伍、相關附件

附件一:CRC 介紹蒙古 ICT 發展之影像摘要







Ini	itiation: Start of Communication
	Telephony agency "MONTA" of the Temporary
	Government of Mongolia was established. The first post stamp was issued.
The Alexandra	First radio broadcasting was started
Part of Branch of St	
1939	The first 200 line telephone exchange put into operation
1944	Ministry of Communication was established.
1950	
	and Arkhangai was built.
	1921 1924 1934 1937 1939 1944

Initiation: Start of Communication









L	atest Growth: ICT development
2005	E-Mongolia National program: a blue-print and roadmap for ICT development.
2005	Unitel started its cellular services of GSM system.
2006	
	MISPA and Netcom were established.
2007	MOSA and Skynetcom were established.
2008	Approved "Unified Registration and information system national program and
	Master plan to develop outsourcing.

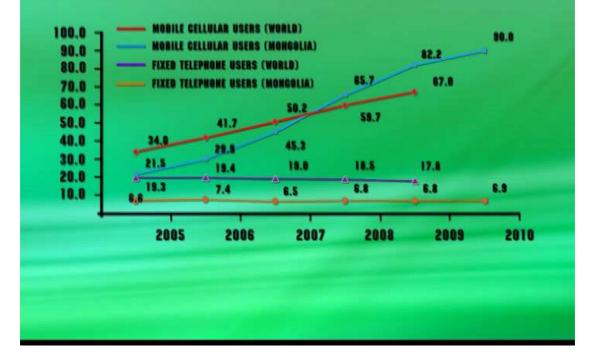


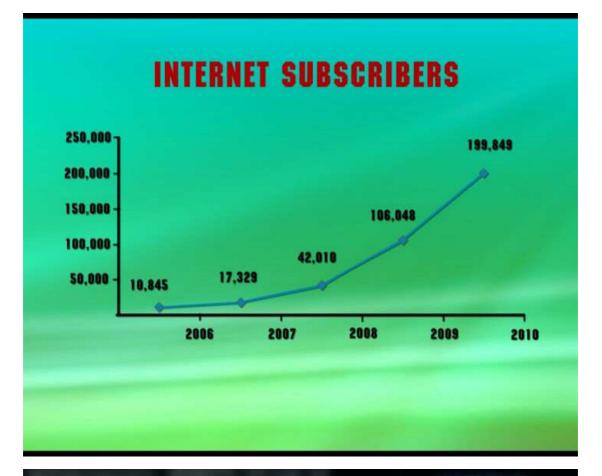
- universal computerization
- national data and information center
- reduction of service prices and tariffs
- improved infrastructure
- increased network capacity
- access to information and communications services in rural and local areas
- transmitting different television channels in local areas



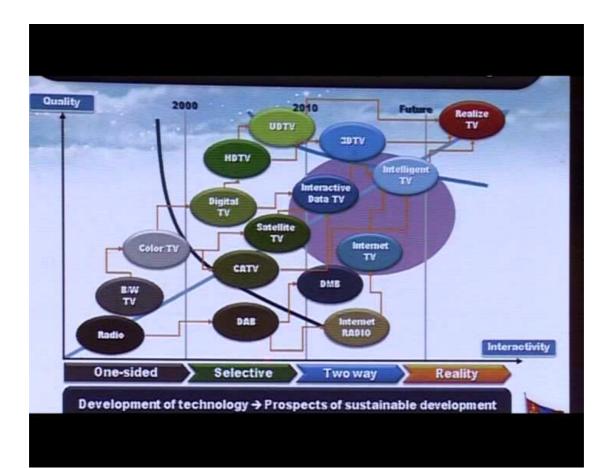


MOBILE AND FIXED INDICATORS









- World Bank
- Asian Development Bank
- European Bank for Reconstruction and Development
- Asian Foundation
- Korea International Cooperation Agency
- Japan International Cooperation Agency
- United States Agency for International Development
- International Development Research Center of Canada
- International Finance Corporations
- Embassies and Diplomatic Corpus

