5G industrial Internet project, **cloud** business expansion and other innovations, the company said.China Mobile has applied to list on the Chinese mainland and may be the biggest domestic IPO in the recent years.In May, the three carriers were asked by US authorities to delist from the American market. China Telecoms domestic pivot is to neutralize the impact of that delisting.

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Document SHNDOL0020210807eh860000a

Mobile IoT connections up 12% to reach over 1.7 bln in 2020

268 words
2 August 2021
Telecompaper World
TELWOR
English

The global number of cellular IoT subscribers increased by 12 percent during 2020 to reach 1.74 billion, according to a new report from the IoT market research firm Berg Insight. The regional markets Western Europe and North America recorded the highest growth rates at over 15 percent. By 2025, Berg Insight projects that there will be 3.74 billion IoT **devices** connected to cellular networks worldwide.

The top ten mobile operators reported a combined active base of 1.49 billion cellular IoT connections at the end of 2020, accounting for 86 percent of total connections. China Mobile is the world's largest provider of cellular IoT **connectivity** services with an estimated 658 million cellular IoT connections. China Unicom and China Telecom ranked second and third with 240 million and 238 million connections respectively.

Following China Mobile's decision to stop adding new IoT connections to its 2G network in the first half of 2020, it has embarked on a programme to migrate 2G users to NB-IoT and 4G LTE Cat-1 services.

Vodafone ranked first among the Western operators and fourth overall with 118 million connections, followed by AT&T with 81 million in fifth place. Verizon, Deutsche Telekom and Telefonica had in the range 26-48 million cellular IoT connections. Orange and Telenor were the last players in the top ten with about 18 million and 17 million connections respectively. Apart from Deutsche Telekom, year-on-year growth rates for the mentioned Western operators were in the range of 8-22 percent.

Document TELWOR0020210802eh820008g

即市頭條- Latest News
China Unicom Hebei, Huawei Set Up 'F5G Joint Innovation Hub'

65 words
19 July 2021
AAStocks Financial News
AASFNE
English

China Unicom's Hebei branch and Huawei had recently held an unveiling ceremony of their Fifth Generation Fixed Network (F5G) Joint Innovation Center. The technology will provide both household and industrial users with gigabit broadband **connectivity** to promote digital transformation across industries.

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AAStocks Financial News

Web Site: www.aastocks.com

Document AASFNE0020210719eh7j004bl

Huawei, China Unicom deploy outdoor OptiX SuperSite service for commercial use

377 words
15 July 2021
Telecompaper Asia
TELASI
English

The Qinghai branch of China Unicom (Qinghai Unicom) and Huawei have jointly completed the deployment of an outdoor OptiX SuperSite service for commercial use. This service uses existing wireless site resources and integrates site OLT **devices** and OTN **devices** to build all-optical integrated service access sites.

It also enables the provisioning of gigabit fiber broadband for home users and provides premium OTN private lines for enterprises, implementing unified bearing of individual, home, and enterprise services within several kilometers and offering an information entry to construct digital villages, Huawei said.

This year, China has started to fully implement digital village construction and development projects and drive the construction of gigabit optical networks, 5G, and mobile IoT in rural areas along with planning and construction in urban areas. As a state-owned enterprise, Qinghai Unicom promotes the deployment of information infrastructure for gigabit optical networks and provides gigabit optical network services for people of all ethnic groups in Qinghai.

In addition, Qinghai Unicom aims to enhance the coverage of integrated service access sites by using Huawei's outdoor OptiX SuperSite service based on the network characteristics in Qinghai province.

The outdoor OptiX SuperSite service features heat dissipation and low power consumption technologies. By integrating optical access devices and OTN devices in a small outdoor cabinet, this service is designed to power outdoor installation, as well as deployment and provisioning of gigabit broadband and premium OTN private lines.

Huawei also reports that the network deployment duration is reduced from 46 days to 15 hours. Moreover, digital QuickODN pre-connection technology is integrated to complete network construction within 2 days without fiber splicing. Resources at wireless pole-mounted sites can be reused, and no site space expansion is required. The service uses OTNs with ultra-long single spans (more than 100 km), and supports OTN upstream wavelength isolation and achieves one-hop connection to core sites, to simplify network aggregation layers and shorten transmission latency to 1 ms.

An OptiX SuperSite implements unified bearing of home broadband, premium OTN private line, and 5G services within a few kilometers, realizing one-stop integrated access. This service also uses WDM technology in the upstream direction to support service expansion by adding boards, Huawei added.

Document TELASI0020210715eh7f0005l

Deutsche Telekom, China Unicom, Orange, China Mobile, and Vodafone Ranked Network Operator Leaders Providing Enterprise 5G Connectivity; ABI Research releases its Mobile Network Operators' Enterprise 5G Offerings competitive ranking report

902 words
9 July 2021
M2 Presswire
MTPW
English

LONDON, UNITED KINGDOM - A recent competitive assessment by tech market advisory firm ABI Research compares and ranks 20 mobile network operators and their enterprise 5G offerings based on an extensive set of criteria to assess both innovation and implementation capabilities. While Deutsche Telekom, China Unicom, Orange, China Mobile, and Vodafone are clear leaders in this space, the full scope of the assessment consists of the following operators from different geographical regions:

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Deutsche Telekom came out as the overall leader because it offers the most diversified product portfolio, supporting four different deployment models to cater to very heterogeneous enterprise requirements and provide flexible pricing models. Close runners-up are China Mobile, Orange, and Vodafone. China Mobile is recognized particularly for its involvement in a number of network slicing trials and its contribution to enterprise-specific standardization work. Orange is particularly notable for its several ecosystem partnerships with a range of different players. Vodafone scored particularly high as it works toward developing a complete digitization platform in attractive business models, which are particularly easy to deploy.

"Our assessment clearly identifies key aspects that network operators should consider to realize their enterprise 5G ambitions," says Leo Gergs, Senior Analyst for Telco Enterprise Strategies and Private Networks at ABI Research. "At the heart of this, carriers need to understand that enterprises do not see value in deploying 5G connectivity as such, but in the applications, it will enable. Therefore, network operators need to integrate cellular connectivity into a much wider technology platform, including Artificial Intelligence and data storage and device management capabilities. To be able to offer this in an attractive pricing structure, it is imperative that network operators depart from a connectivity-focused business model and fully embrace either a Network-as-a-Service or Platform-as-a-Service model."

To assess operators' innovation and implementation capabilities, a total of 12 criteria were used, including the customizability of the offering, and the number of supported deployment models. Scalability and modularity evaluated whether and how 5G connectivity is included in a comprehensive end-to-end digitization platform. To assess the flexibility of business models, the number of monetizable services was considered, while the total of joint-innovation labs determined ecosystem influence. To assess standardization and technology contributions, the competitive ranking evaluated the number of network slicing trials per operator and contributions to 3GPPs Working Group SA6 (responsible for mission-critical applications).

To benchmark implementation capabilities, the ranking considers each operator's regional reach, the targeted enterprise verticals, ease of implementation, number of ecosystem partnerships, early 5G enterprise deployments, and the existence of enterprise LTE offerings.

"This assessment serves as a critical call to action to mobile network operators around the globe. For the operators considered in this assessment, it highlights critical aspects that need to be refined in their enterprise strategy. For remaining operators, it should act as a wake-up call to get their enterprise offerings in place sooner rather than later," says Gergs. "Enterprises are still waiting for the 5G enabled capabilities that were promised to them more than 2 years ago. This disappointment makes them consider non-cellular technology alternatives. Carriers must therefore understand that the window of opportunity is closing for CSPs to gain traction in the enterprise 5G world," Gergs concludes.

