Motorola 3G Overview

Dr. Peng Ye
GM of 3G & New Wireless Carrier Operations
Motorola PCS China

March 2004





Business Risks Relating to Forward-Looking Statements



A number of forward-looking statements will be made during this presentation, both in the prepared remarks and in the answers to questions. Forward-looking statements are any statements that are not historical facts. These forward-looking statements are based on the current expectations of Motorola and there can be no assurance that such expectations will prove to be correct. Because forward-looking statements involve risks and uncertainties, Motorola's actual results could differ materially from these statements. Information about factors that could cause, and in some cases have caused, such differences can be found on pages F-33 through F-40 of Motorola's Proxy Statement for the 2003 annual meeting of stockholders and in Motorola's other SEC filings.

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Industry Convergence



Computer

- internet access
- electronic mail
- real time images
- multimedia
- mobile computing



mobilitywidebandservices

Media

- video on demand
- interactive video services
- TV/Radio/Data contribution
 & distribution

Telecommunication

- ISDN services
- video telephony
- wideband data services

Convergence to IP

3G - Value and Essence



3G technology brings a more natural and richer means of communications far beyond telephony - it touches every perspective of life, and offers users a completely new experience

Communication gets real

- Video telephone makes information real and natural
- Mobile life gets more personal
- Colorful life in your palm

Extreme entertainment

- Experience becomes richer during your breaks
- Spend your leisure time in a way you never could before

- Ultimate companion

- · Have it, enjoy it
- · Any time, any where
- More entertainment and increased productivity





Stream





Download and Play

Talk and See

3G In China: A Complicated Picture



• State's politic benefits:

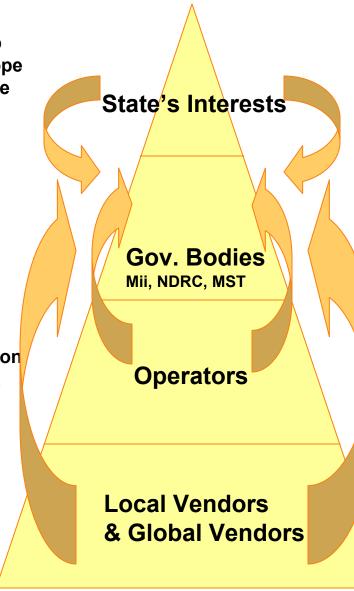
- balance of relationship between U.S. and Europe
- ➤ balance of foreign trade
- > stable employment of operators
- > 3G IPR

China Mobile and China Unicom:

- invested billions of \$ on GSM/GPRS, CDMA 1X
- > the later, the better

• <u>Datang:</u>

- major local player in TD-SCDMA
- > the later, the better



· State's financial benefits:

- protect all operators' interests
- ensure local vendors' 3G profits & market share
- Under valued local currency pressure

China Telecom & China Netcom:

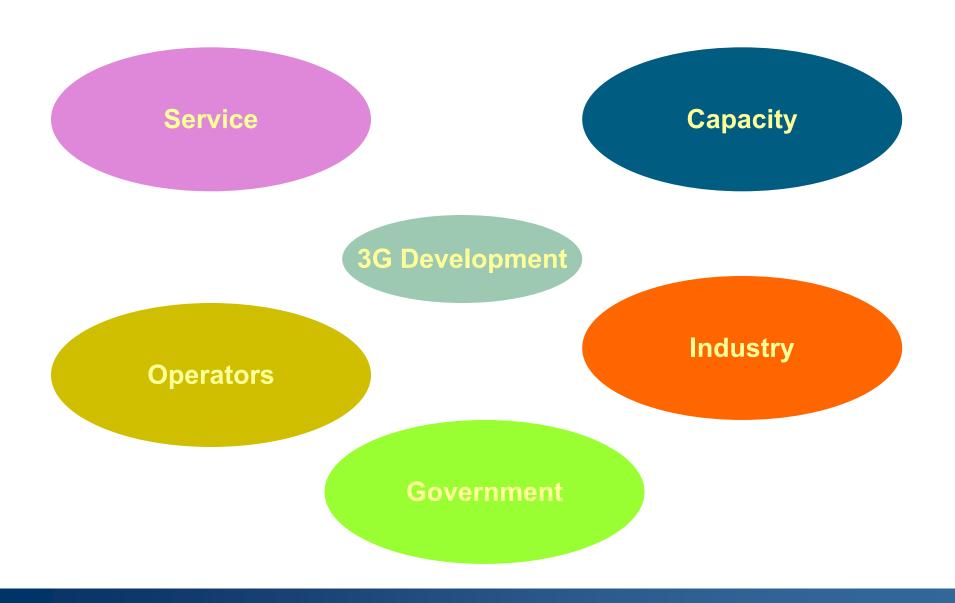
- no wireless networks yet, flat revenue growth from fixed line services
- > The sooner, the better

HuaWei, ZhongXin:

- have invested hundreds of millions of \$ in WCDMA, CDMA2000
- Global vendors
 - > the sooner, the better

Drivers of 3G in China

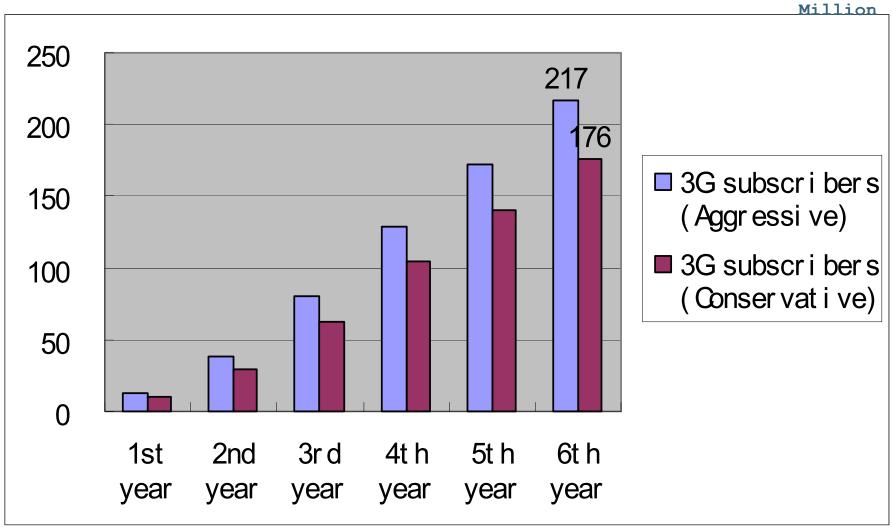




China 3G Subscriber Forecast



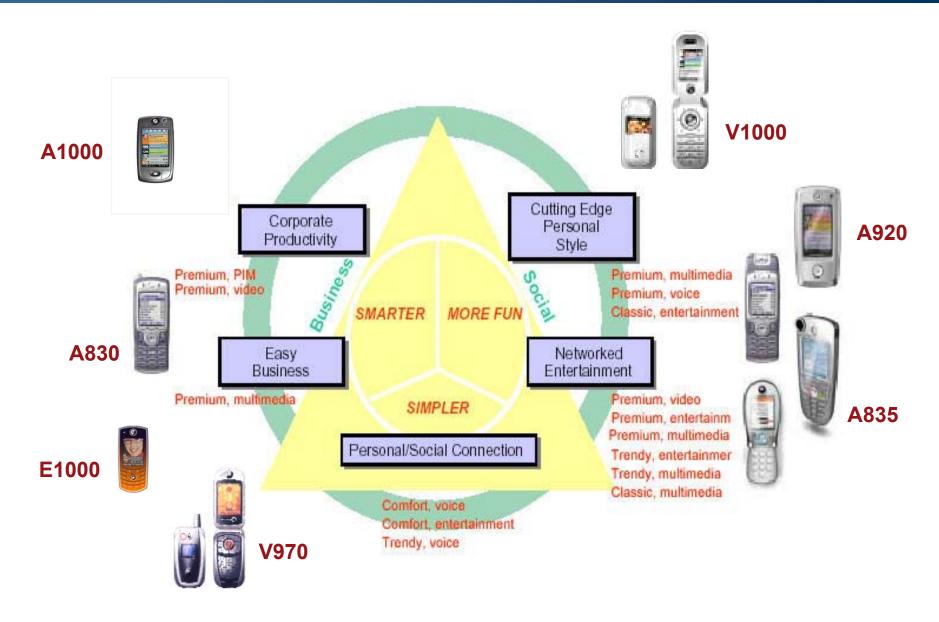




Source: MII report

China 3G is Coming Closer and Motorola is Ready





Motorola – Industry Leader in 3G Handsets



- Have shipped series of commercial, true tri-mode, 4band devices
 - A830 : Industrial standard driving IOT testing globally
 - A835 : A truly state of art, feature rich, Dual Mode, 3G Device
 - A PDA device with a large display for an exclusive customer
- Recognized with commercial contracts throughout the world
 - Resold by Siemens as the U10, U15
 - Supplied to 3 (Hutchison), Vodafone via collaboration agreement
 - other contracts
- Addressing important handset requirements
 - size, weight, cost, appearance, and battery life

Motorola Firsts in 3G Handsets



- The world's first 3G commercial mobile
- The world's <u>first</u> mobile with 384kbps downlink
- The world's first mobile with successful 2G-3G handover
- The world's <u>first</u> dual-mode, quad-band mobile
- Best battery life, download browser speeds and video refresh rates of any dual mode phone as benchmarked against competition
- Most comprehensive feature set, most compliant with 3GPP standard

