Ongoing projects

- National program on registration integrated system
- Project to build up high-speed Internet network connecting all soums, urban areas, province (aimag) centers and the capital city
- "Distance learning", "E-diagnosis and treatment
- E-content development system
- Project to place mailing boxes in every household
- Information and Communications Infrastructure Development project

These projects and programs allows information and communications technologies deeply penetrate into lives of people, become their daily consumption, and there is no doubt that the level of development in our country will sharply improve. Future projects:

The Government of Mongolia is nowworking on development of "National satellite for communications", "Information technology training and industrial campus", "Introduction of digital radio and televisionbroadcasting services" and other programs and projects are being developed for deployment throughout the country. The big development project on extending high-speed fiber optic network to cover whole country will be continued this year.

In order to provide favorable environment to support e-services, to make different outsourcing businesses as real works, increasing information, communications, postal and Internet services to rural part of Mongolia, to use public-private partnership approach is becoming essential requirement. We need to develop Information society based on development of ICT sector, to begin development of knowledge based economy. The directions were given to initiate and establish Silicon Valley of Mongolia and connect it with project to establish a campus of universities. It is important to realize that everyone's participation and initiatives are important in this. This will fasten the development of not only the sector, but also whole Mongolia.

This year, dedicated to the 90th anniversary of ICT sector, we are organizing national and international events in Mongolia:

- National ICT Policy Forum: May 25-26
- ICT 90- EXPO; May 27-30
- ITU Regional Forum on Designing a Mechanism for Cooperation in Emergency Communications: July 6-11
- APPU Executive Council meeting : July 25-29
- APT Wireless Forum: September

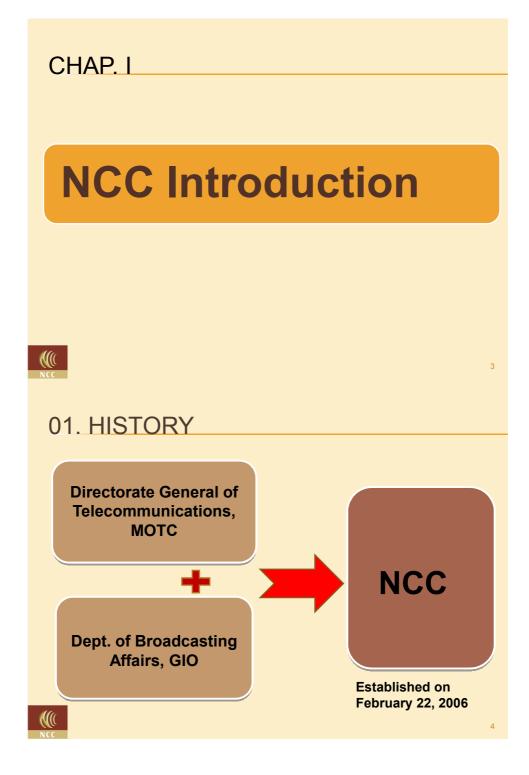
On behalf of the Government of Mongolia, ICIPA and CRC are open to cooperate with international and donor organizations to develop and implement programs, projects and activities, to enable development of ICT sector of Mongolia and foster socio-economic development of Mongolia



附件二:「NATIONAL COMMUNICATIONS COMMISSION AUGUST

15,2011」之簡報稿





02. LEGAL GROUND (1/2)

Foundation of Establishment

Policy Goals

Fundamental Communications Act

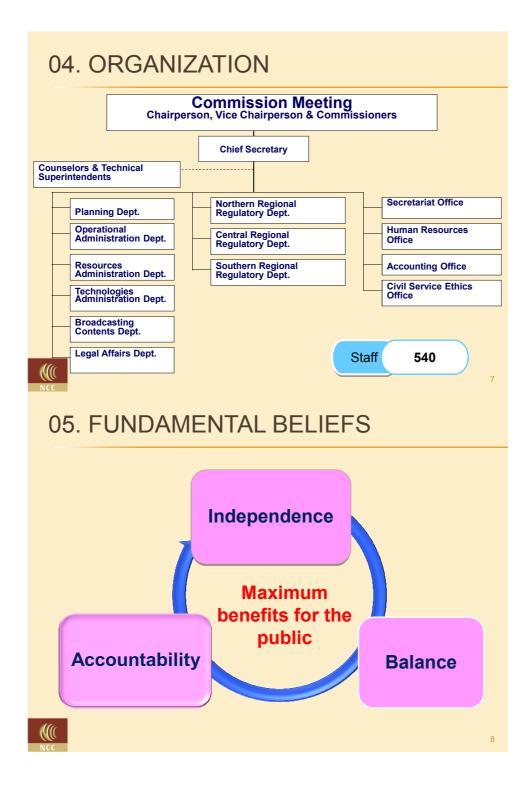
- Independent regulatory agency to regulate broadcasting and communications industry in accordance with convergence
- Promote the sound development of communications
- Safeguard the rights of the public
- Protect consumers'interests
- Develop multicultural diversity