These findings are from ABI Research's Mobile Network Operators' Enterprise 5G Offerings competitive ranking report. This research is part of the company's 5G Markets research service, which includes research, data, and analyst insights. Based on extensive primary interviews, Competitive Ranking reports offer

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ABI Research -Deutsche Telekom, China Unicom, Orange, China Mobile, and Vodafone Ranked Network Operator Leaders Providing Enterprise 5G Connectivity

746 words
9 July 2021
ENP Newswire
ENPNEW
English

Release date - 08072021

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Deutsche Telekom, China Unicom, Orange, China Mobile, and Vodafone Ranked Network Operator Leaders Providing Enterprise 5G Connectivity

ABI Research; PR Newswire
829 words
8 July 2021
09:00
PR Newswire Asia
PRNASI
English

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Document PRNASI0020210708eh78001me

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ABI Research; PR Newswire
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"This assessment serves as a critical call to action to mobile network operators around the globe. For the operators considered in this assessment, it highlights critical aspects that need to be refined in their enterprise strategy. For remaining operators, it should act as a wake-up call to get their enterprise offerings in place sooner rather than later," says Gergs. "Enterprises are still waiting for the 5G enabled capabilities that were promised to them more than 2 years ago. This disappointment makes them consider non-cellular technology alternatives. Carriers must therefore understand that the window of opportunity is closing for CSPs to gain traction in the enterprise 5G world," Gergs concludes.

These findings are from ABI Research's Mobile Network Operators' Enterprise 5G Offerings competitive ranking report. This research is part of the company's 5G Markets research service, which includes research, data, and analyst insights. Based on extensive primary interviews, Competitive Ranking reports offer comprehensive analysis of implementation and innovation strategies, to offer unparalleled insight into a company's performance and standing in comparison to its competitors.

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即市頭條- Latest News
JD Cloud, China Unicom Online Strike Strategic Tie-up for Digital, Infrastructure Buildout

79 words
7 July 2021
AAStocks Financial News
AASFNE
English

JD-SW (09618.HK)'s JD Cloud announced the strategic partnership with China Unicom Online Information Technology.

Pursuant to which, both sides will team up for network infrastructure construction, video cloud technology and dissemination, digital innovation and application as well as other fields, aiming to explore a "5G+Industry" business mode.

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AAStocks Financial News

Web Site: www.aastocks.com

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DOW JONES NEWSWIRES

China Unicom's Revenue Likely Supported by 5G and Industry Internet Businesses --

132 words
6 July 2021
05:02
Dow Jones Newswires Chinese (English)
RTNW
English

0342 GMT - China Unicom's 2021 revenue growth is likely to be supported by strong contributions from its 5G and industry internet businesses, thanks to the Chinese government's push to boost digital **infrastructure**, Citi Research says. The telecommunications company's target for its industry internet revenue to grow over 20% annually in the next three years also appears achievable, as more Chinese enterprises continue to digitize, Citi notes. China Unicom is also assessing the possibility of spinning-off subsidiaries related to its industry internet business, it adds. Citi maintains a neutral rating and a HK$4.45 target price. Shares are 0.2% lower at HK$4.18. (justina.lee@wsj.com)

(END) Dow Jones Newswires

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DOW JONES NEWSWIRES

China Unicom's Revenue Likely Supported by 5G and Industry Internet Businesses -- Market Talk

139 words
6 July 2021
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Dow Jones Institutional News
DJDN
English

0342 GMT - China Unicom's 2021 revenue growth is likely to be supported by strong contributions from its 5G and industry internet businesses, thanks to the Chinese government's push to boost digital **infrastructure**, Citi Research says. The telecommunications company's target for its industry internet revenue to grow over 20% annually in the next three years also appears achievable, as more Chinese enterprises continue to digitize, Citi notes. China Unicom is also assessing the possibility of spinning-off subsidiaries related to its industry internet business, it adds. Citi maintains a neutral rating and a HK$4.45 target price. Shares are 0.2% lower at HK$4.18. (justina.lee@wsj.com)

(END) Dow Jones Newswires

July 05, 2021 23:42 ET (03:42 GMT)

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Huawei RuralStar Pro solution wins "Best Mobile Innovation in Emerging Markets" award of GSMA GLOMO

576 words
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MarketLine News and Comment
DTMNTR
English

At the MWC 2021, Huawei RuralStar Pro solution has won the "Best Mobile Innovation in Emerging Markets" award of GSMA GLOMO, confirming that Huawei's contribution to the digital lives of those in emerging markets is highly recognized by the industry.

Huawei has developed a series of innovative mobile communication solutions for Cremote regions to address the low **infrastructure** level, the lack of stable energy supply and transmission, and the low installation and maintenance efficiency in some emerging markets. In 2021, Huawei launched the industry's first integrated access and backhaul solution — RuralStar Pro — achieving the highest integration (RF/baseband/backhaul integration) and effectively replacing traditional costly transmission modes of optical fiber, microwave, and satellite. In addition, Huawei's smart PV solution has achieved pure green energy (no mains or no diesel generator).

In January 2021, China Unicom successfully deployed the simplified rural coverage solution RuralStar Pro in Maopo village, Guizhou province. Device installation and commissioning take only two hours, which is over 80% faster than the traditional site deployment. China Unicom engineers remarked, "This is the fastest I have ever deployed a site in over 10 years." Thanks to RuralStar Pro, the days when villagers had to climb upon a hill to find decent mobile reception are history. Now the village is looking forward to a future of prosperity with better telecommunications infrastructure.

Thousands of RuralStar base stations have been deployed worldwide to provide MBB and voice services, bridging the digital divide for rural areas. Amid the COVID-19 pandemic, network coverage in remote areas ensured that online classes were available to all students in all villages, and that latest news and relief information was circulated to facilitate medical services in rural clinics, effectively avoiding large-scale transmission of the virus. In addition, farmers have access to the latest information about the produce market, and can lift themselves out of poverty through online sales. In Africa, mobile financial access is provided for those not covered by traditional banks, allowing for contactless transactions, helping governments quickly grant relief subsidies to those in need, and raising donations for disaster relief. Together, these changes are leading the world towards the sustainable development goals proposed by the United Nations (e.g., "infrastructure industry", "promoting equality", "health care", "high-quality education", and "clean energy").

Looking into the future, Huawei will remain committed to enriching people's digital lives and continue to invest in innovative solutions to connect the world. David Guo, President of Huawei Wireless Network Site Product Line, said, "To date, Huawei RuralStar family solutions have been commercially deployed at over 20,000 sites in more than 60 countries across Asia, Africa, Latin America, and Middle East. RuralStar Pro is the latest product of Huawei's continuous investment in this field, which extends over many years. It features high integration, fast deployment, and easy maintenance, and will accelerate the popularization of rural network coverage and bring digital life to every corner of the world."

The Global Mobile (GLOMO) Award was set up in 1996 by the GSMA, an authoritative organization in the mobile communications industry, and is deemed as the highest honor within the mobile industry. The awards cover such categories as mobile technology, Internet consumption, industry X, and Tech4Good. The awards are collectively judged by a panel of more than 250 global analysts, media, and experts.

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Mobile Industry Leaders Commit to Support 5G mmWave Globally

4,071 words
30 June 2021
PCQuest
CMPCQU
English

Today a contingent of mobile communications companies announced their collective support for 5G mmWave technology globally – including key players from a growing number of regions including China, Europe, India, Japan, Korea, North America and South East Asia. The industry leaders aim to build on the existing momentum behind 5G mmWave, which allows them to address the significant increases in user data demand, and to expand the role of the mobile **ecosystem** in supporting economic development across many industries.

Major global mobile industry leaders advancing current 5G mmWave momentum include Airtel, AT&T, Casa Systems, China Unicom, Chunghwa Telecom, Deutsche Telekom, Electronics Telecommunications Research Institute (ETRI), Elisa, Ericsson, Fastweb, Fibocom, Gongjing Electronic, HMD Global, HONOR, Infomark Co., Ltd, Innowireless Co., Ltd., KDDI CORPORATION, Kyocera, MeiG, Motorola, NBN Co, Nokia, NTT DOCOMO, OPPO, Optus, Orange, Partron Co., Ltd., Quectel, Rakuten Mobile, Samsung Electronics, Singtel, SoftBank Corp, Sunsea AIoT, TCL Communication, Telia Finland, Telstra, TIM, True Corporation Plc., UScellular, vivo, Vodafone, Xiaomi, and ZTE. These companies collaborate with Qualcomm Technologies, Inc. to drive the availability of 5G mmWave networks and devices.

