





The e-Taiwan Program

The M-Taiwan Program

✓ The New Broadband Service-Convergence Network

✓ Conclusion







- World's 4th largest IT hardware production (Ranked 3rd as including production in China)
 - Ranked first in worldwide market share for more than 10 ICT products
 - A major procurement center for global companies
 - Dominates IT production in China
- 2nd largest LCD industry and 4th largest semiconductor industry in the world
 - 111% mobile phone penetration rate

Infrastructure in Major Countries

		96	97	98	
		Singapore One	IT in Education	Electronic Transactions A	Act Info
	95		97	98	99
	EC Working		Global EC	1 st Papart	2 nd Report
	Group		Framework	Report	eGovernmente Society
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		Information		guie	nerce@its.best.ukU
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				e-Government	e-Industry
1994	1995	Internet Use 1996	sers 1997	1998	1999
	MIC	EC Working Group 95 The S&T 94 95 MIC BAPI	Singapore One 95 EC Working Group 96 Information Society 95 The S&T Basic Law 94 95 MIC BAPI 94 95 MIC BAPI	Singapore One IT in Education 95 97 EC Working Global EC Framework 96 Building Information Society 95 The S&T Basic Law 94 95 MIC BAPI 96 97 3Year 3 Million NII Internet Users	Singapore One IT in Education Electronic Transactions A 95 97 98 EC Working Group Global EC 1st 96 Building the Information Society 98 95 Economy Modern Government 95 The S&T Basic Law Miller Proj 94 95 Cybe 94 95 Cybe 95 Star Basic Law Miller Proj

999 : Japan, Korea, Singapore launched major *e*-projects



- 1993 : Initiated NII (National Information infrastructu Guidelines
- 1996 : Initiated 3-Million Internet users in 3 years
- 1998 : Initiated *e*-Government Program
- 1999 : Initiated e-Business Program
- 2001 : Consolidated various agencies, Initiated NICI Guidelines
- 2002 : Initiated *e*-Taiwan Program
- 2004 : Initiated m-Taiwan Program







ICT Vision & Milestone

National Information & Communications Initiative Committee

2001/12

The Cabinet Approved NICI Guidelines





e-Taiwan & Challenge 2008





e-Taiwan Mission









e-Taiwan Reach 6 million broadband users in 6 years. Become the *e*-Leader in Asia.

Government initiates, everybody participates.

Infrastructure

million broadband users

• IPv6 Upgrade

broadband for small and



Faster, Cheaper, More Secured Netwo (Establish secured ICT environment Project) **Prevention Jovernment Agencies** on Mechanism etection & Aler **Critical** Emergency Report Infrastructure ack Attack Tele-Comm reat Banking Transportation er Public Safety erne 緊急應變 **BCP & DRP**





- Utilize Regulations to provide Faster, Cheaper, More Secured Network environment :
 - Deregulate Tele-communication and cable TV barriers
 - > Negotiate last mile issue,
 - Establish NCC to monitor 'Information & communication related regulations.
- Build solid environment to promote killer application and better digital content
 - Application on Digital Entertainment and Digital Learning









 Faster、 Cheaper、 More Secured

 Network

Broadband to 6 million Family

Establish National Network Secur



e-Government Projects

National Information & Communications Initiative Committee







pply Chain Management

- mplement quick response
- ystem
- onsolidate international
- upplier information
- uild supplier chain system

International Cooperation

centralize *e*-Market portal
 develop various *e*-Standard
 join international supplier chain

Make Chinese Taipei the center of value-added manufacturing and Image online(26 ⇒ 60%) e-Commerce (1.5 ⇒ 15%) of GDP e-Service(total revenue US\$2 ⇒ 10 billion)

R & D

cultivate R&D groups
coordinate design effort
develop IP Mall

Support & Services

effect monetary system
strengthen customer supp
assist service industry





e-Industry Goal

- Create an environment for industrial automation and electronic business
- Build an efficient supply chain management network to optimize the supply and demand mechanism
- Assist industries to set up global logistics system to boost competitiveness

e-Industry Strategy

- Develop standards and technology to build a sound e-business environment
- Set up a model system to reinforce industrial demand and suppl coordination
- Provide incentives to build an IT talents cultivation mechanism















Bridging SME Divide





Bridging International Divide





- 1. Provide Digital TV Signals & reception device to Rural Areas.
- 2. Provide PCs to Student Families in Rural Areas.
- 3. Connect Broadband Network to All Villages.
- 4. Establish Digital Opportunity Center in All Coun
- 5. Support SME Develop EC.
- 6. Promote High Value Agriculture Products With B
- 7. Support DOC in 6 APEC Economies.
- 8. Train Int'l Trainers & Professionals.