03. LEGAL GROUND (2/2)

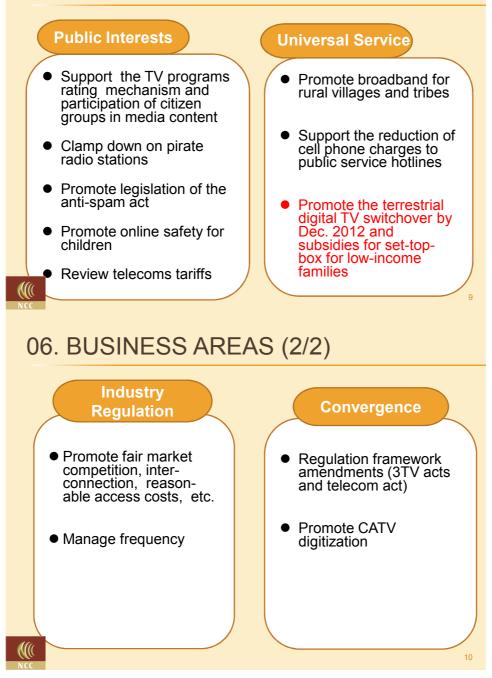
Main Business Areas • Policies, Acts & Regulations

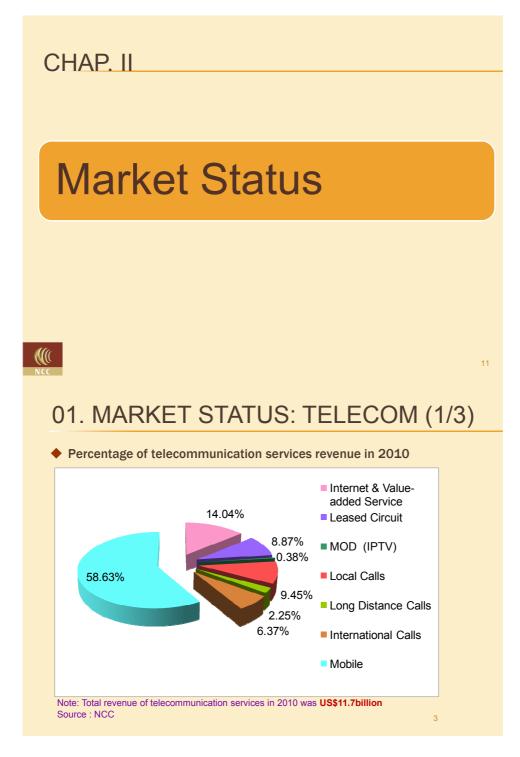
- Certificates & Licenses
- Communications Systems & Equipment Inspection
- Technical Engineering Specification & Security Standards
- Content Rating System
- Communications Resources Management
- Market Competition Promotion
- Major Disputes Settlement & Consumer Protection
- International Cooperation