“The global deployment of 5G mmWave is now inevitable. It is essential to achieve the full potential of 5G and those embracing 5G mmWave will find themselves with a competitive advantage,” said Cristiano Amon, president and chief executive officer-elect, Qualcomm Incorporated. “Support from companies across the ecosystem further demonstrates the global scale and maturity of 5G mmWave. We are proud of our industry leadership in the development, standardization and commercialization of 5G mmWave and honored to work with major mobile industry leaders to accelerate its deployment worldwide.”

5G mmWave uses abundant spectrum resources in frequencies above 24 GHz to complement sub-6 GHz rollouts and unleash the full potential of 5G. The technology allows leading operators to add massive capacity to cellular networks, enabling them to deliver multi-gigabit wireless speeds and low latency connectivity. These capabilities can help mobile operators to address everyday subscriber expectations for fast and responsive connectivity, and to expand 5G into new opportunities such as fixed wireless, enterprise (offices, campuses), and vertical applications and services, such as Ultra HD video security, and precise remote guidance and control in various scenarios like telemedicine, smart factories, and smart ports.

Several mobile industry leaders shared the following thoughts on 5G mmWave:

Airtel

“The mmWave band is emerging as important element of the 5G ecosystem as it offers tremendous potential for use cases such as Fixed Wireless Access that can bridge the urban-rural broadband divide in economies like India,” said Randeep Sekhon, chief technology officer, Bharti Airtel. “Airtel has been allotted mmWave spectrum in the 28 GHz band by the Government of India for the purpose of 5G trials and is already preparing relevant use cases. We are pleased to note the global momentum on mmWave deployments and look forward to working with Qualcomm Technologies and other stakeholders to accelerate the development these technologies.”

AT&T

“AT&T is using mmWave 5G to bring super-fast speeds and enhanced connectivity to high-traffic venues such as stadiums, arenas, airports, entertainment districts and campuses,’ said Jeff Howard, vice president, mobile device portfolio, AT&T. “Currently, AT&T 5G+, our name for mmWave 5G, is available in parts of 38 cities and in more than 20 venues across the country. By the end of 2021, AT&T expects 5G+ will be available in parts of more than 40 cities and to more than 40 venues across the country.”

Casa Systems

“As a disruptive new technology, 5G mmWave delivers transformative service opportunities and user experiences beyond what is possible with traditional wireless networks,” said Steve Collins, senior vice president, access devices, Casa Systems. “This technology has reached a stage of maturity where both performance and implementation are ready for mass adoption. Casa Systems is proud to collaborate with Qualcomm Technologies to offer truly disruptive broadband connectivity to service providers worldwide.”

China Unicom

China Unicom is committed to advancing the maturity of 5G technology and fostering 5G ecosystem. During the MWC Shanghai 2021, China Unicom worked with dozens of leading companies such as Qualcomm Technologies, ZTE Corporation and GSMA to showcase extreme performance and rich applications enabled by 5G mmWave. In May 2021, China Unicom, the IMT-2020 (5G) Promotion Group, ZTE Corporation, Qualcomm Technologies, and TVU Networks achieved the world’s first DSUUU frame structure-based 5G mmWave 8K video upstreaming demonstration through lab testing. This demonstration verified the superior uplink capability of 5G mmWave frequencies, which attaches great importance for meeting the needs of massive bandwidth in a plethora of future 5G vertical applications. As an important component of 5G, mmWave has advantages of high bandwidth, massive capacity and low latency to effectively satisfy the connectivity demands across verticals including ensuring network services in large competitions and events as well as addressing use cases in smart factory, smart campus and smart port. As the official partner of the Winter Olympic Games Beijing 2022, China Unicom is deploying 5G facilities in and around the Olympic venues and will provide high-quality 5G commercial services with a set of leading 5G technologies, to further promote the Olympic concept of higher, faster and stronger, and to present a wonderful and extraordinary high-tech Olympic event to the world.

Chunghwa Telecom

“In Dec. 2020, we have cooperated with Qualcomm Technologies to unveil the world’s first smart factory powered by a private 5G mmWave network at ASE Group in Taiwan,” said Dr. Rong-Shy Lin, senior executive vice president and chief technology officer, Chunghwa Telecom. “We expect that based on the high-bandwidth and low-latency characteristics of 5G mmWave, it will drive diversity and innovative applications in specific vertical fields.”

Electronics Telecommunications Research Institute (ETRI)

“Qualcomm Technologies and ETRI have been in a strategic collaboration since the CDMA era and have been working together for the development of mmWave 5G small cell,” said Seung Chan Bang, senior vice president, Electronics Telecommunications Research Institute (ETRI). “With 5G mmWave small cell technology, we can provide enhanced wireless experience and the true value of 5G to customers and industries.”

Elisa

“Elisa, together with its technology partners, is constantly seeking technological solutions for our customers to tackle the ever-increasing demand for mobile broadband capacity from consumer and corporate customers, and to enable a broad range of new 5G services,” said Jarno Niemelä, head of mobile access technology, Elisa. “The world needs pioneers in this area, and thanks to Finland's excellent policy around frequencies, the 26 GHz auction took place already in 2020. This has given Elisa the opportunity to start experimenting with millimetre-wave 26 GHz technology, which has made it possible to achieve a huge over-the-air downlink speed of 8 Gbps, as well as to prepare for the new era of 5G service provisioning.”

Ericsson

“We see growing interest in Millimeter Wave as the technology that delivers multi-gigabit speeds and extreme capacity for mobile broadband users,” said Per Narvinger, head of product area networks, Ericsson. “FWA users can also enjoy ‘fiber-like’ experience with Ericsson innovations that we piloted with Qualcomm Technologies and many service providers across the world. Millimeter Wave and 5G enable new creative use cases to explore, such as mixed reality, media, remote healthcare and smart manufacturing. As a leader in mmWave, Ericsson welcomes a wider ecosystem support for this important technology."

Fastweb

“Fastweb is a strong believer in 5G technology as an enabler of ultra broadband connectivity and we are proud to be among the first operators in Europe to deploy a commercial UltraFWA network based on a 5G mmWave spectrum,” said Marco Arioli, chief technology officer Fastweb. “We started deploying our network a few months ago and our plan is to cover approximately 12 million households in the next 3 years. 5G mmWave in particular is proving to be disruptive in its capability to provide a valid alternative to FTTH and other UBB wireline technologies.”

Fibocom

“5G mmWave momentum requires a significant amount of efforts from all parts of the ecosystem to roll out. As a global leading provider of wireless communication modules, Fibocom is delighted to work with Qualcomm Technologies to contribute to the popularization of 5G mmWave,” said Lingpeng Ying, CEO of Fibocom. “Powered by the Snapdragon® X65 and X62 5G Modem-RF Systems, Fibocom’s FM160W and FG160W modules steers through this new world of 5G mmWave with massive performance and capacity, delivering 5G high-speed wireless connectivity to meet everyday user expectation.”

Gongjin Electronic

“We are very glad to have a comprehensive cooperation with Qualcomm Technologies in the 5G field,” said Zumin Hu, chief executive officer, Gongjin Electronic. “Gongjin invested in and launched mmWave products earlier, and we are very glad that more and more operators around the world are investing in 5G mmWave construction. Gongjin is very optimistic about the future market prospect of mmWave communication. We will promote the development of 5G industry with Qualcomm Technologies in the future.”

HMD Global

“5G mmWave is a key enabler that helps realizing the full potential of 5G – providing unprecedented speeds and addressing the increase in data demands across smartphones. It offers significant benefits to operators and will allow for the fastest multi-gigabit speeds and low latency connectivity,” said Rosario Casillo, senior director advanced concepts and technologies, HMD Global. “HMD Global continues to invest in 5G mmWave as this transformative technology is set to bring the next-level performance and user experiences beyond what is possible today.”