Culture online

- >establish national archive system
- capitalize social, cultural, industrial & economic
- development.

e-Learning

 accomplish personalized Chinese learning network
 use *e*-learning to realize information-rich society

To realize a society - rich in knowledge, culture, entertainment and learning opportunity to ALL

-Transportation

- intelligent traffic control
- > ITS platform & system
- > traffic safety system
- > smart bus & IC card
- > transportation service network

e-Entertainment

- build *e*-Entertainment environment
- advance digital entertainment quality



Moving Forward and Beyond

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High Tech Service Island (Broadband to 6million family in 6 years, and the most e-Nation in Asia)

e-Taiwan & m-Taiwan

econd Phase : From the "user" oint of view, expand the degree of pplication (2005)

- 2003/10 [¬] Challenge 2008 : National Development plan Yearly report _ comments from Pri minister
- 2004/12 [¬] Challenge 2008 : National Development plan Routine meeting 」 meeting conclusions

e-Taiwan (2002/5)

First Phase : Build ICT Infrastructure and provide Government service on-line



Predicted Benefits

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Economy

- create 20,000 jobs
- total e-Service revenue US\$10 Billion
- industry online 60%
- e-Commerce is 15% of GDP

IT Application

5 e-Government (WEF/NRI) 5 e-Society (WEF/NRI) 10 e-Industry (WEF/NRI) Public Services

bring 600 services online
 G2B2C document exchang up by 55% in 5 years
 satisfaction level reaches 75

Infrastructure

Internet users reach 50% of population
broadband users reach 35% of population
overall country bandwidth reach 1,150Gbps



- **Strong governance to form a broad national** *vision.*
- The success of e-Taiwan Program relies on a reliable solid broadband Infrastructure
- e-Government as a pilot to lead the information society.

M-Taiwan and the FTTH Broadband initiative



wi-lawan vision

National Information & Communications Initiative Committee



y where, any time, any one to enjoy Broadband/Wireless services





Project	Action Items					
Construction of Broadband Pipeline	 Deploy Telecomm. Pipeline by the Government, providing leasing services to Fix Network, CATV and Cellular operators. Broadband access operators can deploy fiber based on user demiand 					
Promotion and Development of Mobile-Taiwan Applications	1.Mobile service	□ Mobile service in demo hot spot				
	2.Mobile Life	Potential killer applicationsCommon service platform				
-ppncations	3.M-Learning	 Integration of training program, provide talent for application development Life-long learning Promotion to potential users 				
	4.WLAN- Cellular Dual Network	Business ModelRegulation	□Handset and Application □Service Trial			
	Integration					

In The I alwant Diodabana where ss Environment

30 Billion NT\$ _____ Tornation & Communications Initiative Committee



Broadband Initiative of Challenge 2008

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Chinese Taipei: 7 Million House Hold and 22.6 Million of Population

T's FTTx Target: 0.3M subscribers by 2005, 1,0M by 2007, 2.4M by 2



Integration of Services

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Killer Applications: VoIP, Content-on-deman WLAN TV, on-line game, etc.

WLAN Roaming in Campus



New Policy for Broadband Service

- Relax the tech. guideline and requirement for the fixed network operators
- Provide encouragement for CATV and power line owners to invest in broadband in future Fixed Network licensing process.
- □ Revise the National Numbering Plan to allow number allocation for fixed/wireless VoIP services.
- Develop a fair competition environment (in regulation) for telecomm business, including number portability, fair interconnection, co-location, and tariff.
- Note: The formal policy statements on Nov. 1, 2004 from the Cabinet are in Chinese the above translation/interpretations are not official.





Wireless LAN Roaming Center

Summary Remark on m-Taiwan

- Chinese Taipei's Program on NICI:
 - **Starting from e-Taiwan, moving toward M-Taiwan**
- WLAN, WiMax, WLAN/Cellular Dual Mode Services/handset, are the key technologies chosen for e Taiwan's infrastructure
- □ Voice/Video/TV/Multimedia Content over IP will become more and more important;
- □ Fixed/Mobile converged services will become popular
- □ All the operators and the telecomm. vendors are expected to enjoy significant growth
- Wireless City like Taichung will benefit from the deployment



Item Description	2002	2003	2004	2005	2006	2(
dband Subscription	2.10M	3.04M	3.80 M	4.60M	5.30M	6
ustry (WEF/NRI)	# 18	#21	#14	#12	#11	#
vernment (WEF/NRI)	#4	#6	#6	#6	#6	#
iety (WEF/NRI)	#9	#17	#9	# 8	#6	#
vernment Satisfaction	37%	43%	60%	65%	70%	75

WEF/NRI : World Economic Forum / Network Readiness Index



Thank You for Your Attention