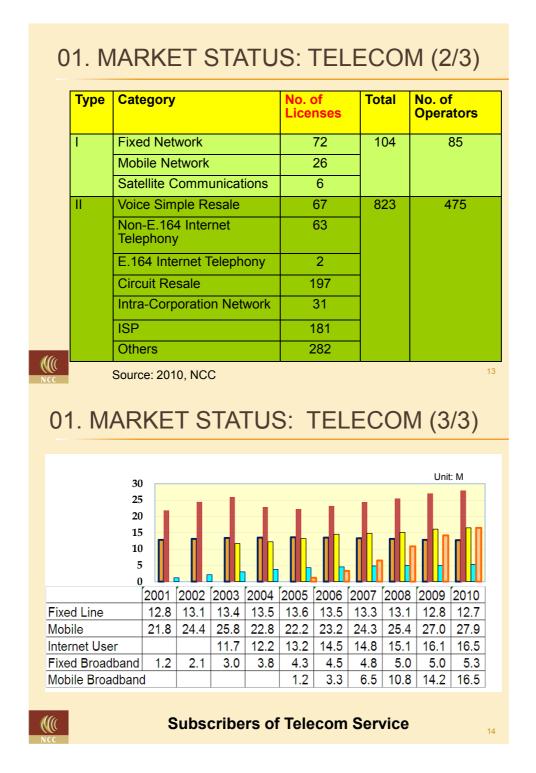












01. MARKET STATUS: MEDIA (1/2)

Туре	No. of Operators	Revenue (USD)
Radio	171	90.9M
Terrestrial TV	5	377.6M
Satellite Broadcasting Business	82	677.8M
Foreign Satellite Broadcasting Business	30	51.7M
CATV	59	1,081.3M

*Satellite Channels: 268

*Source: 2010 Overview of Broadcasting in Taiwan, NCC



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01. MARKET STATUS: MEDIA (2/2)

CATV Market

Operating	Business Zones	51	
	Operators	59	
	2010 Revenue	USD1081.3M	
Subscription	No. Household	5,084,491	
	Penetration	64.06%	
STB Subscription	No. Household	391,462	
	Penetration	7.70%	
Digital Pay Channel Subscribers		276,984	









II. PROMOTE DIGITIZATION OF CABLE TV

- Goal: 50% of households access digital cable TV by 2015 set by the Executive Yuan's "Digital Convergence Policy Initiative"
- Short-term strategies
 - > Announce the "Administrative Digitization Project of Cable TV in the Experimental Areas" to encourage broadcasters to gradually implement digital switchover systems.
 - Adjust operating areas, announce acceptance of application, and introduce digitization according to Article 22 and 32 of the Cable & Broadcasting Act
- Mid- and long-term strategies
 - > Gradually remove barriers for CATV operations across geographic areas and achieve the goal of 50% of households in Taiwan access digital cable TV by 2015
 - Complete amendments to the Cable Radio & Television Act, encourage the innovative convergence services, introduce new market players, based on the minimal operating areas in municipality/city/county

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III. DIGITAL CONVERGENCE DEVELOPMENT POLICIES

Two-stage regulatory revision

- > Stage I: Remove barriers to allow cross-sector operations
- > Stage II: Develop layered horizontal regulatory framework
- Strategies
 - Establish a fair and sound environment for industrial development by ruling out market entry barriers
 - Accord with the governments' industrial policies with forwardlooking policy for scarce resources
 - Promote economic and industrial developments by continually ruling out convergence impediments

IV. DISASTER PREVENTION ACTION OF COMMUNICATIONS INDUSTRY

1. Advise telecommunication operators to hold disaster prevention drills on a regular basis



3. Build highly reliable disaster-resistant communication systems to ensure that the communication between suburban residents and outside is unobstructed.

Illustration showing the installation of disaster proof communication platform in Kaohsiung Area

2. Actively participate in disaster recovery/mitigation when accidents happen





V. UNIVERSAL SERVICE

Year	Chunghwa Telecom	Taiwan Fixed Network	Chungtou Digital TV	New Century InfoComm Tech	Number of Broadband installation	Total Construction Spending (NT\$)
2007	43 villages, 8counties	3 Villages in Alishan Township, Chiayi County			46	92,902,784
2008	42 tribes (neighborhoods), 10counties	3 Villages in Alishan Township, Chiayi County	2 villages, Nantou County		50	77,787,313
2009	48 installation points in the tribes of 35 villages (neighborhoods), 28 townships, 12 counties	1 village, Ren Ai Township		1Village, Fanlu Township	51	77,314,590
2010	Totally 10 installation points in the tribes of 7 villages (neighborhoods), 5 townships, 5 counties	1 village, Yixing Township			11	13,897,057
	Total				158	261,901,744