HONOR

“HONOR is delighted to collaborate with Qualcomm Technologies in research of 5G solutions. Delivering great mobile experiences has always been in HONOR’s DNA, and we recognize the great potential of 5G mmWave technology in many important scenarios,” said Samuel Deng, president of research and development management department, HONOR Device Co., Ltd. “We look forward to working closely with Qualcomm Technologies, operators and other partners to achieve a future filled with endless possibilities.”

Infomark Co., Ltd

“Together with industry leaders, Qualcomm Technologies is advancing the global industry into the 5G mmWave era, providing unprecedented speeds and significant benefits across various industry,” said Hyuk Choi, chief executive officer, Infomark Co., Ltd. “We have high expectations on the 5G era and we plan to lead this industry sector as it is now possible for us to develop an array of mobile devices supported by the cooperation with Qualcomm Technologies.”

Innowireless Co., Ltd

“5G mmWave technology led by Qualcomm Technologies offers the most versatile capabilities and brings significant benefits to our small cell products,’ said Young-soo Kwak, chief executive officer, Innowireless Co., Ltd. “With small cells emerging as one of the most critical solutions in expanding in the 5G mmWave ecosystem, Qualcomm® 5G RAN Platforms will enable Innowireless in delivering high quality 5G coverage for both indoors and outdoors. We will do bring our best efforts to leverage the locally developed high-end quality 5G solution as a new growth engine.”

KDDI CORPORATION

“We commercially launched mmWave service in 2020 and are seeing mmWave as an integral part to our 5G strategy,” said Tatsuo Sato, vice president and managing officer, technology planning, KDDI CORPORATION. “We believe that mmWave unleashes the full potential of 5G for high throughput and capacity and look forward to continue to work with Qualcomm Technologies to further enhance our mmWave service on KDDI’s 5G network to deliver innovative 5G experiences to our customers.”

Kyocera

"Kyocera has a long history of delivering high-quality rugged mobile devices with Qualcomm Technologies’ solutions enabling best in class wireless connectivity to improve mobile productivity for verticals such as public safety, construction, healthcare as well as active outdoor enthusiasts," said Vipul Dalal, divisional vice president, Kyocera International, Inc. "Our new DuraForce Ultra 5G UW ultra-rugged smartphone, with blazing fast 5G mmWave connectivity, provides highly reliable bandwidth with low latency, enhancing user experiences, for new ways to work, engage and play such as multi-access edge computing and augmented reality. mmWave will help deliver on the full promise of 5G now and in the future.”

MeiG

“We are very happy to cooperate with Qualcomm Technologies on 5G technology. More than 150 carriers around the world have investment in mmWave technology. By 2035, mmWave technology will bring economic benefits of USD 565 billion to the world. With ultra-bandwidth, mmWave will create new market for FWA and local network,” said Mr. Du Guobin (Benjamin), chief executive officer, MeiG Smart Technology Co., Ltd. “We are happy to provide a full range of 5G mmWave products, including industrial box, IDU and ODU. They can meet the requirements of mmWave across scenarios for carriers and customers, speed up the development of 5G industry and market, ensure that our customers enjoy MeiG Smart product advantages and give a support to 5G mmWave commercial use.”

Motorola

“5G mmWave is at the heart of realizing the full potential of 5G - providing unprecedented speeds and addressing the increase in data demands across smartphones and other connected computing devices. It has significant benefits to consumers and will allow for the fastest multi-gigabit speeds and low latency connectivity,” said Doug Michau, executive director of NA business development, Motorola. “Motorola continues to invest in 5G mmWave; it is a core part of our roadmap as 5G mmWave is a transformative technology that will deliver the next-level performance and user experiences beyond what is possible today.”

NBN Co

“It’s great to be part of a global technology community that is constantly pushing and searching for new ways to bring the benefits of connectivity to more homes and businesses around the world,' said Ray Owen, chief technology officer, NBN Co. "We were delighted to have set our 7.3 km mmWave world record in January 2021, and we are very pleased to see other operators recently raising the bar to 11.5 km. This growing momentum will help network operators define the most cost-effective, and spectrum-efficient ways to integrate 5G into their evolving network architectures. We look forward to supporting its development as another important technology that will help meet the needs of regional and rural fixed wireless users.”

Nokia

“mmWave spectrum is the fuel for the rocket backpack that makes 5G fly,” said Jan van Tetering, senior vice president, head of Europe, Nokia. “With 5G mmWave, we hold the key to unlocking a new category of user experience in dense urban areas as well as new, value-creating use cases across various industries.”

NTT DOCOMO

“As NTT DOCOMO, we launched 5G services with Sub-6 GHz in March 2020 and started mmWave from September 2020 by utilizing allocated 5G frequencies, both boosting downlink and uplink speeds. Especially its 5G uplink speeds of mmWave will become the key to enhancing enterprise, eSports, and stadium solutions where handling of live uplink data is critical,” said Naoki Tani, executive vice president, chief technology officer, NTT DOCOMO, INC. “NTT DOCOMO will continue aggressive efforts to expand 5G coverage area our area coverage with both Sub-6 GHz and mmWave spectrum bands, further increase speed and capacity, and enhance our network with the introduction of new technologies such as MEC, so that we can provide high-speed, high-capacity, low-latency services to even more customers.”

OPPO

“We are excited to be growing our collaboration with Qualcomm Technologies around R&D and testing of 5G mmWave devices to help realize the full potential of 5G,” said Tony Chen, Founder and CEO, OPPO. “As an early advocate and pioneer of 5G deployment, OPPO will launch its first commercial device supporting mmWave 5G in the near future, further empowering new user experience in the 5G era.”

Partron Co., Ltd

“With the global 5G rollouts in place, Qualcomm Technologies’ 5G technologies is the key enabler for us in developing products that unlocks the true potential of 5G from sub-6GHz to mmWave,” said Jong-Koo Kim, chief executive officer, Partron Co., Ltd. “Partron is developing 5G embedded modules using the Snapdragon 5G modem-RF system to provide flexibility across virtually all deployment types. I’m quite sure that Parton could contribute 5G service expansion including mmWave by adopting Qualcomm Technologies’ most advanced 5G technologies.”

Quectel

“Quectel has been closely collaborating with Qualcomm Technologies and other ecosystem partners to drive 5G IoT innovation. We are excited that our 5G mmWave modules, including the commercial RM510Q-GL module and the next-generation RG530F and RM530N modules powered by the Snapdragon® X65 and X62

5G Modem-RF Systems will help expand 5G technology into more applications," said Patrick Qian, chief executive officer, Quectel. "Offering enhanced features such as multi-gigabit data speeds and ultra-low latency connectivity, Quectel's mmWave modules have supported the commercial deployment of 5G in many vertical sectors including Fixed Wireless Access (FWA), 4K/8K live streaming, robotics, AR/VR gaming and many more."

Rakuten Mobile

“mmWave is an important part of our spectrum portfolio and we are seeing very positive performance on our deployment with low latency and high speeds of 1.77Gbps. Thanks to the cloud-native architecture of our network, this will continue to improve with software enhancements,” said Tareq Amin, representative director, executive vice president and chief technology officer, Rakuten Mobile, Inc. “We are proud to collaborate with Qualcomm Technologies as we expand our mmWave deployment and look forward to providing our customers with an even greater 5G experience.”

Samsung Electronics

"Over the years, Samsung and Qualcomm Technologies have been collaborating to innovate wireless technologies. In 2020, Samsung launched one of the first 5G mmWave indoor small cell - Link Cell - powered by Qualcomm® 5G RAN Platform for small cells, helping wireless operators expand their 5G network capabilities and seamlessly link outdoor and indoor 5G experiences," said Wonil Roh, senior vice president and head of product strategy, Networks Business at Samsung Electronics. "With our extensive endeavors in research and development to pioneer cutting edge technologies, Samsung will continue to support wireless operators and enterprises in expanding and advancing 5G services."