A830 A920/A925

)/A925 A8

A835

E1000

<u>V970</u>

<u>A1000</u>

V1000

Ship: Q4 2002 Ship: Q3 2003 Ship: Q3 2003

Current 2004 product plan

Motorola 3G Position in 2004



Motorola has significant experience in the market

- Motorola commercially launched 4 3G products in 2003
- Most competitors have yet to launch their first phone

Motorola is building on market proven platforms

- 2004 products will be on third generation silicon
- 2004 products evolve existing software platforms
- 2004 products will have improved manufacturability

Motorola will have a compelling 2004 portfolio

- UMTS portfolio will have high, mid, and low tier offerings
- Products will be "within 10%" of similar GSM phones size, weight, battery life

Motorola 3G Handsets Drive IOT of Global System Vendors



Top Choice in Support of Global Infrastructure Vendors IOT (interoperability tests) and Development Efforts

- A830 drives IOT with eight infrastructure vendors worldwide
- Handset capability is ahead of infrastructure capability especially in area of intersystem operation
- In MII-organized testing, completed IOT with 12 infrastructure vendors, including Chinese vendors Huawei, Zhongxin, UTStarCom
- Among 5 handset vendors tested, Motorola scored highest pass rates



















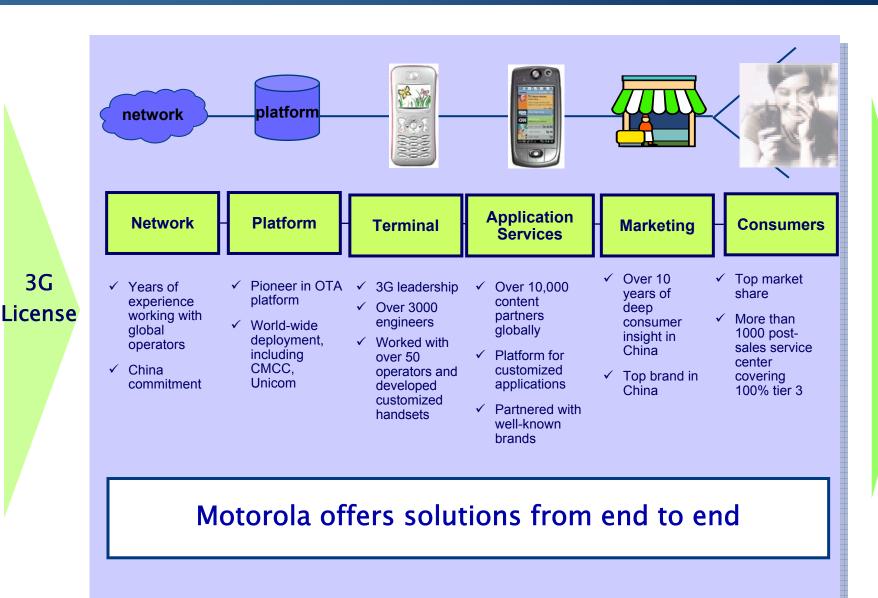
Motorola Leads in 3G Enabling Technologies



3G Services	3G Enabling Technologies		Motorola Advantages
Enterprise Accessing Email □□EMAIL, Corporate Databases □□□□, Customized Corporate Apps □□□□□□	-	Blue Tooth □□ Security □□/Encryption □□ Voice Recognition □□□□	
Infotainment/ Entertainment Music , Games , Video , Points of Interest, Ring Tones , Push Advertising	→	Multimedia Browsers	
Messaging Picture/Video Messaging	→	Displays □□□□ Multimedia □□□□□ Audio/Video Codec □□/□□□□□	
M-Commerce Financial Services, Stock Trades, Mobile Retail E-wallet	\rightarrow	Browsers □□□ Smart Card □□□ Internet Access □□□□□	
PIM Calendars □□, Unified Messaging □□□□, sync □□	\rightarrow	Security/Encryption □□/□□ Intranet Access □□□□□	

Motorola's Leadership in the service Value Chain





Solutions Beyond 2004



- Existing UMTS networks will provide excellent consumer experience
 - 384 kbps data access enables streaming, fast internet access
 - Operators will benefit from increased voice capacity of UMTS
- High Speed Downlink Packet Access (HSDPA) will raise the bar further
 - Data speeds of up to 3.6 Mbps possible
 - Continued blurring of lines between wireless and broadcast
 - Multichannel, high resolution solutions for both business and consumer user
- Motorola is already engaged in HSDPA handset development
 - Expect to see first rollouts in 2005 in Japan, additional rollouts in 2006

DoCoMo has pledged US\$344 million over 2 years (to end 2005) to Fujitsu, Mitsubishi Electric, Motorola Japan, NEC, Panasonic Mobile Communications and Sharp to support development of HSDPA Adapted from Cellular News Website: http://www.cellular-news.com/story/10349.shtml

Summary



- 3G is real today in many markets and will be in China
- Brings revolutionary changes to mobile life via new and innovative voice, multi-media and data services



Motorola is ready With proven leadership in 3G terminals

WCDMA

CDMA2000

TDS-CDMA