• Achievements of "Broadband in Every Village" and "Broadband

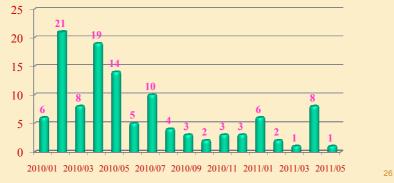
in Every Tribe" Projects

VI. REDUCE TARIFF RATE

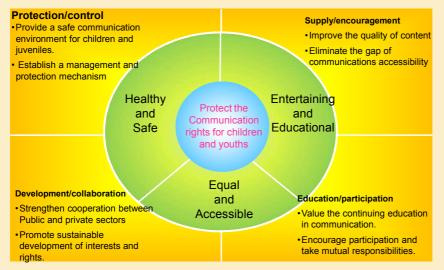
- Price cap: adopted to push the telecom operators to lower their tariffs and enhance efficiency
- Items and scopes:
 - Fixed Network Services: the adjustment coefficient is 4.816% for 7 services in ADSL line rental fees
 - Mobile Services: the adjustment coefficient is 5% for communication between mobile telecom service operators, mobile phones calling home phones as well as domestic text messages
- Period: Apr. 1, 2010 ~ Mar. 31, 2013. Relative rates have decreased for 2 consecutive years and will continue to 2013
- Benefits: 41million subscribers

VII. CLAMPING DOWN ON PIRATE RADIO STATIONS

- Maintain order and protect legal communication
 - Compile evidence against pirate radio stations and increase their operating costs
 - > Enhance synergy in the fight against pirate radio stations
- Total of 116 pirate radio stations were clamped from Jan. 2010 to May 2011



VIII. WHITE PAPER ON COMMUNICATIONS RIGHTS OF CHILDREN AND JUVENILES



It is expected that the White Paper will be introduced this year

Thank you for Your Attention

www.ncc.gov.tw



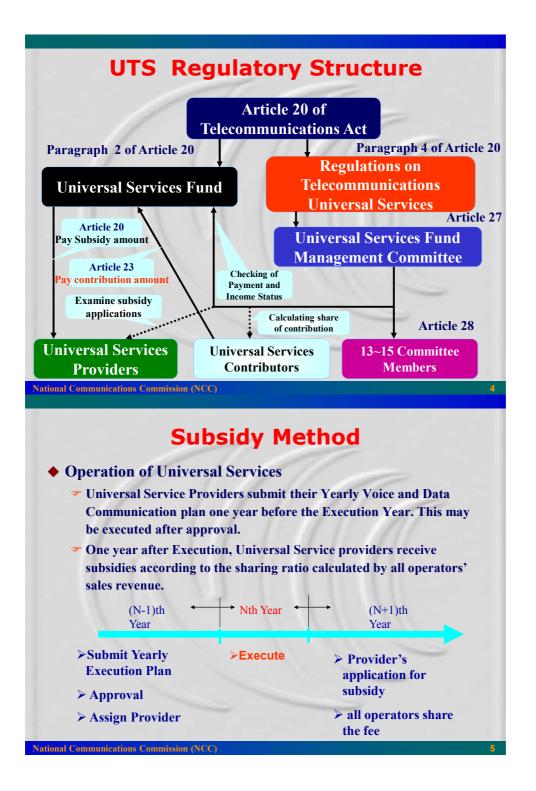
附件三:「OVERVIEW AND BENCHMARKS OF UNIVERSAL