Singtel

“Enterprises and consumers will stand to benefit with mmWave adoption which is key to enabling innovative business solutions and enhancing everyday experiences,” said Mark Chong, Group Chief Technology Officer, Singtel. “With mmWave’s higher bandwidth, it has the potential to deliver applications like cloud gaming and augmented reality as well as enterprise solutions such as autonomous guided vehicles and smart manufacturing. We expect these new use cases to contribute to 5G’s major business drivers and will be working with various companies to co-create 5G-powered solutions.”

SoftBank Corp

“SoftBank Corp. launched 5G mmWave commercial services in March 2021 as a key component of 5G to offer high throughput and high capacity services even in dense traffic situations,” said Keigo Sugano, senior vice president and head of the product division in the consumer business unit, SoftBank Corp. “We are going to add mmWave products to our lineup and are pleased to see the 5G mmW ecosystem is growing globally, as it is critical for us to further utilize the technology to offer the fastest mobile experience to our customers.”

Sunsea AIoT

“Due to its high transmission quality, security and confidentiality, 5G mmWave can empower industries such as industrial manufacturing, connected-car, live broadcast, smart hospital, which can accelerate the digitization and connectivity of industry,” said Tao Yang, chief executive officer, Sunsea AIoT. “Sunsea AIoT (SIMCom) has devoted itself in the 5G mmWave field for a long time, which has launched a series of 5G modules, including SIM8300G-M2 (powered by Snapdragon® X55 Modem-RF System), SIM8360G (powered by the Snapdragon X62), and SIM8380G (powered by Snapdragon X65). As an important collaborator of Qualcomm Technologies, Sunsea AIoT will work with Qualcomm Technologies to drive the global 5G development.”

TCL Communication

“The 5G mmWave deployment opens new and critical opportunities for unleashing the full potential of 5G network. We are excited to join the revolution with our carrier and technical partners in providing more seamless connection experience with even faster data speeds and ultra-low latency empowered by 5G mmWave,” said Aaron Zhang, chief executive officer, TCL Communication. “The launch of TCL 10 5G UW handset last year was our first move in 5G mmWave and it also demonstrates our commitment to 5G For All. We are planning to bring the experience to more mobile categories in the future.”

Telia Finland

“Finland has been in the European forefront in rolling out 5G, as over half of the population has the opportunity to use the latest mobile technology,” said Janne Koistinen, 5G program director, Telia Finland. “However, to fulfill the full promise of 5G, we together need to accelerate the adoption of mmWave technology in Europe. Telia Finland is proud to join the efforts to bring this technology to life.”

Telstra

“At Telstra, we believe that 5G is critical to Australia’s future prosperity and we see mmWave as an important way to expand our 5G offering,” said Channa Seneviratne, executive – technology development and solutions, Telstra. “Each year, the demand for mobile data on our network increases by around 40%. mmWave will not only help us cater for that growth into the future but also enable a range of new use cases and services that will benefit from the speed, latency and capacity that mmWave has to offer.”

TIM

TIM is at the forefront in the use of millimetre-wave solutions. TIM has in fact connected the first Italian factory in 5G, thanks to the creation of a dedicated private network for Exor International, an industrial company in the North East. This infrastructure - which uses millimetre wave frequencies such as those in the 26Ghz range - makes it possible to optimise Smart Factory processes, exploiting the extremely low latency and top security and reliability that characterise the dedicated indoor coverages.

True Corporation Plc

“We at True are proud to have launched the first commercial 5G network in Southeast Asia that uses the 26 GHz mmWave as a cornerstone of our 5G strategy and leadership as it sets the stage for further innovations, including the development of the Industrial Internet-of-Things (IOT),” said Manat Manavutiveth, President (Co), True Corporation Plc. “I strongly believe that True5G is ready to shape Thailand to become a sustainable intelligent nation.”

UScellular

“At UScellular, we are committed to collaborating across the industry to drive innovation that helps bridge the digital divide and enhance the wireless experience for our customers,” said Narothum Saxena, vice president of technology strategy and architecture, UScellular. “Our recent testing results highlight the extended range possibilities that 5G mmWave technology provides and reinforce the important role that wireless plays in keeping people connected across urban and rural communities.”

Vivo

“As a longstanding collaborator of Qualcomm Technologies in innovation, vivo has so far launched more than 30 models of 5G smartphone powered by Snapdragon mobile platforms across the world since the commercialization of 5G,” said Yujian Shi, Senior Vice President & CTO, vivo. “With vivo’s further exploring in 5G technology and standard development, vivo and Qualcomm Technologies have deepened cooperation in mmWave technology to optimize our 5G smart devices and keep bringing more powerful and richerer mobile connectivity experiences to consumers worldwide.”

Xiaomi

“mmWave, an important component of 5G technology, has undoubtedly enormous prospects in applications. Xiaomi has been devoted to developing and testing mmWave technology and device. Even before international communications standard organization 3GPP set the 5G standards, Xiaomi formed a 5G R&D team and achieved mmWave IoDT in October 2018, taking the lead in the industry,” said Cheng Chang, vice president, Xiaomi. “By closely working with Qualcomm Technologies in advancing technologies, we expect to launch the mmWave devices based on the Snapdragon mobile platforms next year and offer our global users with increasingly smooth and superior network experiences.”

ZTE

“The thriving digital economy has become a key driver of high-quality economic development in the world. As a ‘road builder of digital economy’, ZTE is committed to helping accelerate digital transformation across industries with leading information and communications technology (ICT),” said Fei Ni, CEO of ZTE Mobile Devices. “In the past year, ZTE has worked with collaborators such as Qualcomm Technologies in enabling massive mmWave commercial devices to connect to the networks of global major operator customers. Looking ahead, we will jointly drive the evolution of 5G mmWave technology to further expand into a rich variety of use cases across industries to unlock the value of 5G with high bandwidth, low latency and massive connectivity.”

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Momentum for 5G mmWave ecosystem

231 words
28 June 2021
Optical Networks Daily
OBSERV
English

At Mobile World Congress, a contingent of mobile communications operators and vendors announced their collective support for 5G mmWave technology globally. 5G mmWave uses abundant spectrum resources in frequencies above 24 GHz to complement sub-6 GHz rollouts.

Major global mobile industry leaders advancing current 5G mmWave momentum include Airtel, AT&T, Casa Systems, China Unicom, Chunghwa Telecom, Deutsche Telekom, Electronics Telecommunications Research Institute (ETRI), Elisa, Ericsson, Fastweb, Fibocom, Gongjing Electronic, HMD Global, HONOR, Infomark Co., Ltd, Innowireless Co., Ltd., KDDI CORPORATION, Kyocera, MeiG, Motorola, NBN Co, Nokia, NTT DOCOMO, OPPO, Optus, Orange, Partron Co., Ltd., Quectel, Rakuten Mobile, Samsung Electronics, Singtel, SoftBank Corp, Sunsea AIoT, TCL Communication, Telia Finland, Telstra, TIM, True Corporation Plc., UScellular, vivo, Vodafone, Xiaomi, and ZTE.

“The global deployment of 5G mmWave is now inevitable. It is essential to achieve the full potential of 5G and those embracing 5G mmWave will find themselves with a competitive advantage,” said Cristiano Amon, president and chief executive officer-elect, Qualcomm Incorporated. “Support from companies across the ecosystem further demonstrates the global scale and maturity of 5G mmWave. We are proud of our industry leadership in the development, standardization and commercialization of 5G mmWave and honored to work with major mobile industry leaders to accelerate its deployment worldwide.”

https://www.qualcomm.com/news/releases/2021/06/28/global-mobile-industry-leaders-commit-support-5g-mmwave

Document OBSERV0020210629eh6s00003

Biden executive order bans investment in Huawei and 58 other Chinese firms

by Harry Baldock, Total Telecom
490 words
4 June 2021
Total Telecom Plus
TOTEL
English

The move is a continuation and tidying of policies first implemented by President Donald Trump last year

Back in November 2020, then-President Donald Trump signed an executive order banning Americans from investing in companies that the US deemed to have links to the Chinese military. This previous designation had initially placed 31 companies on the blacklist, including Huawei and all three of China's largest mobile operators, China Mobile, China Unicom, and China Telecom. However, the scope of the order quickly came under scrutiny and legal challenges. In total, 48 Chinese companies were cut off from US investment as a result of this order. Now, Preisdent Joe Biden has issued a new executive order of his own, expanding on and shoring up the previous order against legal challenges. The order names 59 Chinese companies with connections to China's defense and surveillance technology sectors, with the list compiled by the US Treasury Department, rather than the Defense Department as was previously the case. The list notably still includes major telecoms players such as Huawei, China Mobile, China Unicom, and China Telecom, but also notably includes Hangzhou Hikvision Digital Technology Co., a company that develops surveillance equipment reportedly been used by authorities to persecute ethnic Uyghurs within China. Semiconductor Manufacturing International Corporation (SMIC), China's largest semiconductor foundry company, is also included on the list. Not included are DJI, WeChat, TikTok, or its parent company ByteDance. The move comes after the legal challenges of a number of Chinese companies proved successful in seeing them removed from Trump's investment blacklist. In May, for example, a judge ruled that Chinese phonemaker Xiaomi should be removed from the list. Thus, the Biden administration said that a revision was needed to make the policy clearer and more viable as a long-term strategy. "We really want to make sure that any future prohibitions are on legally solid ground. So, our first listings really reflect that," said a senior administration official. Officials warn the list is likely to expand in the coming months as further assessments are performed. "We fully expect that in the months ahead … we'll be adding additional companies to the new executive order's restrictions," said the official. Investors were told they would have time to "unwind" their investments, according to a spokesperson. The policy comes into effect on 2 August. This ban is perhaps the clearest evidence so far that President Biden intends to continue the 'tough on China' approach followed by his predecessor. Want to keep up to date with the latest developments in the world of telecoms? Subscriber to receive Total Telecom's daily newsletter here Also in the news: Aviva and Darwin partner for autonomous vehicles using O2 5GOrange Poland backs Blockchain of Things for smart citiesChina takes lead in 28nm and 14nm chip production to address chip shortage

509841

Document TOTEL00020210604eh6400005

即市頭條- Latest News
CHINA UNICOM Strikes Strategic Tie-up with Peng Cheng Laboratory

78 words
4 June 2021
AAStocks Financial News
AASFNE
English

CHINA UNICOM (00762.HK) and Peng Cheng Laboratory reached a strategic **partnership** on 2 June, where both sides will establish a mechanism guiding consultation, communication and day-to-day liaison.

Equally, the parties will devote themselves to significant national scientific research projects centering on material scientific issues, as well as key and core technologies.

~

AAStocks Financial News

Web Site: www.aastocks.com

Document AASFNE0020210604eh640060p

即市頭條- Latest News
CHINA UNICOM Granted Radio & TV Program Production & Biz Operation License

105 words
4 June 2021
AAStocks Financial News
AASFNE
English

CHINA UNICOM (00762.HK) will give full play to its resources edges, having received a Radio and TV Program Production and Business Operation License from National Radio and Television Administration. The telco aims to work with both upstream and downstream **content** sector chain players to create an open, collaborative, reciprocal and win-win video **content ecosystem**.

According to Chinese reports, CHINA UNICOM will team up with Pingyao People's Government for a 52-episode animated series on ancient China's armed escort agent.

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AAStocks Financial News

Web Site: www.aastocks.com

Document AASFNE0020210604eh64005eh

上海日报
ShanghaiDaily.com

Shanghai
Faster 5G connections at flower expo

268 words
25 May 2021
Shanghai Daily
SHND
English

Mobile download speeds have surpassed family broadband levels at the 10th China Flower Expo on Chongming Island, enabling visitors to enjoy a range of 5G services and innovations, such as livestreaming, Vlogs, video conferences, **virtual reality** and **cloud** games, it was revealed yesterday.

By the end of April, carriers including China Mobile, China Telecom and China Unicom had built 2,468 outdoor 5G base stations on the island, covering the entire flower exhibition area and providing faster 5G connections, according to industry regulators from the Shanghai Commission of Economy and Information Technology.

Real-time download speeds at the flower expo are around 3 gigabytes per second, three times faster than normal family broadband services.

“It’s fast and impressive, far exceeding my expectations,” said Jiang Junmu, a veteran tech industry observer who visited the expo over the weekend.

5G signals cover not only the expo site, but also the 100-kilometer route from downtown to the site, as well as highways and transportation hubs, the commission and mobile carriers said.

With 5G networks, Shanghai Mobile also offers operation and control systems for the expo, covering intelligent transportation, ticketing, security and park operation systems. “The expo is a new window for Shanghai to showcase the latest 5G applications and innovations,” a commission official said.

Shanghai Telecom has set up a volunteer team of 50 people to support its 5G network and introduce 5G applications to visitors, including games.

A majority of the 5G base stations have been redesigned or “hidden” in walls and gardens, providing a better landscape for the flower expo.

Document SHND000020210525eh5p00005

Tech
Flower expo offers lightning-fast 5G connections

Zhu Shenshen
305 words
24 May 2021
11:25
Shanghai Daily Online
SHNDOL
English

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Click Here to View Image

Document SHNDOL0020210524eh5o0003c

China Politics
Huawei, Unicom deepen 5G alliance

555 words
19 May 2021
People's Daily Online
PEODEN
English

Shoppers try Huawei smartphones at a shop in Changzhou, Jiangsu province. [Photo by WANG QIMING/FOR CHINA DAILY]

China Unicom, a leading Chinese telecom operator, is deepening its **partnership** with Huawei Technologies Co by jointly unveiling a 5G evolution technology plan for the next five years.

Ma Hongbing, general manager of the technology innovation department at China Unicom, said 5G is set to promote the transformation of a smart society. Facing business demand for the next five years, there is a need to unveil a 5G evolution technology plan, 5G-Advanced technologies, for the next five years.

China Unicom and Huawei have identified three new industry tracks in the future, and proposed three major 5G-Advanced technologies, including intelligent new vision for XR virtual interaction; and smart super sensing for new industries such as high-precision positioning, internet of vehicles, drones and smart driving, Ma said.

XR technology is an umbrella category that covers various forms of computer-altered reality, including augmented, virtual and mixed reality.

Ding Yun, president of Huawei's carrier business group, said China has already built the largest 5G network in the world, and the tech will help foster high-quality development.

In the future, 5G application scenarios will become more diversified, and wireless technology itself needs to evolve constantly, so as to have new capabilities to achieve intelligent connection of all things, Ding said.

The two companies are also working on a 5G Capital innovation project, which is part of their broader efforts to make Beijing a global benchmark for 5G applications.

China Unicom Beijing and Huawei have unveiled a 5G indoor ubiquitous gigabit network in the National Stadium, providing the infrastructure required to scale up smart applications, such as AR services in large stadiums.

Nicknamed the Bird's Nest, the National Stadium, for instance, is a 91,000-capacity comprehensive venue covering 258,000 square meters in Beijing. Large open areas with a high density of mobile users such as these represent a typical heavy-load scenario of mobile networks, Huawei said.

Large simultaneous sharing of images and videos and video calls over 5G networks during major events create a tremendous capacity demand. At the same time, increasingly popular AR technology enables users to enjoy more diverse content and services through their mobile phones and smart glasses while interacting with their surrounding environment for enhanced immersion, further raising the requirements on network experience, Huawei said, adding that the two companies are working together to solve such problems.

The deepened cooperation came after China Unicom reported a 21.2-percent year-on-year surge in net profit in the first quarter amid efforts to push digital transformation and high-quality growth.

Net profit attributable to the parent company exceeded 1.69 billion yuan ($260.7 million), China Unicom said in a statement to the Shanghai Stock Exchange.