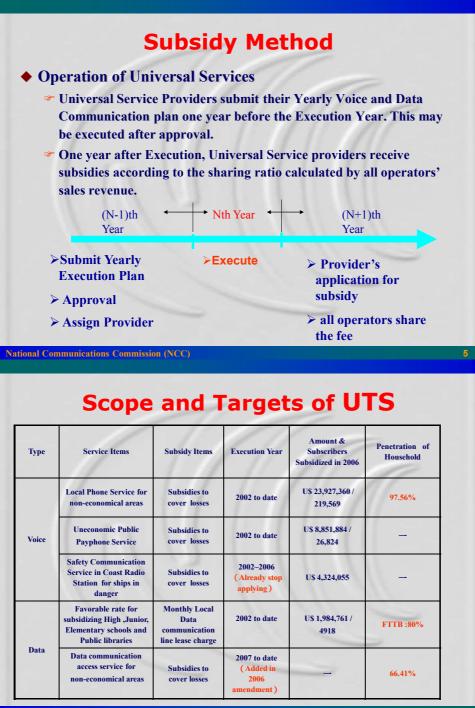
TELECOMMUNICATION SERVICES IN CHINESE TAIPEI」 簡報稿



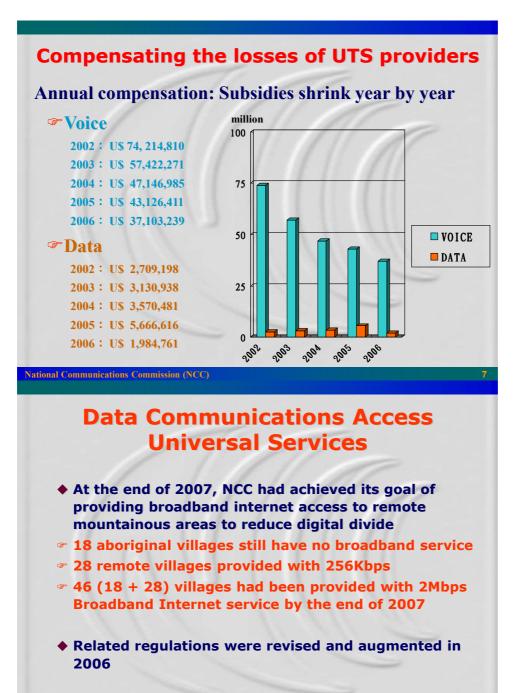


National Communications Commission (NCC)





National Communications Commission (NCC)



National Communications Commission (NCC)

Compensating the losses of UTS providers

	11					11			
年度項目	91	92	93	94	95	96	97	98	99
不經濟地區 電話服務	1,315,123,267	1,033,766,406	952,882,002	840,016,938	765,674,549	475,355,577	490,294,445	497,468,985	494,897,179
不經濟公用 電話服務	827,878,340	625,680,864	413,395,201	392,934,419	283,260,314	171,771,819	157,826,281	151,443,937	127,338,438
海岸电臺船 舶遇險及安 全通信服務	231,872,344	178,065,420	142,426,320	147,093,813	138,368,811		111		
中小學校優 惠補助	86,694,329	100,190,008	114,255,399	181,331,704	158,813,363	177,668,755	180,900,502	187,430,965	166,876,137
不經濟地區 數據通信服 務						58,990,261	53,989,462	57,977,556	58,543,976
合 計 (元)	2,461,568,280	1,937,702,698	1,622,958,922	1,561,376,874	1,346,117,037	883,786,412	883,010,690	894,321,443	847,655,730

National Communications Commission (NCC)

National Communications Commission (NCC)

Conclusion

Significant Reduction of the Digital Divide

Nationwide Connection

♦All remote areas have broadband internet service

The Next Phase : Broadband Service for Tribal Habitats

 Provide aboriginal tribes broadband data communication service

Reference

- www.ncc.gov.tw
- Telecommunications Act (<u>http://www.ncc.gov.tw/English/news_detail.aspx?site</u> <u>content_sn=17&is_history=0&pages=0&sn_f=364</u>)
- Regulations on Telecommunications Universal Service (<u>http://www.ncc.gov.tw/English/news_detail.aspx?site</u> _content_sn=66&is_history=0&pages=1&sn_f=99)
- The Process of Extending Broadband Internet Coverage to Every Village <u>(http://www.ncc.gov.tw/chinese/files/07112/721_409</u> 2_071217_1.ppt)
- Internet Broadband Usage in Taiwan (Jan 31,2008) <u>(http://www.twnic.net.tw/download/200307/200307in</u> <u>dex.shtml)</u>

National Communications Commission (NCC)



Thank you for Your Attention!

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National Communications Commission