Business revenue rose 8.2 percent to 73.92 billion yuan in the reporting period, it said. The company's 5G users increased by 21.02 million during the first quarter, bringing the total number to 91.85 million.

Wang Zhiqin, deputy head of the China Academy of Information and Communications Technology, a government think tank, said: "China is likely to achieve several breakthroughs in 5G technology evolution, network construction and applications over the next five years."

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MIL-OSI China: Huawei, Unicom deepen 5G alliance

548 words
19 May 2021
ForeignAffairs.co.nz
PARALL
English

Source: China State Council Information Office

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MIL OSI China News -

Document PARALL0020210519eh5j0008o

Huawei, Unicom deepen 5G alliance

Ma Si
542 words
19 May 2021
China Daily-Hong Kong Edition
CHNDHK
13
English

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masi@chinadaily.com.cn

Document CHNDHK0020210518eh5j00002

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Ma Si
543 words
19 May 2021
China Daily-Global Edition
CDGLED
8
English

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masi@chinadaily.com.cn

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Ma Si
542 words
19 May 2021
China Daily
CHNDLY
13
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Document CHNDLY0020210518eh5j00001

THE WALL STREET JOURNAL.

Markets Main
Markets

China Mobile to List in Shanghai as It Departs NYSE; China Mobile, two smaller rivals lost appeals against being kicked off New York Stock Exchange

By Joanne Chiu
538 words
18 May 2021
11:05
The Wall Street Journal Online
WSJO
English

China Mobile Ltd. said it plans to sell billions of dollars' worth of shares in Shanghai, days after learning it would definitely be ejected from U.S. markets under a Trump-era **investment** blacklist.

The company, the world's largest mobile operator by subscribers, said late Monday it planned to list on the Shanghai Stock Exchange. As part of that plan, China Mobile will issue up to 964.8 million shares. That implies a deal size of nearly $6.1 billion based on its shares' closing price in Hong Kong on Monday.

On May 6, China Mobile and its two smaller rivals, China Telecom Corp. and China Unicom (Hong Kong) Ltd., lost appeals against being kicked off the New York Stock Exchange. The Big Board is moving to delist them to comply with an investment ban introduced by former President Donald Trump.

China Mobile didn't say the Shanghai offering was linked to the U.S. delisting. Chinese authorities and investors have more broadly wanted to make it easier for domestic investors to invest in more of China's corporate champions and its fast-growing technology companies.

The telecoms group said it plans to spend the deal's proceeds on projects such as faster mobile networks, new cloud infrastructure and superfast broadband.

China Mobile's stock jumped as much as 4.8% intraday on Tuesday. It closed 2.7% higher at 50.10 Hong Kong dollars, the equivalent of about $6.45. In January, China Mobile shares fell to their lowest level since 2006, but they have since regained some ground. The Hong Kong listing has already enabled some mainland investors to buy the shares via a trading link known as Stock Connect.

The planned listing fits into a broader trend of Chinese companies selling stock either in Hong Kong or on the mainland, said Rob Mumford, an investment manager for emerging-market equities at GAM Investments.

"A domestic listing would allow Chinese companies to raise capital at a higher valuation at home and, more importantly, it gives access to the local investors to internationally listed firms," Mr. Mumford said.

He added that investors had been receptive to Chinese companies seeking domestic listings despite the dilution this could create—meaning that existing holders' economic stakes in the company will be reduced.

China Mobile said its Shanghai Stock Exchange listing is subject to market conditions and approval from shareholders and regulators. China International Capital Corp. and Citic Securities Co. are the deal's joint sponsors.

Its counterpart China Telecom is also pursuing a Shanghai listing. China Telecom said last month that the securities regulator had accepted its application for such a listing, without giving details about the size or time frame.

For the Chinese telecoms, "having a listing back home would enhance their trading liquidity and possibly valuations too," said Mark Dong, co-founder of hedge fund Minority Asset Management.

China United Network Communications Ltd., the parent company of China Unicom, is already listed on the Shanghai exchange.

Write to Joanne Chiu at joanne.chiu@wsj.com

China Mobile to List in Shanghai as It Departs NYSE

Document WSJO000020210518eh5i000p1

Finance
China Mobile Gains in Hong Kong After Revealing Plans to Float in Shanghai

Tang Shihua
351 words
18 May 2021
Yicai Global
YICAIG
English

(Yicai Global) May 18 -- China Mobile Communications Group's stock gained in Hong Kong after the country's biggest mobile operator unveiled plans to list in Shanghai as the New York Stock Exchange proceeds to remove all three Chinese state-owned carriers following a US **investment** ban.

Shares of China Mobile [HKG: 0941] ended 2.7 percent higher today at HKD50.10 (USD7.80), after earlier climbing as much as 4.8 percent. The benchmark Hang Seng Index rose 1.4 percent.

China Mobile will issue up to 965 million new shares, accounting for about 4.5 percent of its common stock outstanding, the Beijing-based company said in a statement yesterday. It is expected to raise about HKD47.1 billion (USD6.1 billion) based on yesterday's closing price of HKD48.80 in Hong Kong.

China Mobile follows compatriot rivals China Telecom and China Unicom in heading for the Shanghai Stock Exchange. China Telecom said in March that it plans to list on the SSE. China Unicom has traded on the bourse since 2002.

Their New York-listed shares have been suspended from trading since January. Earlier this month, the three firms were unsuccessful in appealing their removal from the NYSE following investment restrictions ordered by former US President Donald Trump last year.

The offering should help accelerate digital transformation and introduce new strategic investors to China Mobile, the firm said. Proceeds of the share sale will go to fifth-generation wireless networks, cloud infrastructure, its smart homes business, data middle platform construction, research and development of new information technologies, and digital intelligence.

China Mobile is leading in next-gen internet. Its 5G data plan subscribers reached 189 million as of March, surpassing China Telecom's 110 million and China Unicom's 91.9 million.

It has built more than 460,000 5G base stations and offers fast connectivity in the key areas of more than 300 Chinese cities, Chairman Yang Jie said yesterday.

Editor: Emmi Laine, Xiao Yi

Click here to view image.

Document YICAIG0020210518eh5i00034

China Mobile to list up to 964.81 mln shares in Shanghai Stock Exchange

147 words
18 May 2021
China Knowledge Press
CHIKNO
English

May 18, 2021 (China Knowledge) - China Mobile (0941), the largest telecommunications carrier in the world by subscribers, announced on Monday that its board had approved a plan to issue new RMB-denominated shares that will trade on the main board of the Shanghai Stock Exchange. The company plans to issue up to 964.81 mln shares, or 4.5% of the expanded shareholder base. The announcement coincides with the delisting of its American depository receipts from the New York Stock Exchange on Tuesday, along with those of China Telecom (0728) and China Unicom. (0762) Holders of the delisted ADRs can exchange them for Hong Kong-listed shares and eventually sell them. China Mobile said the proceeds from the listing will be used to build premium 5G networks, new **infrastructure** for **cloud** resources, and gigabit broadband, among other projects.

Document CHIKNO0020210518eh5i00031

DOW JONES NEWSWIRES

China Mobile to List in Shanghai as It Departs NYSE

By Joanne Chiu
509 words
18 May 2021
10:00
Dow Jones Newswires Chinese (English)
RTNW
English

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The planned listing fits into a broader trend of Chinese companies selling stock either in Hong Kong or on the mainland, said Rob Mumford, an investment manager for emerging-market equities at GAM Investments.

"A domestic listing would allow Chinese companies to raise capital at a higher valuation at home and, more importantly, it gives access to the local investors to internationally listed firms," Mr. Mumford said.

He added that investors had been receptive to Chinese companies seeking domestic listings despite the dilution this could create -- meaning that existing holders' economic stakes in the company will be reduced.

China Mobile said its Shanghai Stock Exchange listing is subject to market conditions and approval from shareholders and regulators. China International Capital Corp. and Citic Securities Co. are the deal's joint sponsors.

Its counterpart China Telecom is also pursuing a Shanghai listing. China Telecom said last month that the securities regulator had accepted its application for such a listing, without giving details about the size or time frame.

For the Chinese telecoms, "having a listing back home would enhance their trading liquidity and possibly valuations too," said Mark Dong, co-founder of hedge fund Minority Asset Management.

China United Network Communications Ltd., the parent company of China Unicom, is already listed on the Shanghai exchange.

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(END) Dow Jones Newswires

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telecompaper

China Unicom, Huawei demo 5G ubiquitous Gigabit network at National Stadium

205 words
17 May 2021
Telecompaper Asia
TELASI
English

China Unicom Beijing and Huawei have unveiled a 5G indoor ubiquitous Gigabit network in the National Stadium, during the commemoration of the 2021 World Telecommunication & Information Society Day (WTISD). According to Huawei, combining the 5G LampSite digital indoor network products that support bandwidth of 300 MHz and distributed Massive MIMO technology, the network delivers a perceived data rate of above 1 Gbps in 90 percent of the grandstand area.

This level of performance fulfills the requirement for ubiquitous Gigabit experience in the stadium, providing the **infrastructure** required to scale up smart applications, such as AR services in large stadiums, Huawei added.

Dubbed the Bird's Nest, the National Stadium is a 91,000-capacity venue covering 258,000 square meters in Beijing. China Unicom Beijing used Huawei's indoor digital small cells that support a bandwidth of up to 300 MHz to build the network. The field tests showed that the downlink peak throughput reached 12 Gbps with a continuous 300 MHz bandwidth in the 3.3-3.5 GHz band. According to Huawei, the field results showed an improvement of over 30 percent in user-perceived speed and consistent Gigabit experience for users on the move.

Document TELASI0020210517eh5h00003

CENAFTAENG
Maersk: TradeLens is available in China

Redacción Opportimes
329 words
12 May 2021
CE NAFTA 2.0-USMCA
NAFTA
English

Shipping company Maersk reported that the TradeLens **platform** is available in China through collaboration with China Unicom Digital Tech.

TradeLens officially opened in August 2018.

In general, its purpose is to interconnect the various parties involved in international trade in order to reduce the costs of documentation, verification, processing and coordination involved in cross-border transport.

According to Maersk data, up to one fifth of the total cost of moving a container may correspond to documentation and red tape.

China Unicom Digital Tech, the subsidiary of China Unicom, the world's leading provider of telecommunications services, announced its partnership with TradeLens to enable its official marketing in China and ensure the provision of a fully integrated, real-time and consistent view of logistics data for the transport of goods in containers worldwide.

TradeLens is a blockchain-enabled digital container logistics platform jointly developed by Maersk and IBM.

Maersk

As part of the collaboration, China Unicom Digital Tech will host and operate TradeLens in mainland China, making it available to global exporters and importers in China, along with other supply chain partners.

China's market is huge, and Maersk estimates that one in three export containers is exported from China and one in six imported containers is imported into China.

As a result, the partnership connects the world's second-largest economy to the TradeLens platform, further improving network coverage of TradeLens global services.

TradeLens gathers data from across the global supply chain ecosystem, including senders, shipping carriers, terminal and intermodal operators, etc., with the aim of replacing manual and paper documents with blockchain-enabled digital solutions, to facilitate digital value transfer.

The TradeLens ecosystem now includes direct integrations with more than 300 organizations, extending to more than 10 shipping carriers and covering data from more than 600 ports and terminals.

It has already tracked more than 35 million container shipments, nearly 2 billion events and approximately 16 million published documents.

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PortSEurope

TradeLens available in China through collaboration with China Unicom Digital Tech

850 words
10 May 2021
PortSEurope
PORTEU
English

China Unicom Digital Tech, the subsidiary of China Unicom, the global leading telecommunication service provider, announced their **partnership** with TradeLens to enable its official commercialization in China, and ensure the provision of fully integrated, real-time and consistent view of logistics data for containerized freight around the world. TradeLens is a blockchain-enabled digital container logistics **platform**, jointly developed by A.P. Moller - Maersk and IBM - May 10, 2021

As part of the collaboration, China Unicom Digital Tech will host and operate TradeLens in Chinese Mainland, making it available to global exporters and importers in China, along with other supply chain partners. The China market is huge, with Maersk estimating that one in three export containers is exported from China and one in six imported containers is imported into China. As a result, the partnership connects the world's second-largest economy to the TradeLens platform, further enhancing the network coverage of TradeLens global services.

Mr. Haifeng Chen, President of China Unicom IOT Research Institute and Vice President of China Unicom Digital Tech said, "This year marks the inaugural year of the 14th Five-Year Plan. As a major use case in the critical digital transformation period, the upgrade towards digital shipping and logistics industry will facilitate the country to build the dual circulation development pattern. By joining force with TradeLens, we may optimize our strength on cyber security, data security and transaction security. Leveraging with IOT, blockchain and other technologies, we will achieve logistics service standardization, visibility and intelligence, and help build a connected, trustful and highly efficient logistics network."

TradeLens brings together data from the entire global supply chain ecosystem including shippers, ocean carriers, terminal operators and intermodals, etc, aiming to replace manual and paper-based documents with blockchain enabled digital solutions, in order to facilitate digital value transfer. Launched in 2018, the TradeLens ecosystem now includes direct integrations with more than 300 organizations – extending to more than 10 ocean carriers and encompassing data from more than 600 ports and terminals. Already it has tracked over 35 million container shipments, close to 2 billion events and roughly 16 million published documents.

“The industry has reached another important milestone with TradeLens now live in China, an economy at the center of the world’s largest trade lanes. Our customers need enhanced visibility more than ever to drive efficiency and resilience and they require digital solutions to handle trade documents to help reduce the disruptions created by the global pandemic. TradeLens will provide new tools to facilitate industry innovation and help our customers accelerate their digital agendas,” commented Caroline Wu, Managing Director of Greater China, A.P. Moller - Maersk.

"TradeLens brings together logistics data and digital workflows to improve the efficiency of customer supply chain efficiency," Xin Li, Vice President, Industry Business Development, IBM Greater China Group. "The growing interest in TradeLens from Chinese companies is a strong indication of how the growing complexity in the container shipping industry demands the use of advanced technologies such as blockchain and hybrid cloud to driver greater efficiency in the highly dynamic market."

TradeLens will provide new tools to facilitate industry innovation and help our customers accelerate their digital agendas.Caroline WuManaging Director of Greater China, A.P. Moller - Maersk

About China Unicom Digital Tech

China Unicom Digital Technology Company Limited (abbreviated as China Unicom Digital Tech), was officially established on February 7, 2021. It’s a strategic layout of China Unicom to create unique innovative competitive advantages and achieve differentiated innovative breakthroughs. The company is committed to promote high-quality development of China’s digital economy, and enable the digital transformation of government and enterprise customers.

About TradeLens

The TradeLens platform has been jointly developed by Maersk and IBM. TradeLens is an open and neutral industry platform underpinned by blockchain technology, supported by major players across the global shipping industry. The platform promotes the efficient, transparent and secure exchange of information in order to foster greater collaboration and trust across the global supply chain.

About A.P. Moller - Maersk

A.P. Moller - Maersk is an integrated container logistics company working to connect and simplify its customers' supply chains. As the global leader in shipping services, the company operates in 130 countries and employs 80,000 people. For more information, please visit: www.maersk.com

About IBM

IBM is a leading global hybrid cloud and AI, and business services provider. We help clients in more than 175 countries capitalize on insights from their data, streamline business processes, reduce costs and gain the competitive edge in their industries. Nearly 3,000 government and corporate entities in critical infrastructure areas such as financial services, telecommunications and healthcare rely on IBM's hybrid cloud platform and Red Hat OpenShift to affect their digital transformations quickly, efficiently and securely. IBM's breakthrough innovations in AI, quantum computing, industry-specific cloud solutions and business services deliver open and flexible options to our clients. All of this is backed by IBM's legendary commitment to trust, transparency, responsibility, inclusivity and service. For more information, visit www.ibm.com

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