



Taiwan's Strategy and Policy Toward Developments of Communication Industry

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CLUB Outline

Introduction

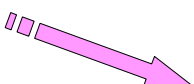
Industry Status

Government Policy

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Introduction

- Guiding Principles of Ministry of Economic Affairs (MOEA), Taiwan
 - International Competitive Advantage Investment Policy
 - Innovation-led Industrial Policy
 - Development of Key (Trillion NT\$) Industries
 - Communication
 - Semiconductor
 - Image Display
 - Digital Content
 - Biotechnology



**How?
When?**

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Industry Status

Communication Manufactures

Telecom. Services Revenue

Taiwan's 3G License Status

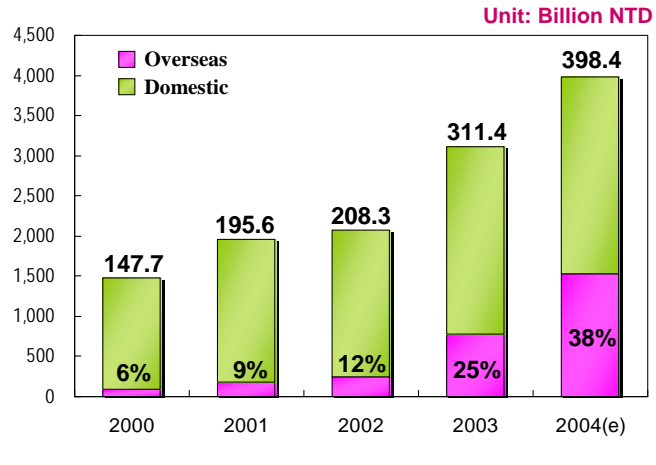
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Communication Manufactures (1)

Industry Status

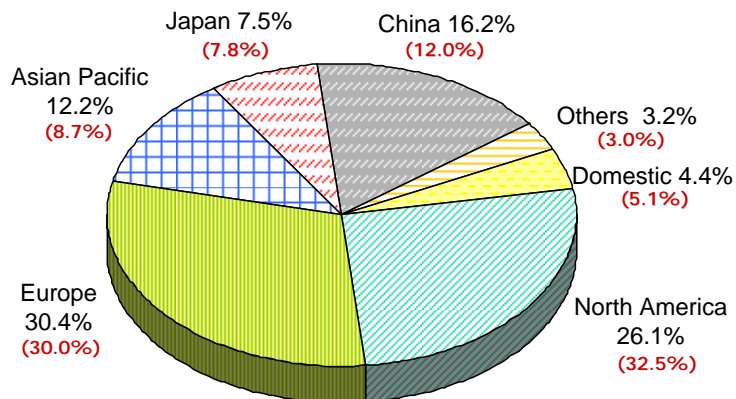
Domestic and Overseas Production



Communication Manufactures (2)

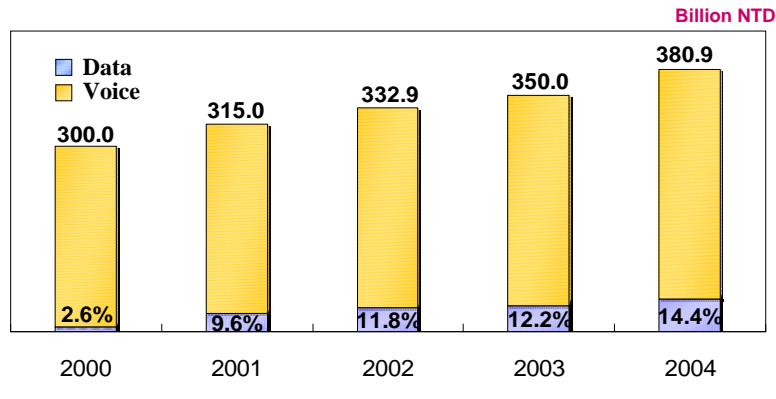
Industry Status

Export Percentage by Region (2004)



(): Volume % in 2003

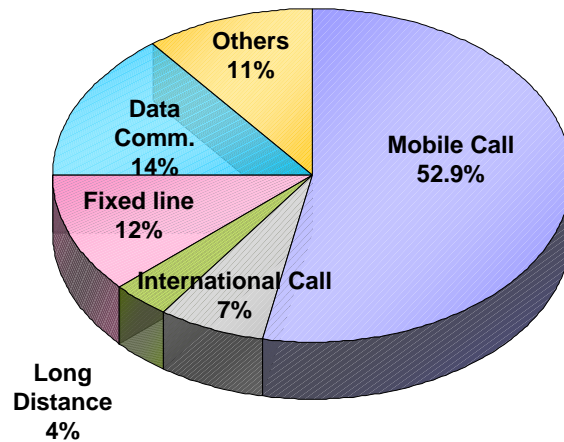
Data and Voice Revenue



Source: IEK, ITRI (2003/11)

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Revenue Percentage by Service (2004)



Source: IEK, ITRI (2003/11)

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Taiwan's 3G License Status

Industry Status

License	A	B	C	D	E
Operator	Far EasTone	Vibo	Taiwan Cellular	Chunghwa Telecom	Asia Pacific
Bidding Price (NT\$b)	10.2	7.7	10.3	10.2	10.6
System	WCDMA	WCDMA	WCDMA	WCDMA	CDMA2000
Frequency	IMT-2000 Band	IMT-2000 Band	IMT-2000 Band	IMT-2000 Band	IMT-800 Band
Core Network	Ericsson Nokia	Ericsson Motorola	Nokia, Siemens	Nokia	Nortel
Payment for Core Network (NT\$b)	Ericsson-2.055 Nokia-1.714	Ericsson-Motorola-5.0	Nokia-2 Siemens-4.9	16.4	3.7
Schedule to Start Services	July 2005	4Q 2005	2005	3Q 2005	July 2003

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Government Policy

National Telecom. Program (NTP)

MOEA Tech. Dev. Program (TDP)

Wireless Promotion Office

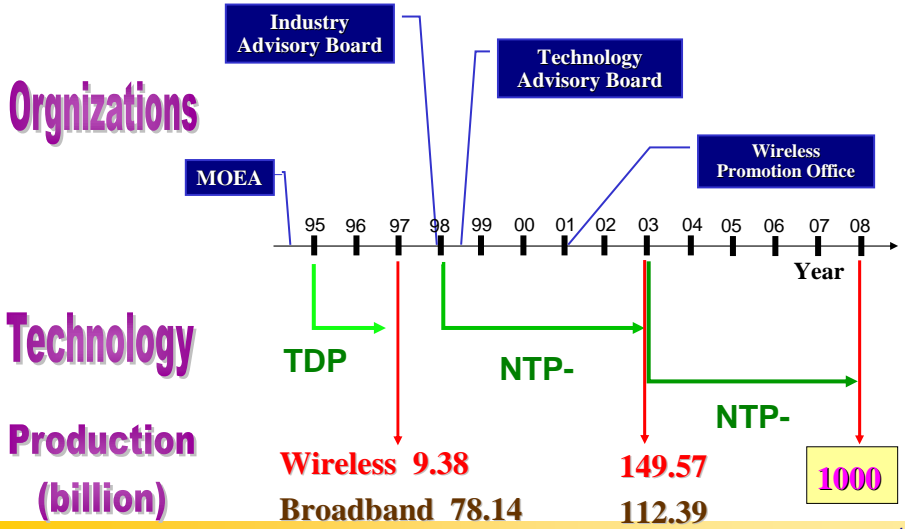
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National Telecom. Program (1)

Government Policy

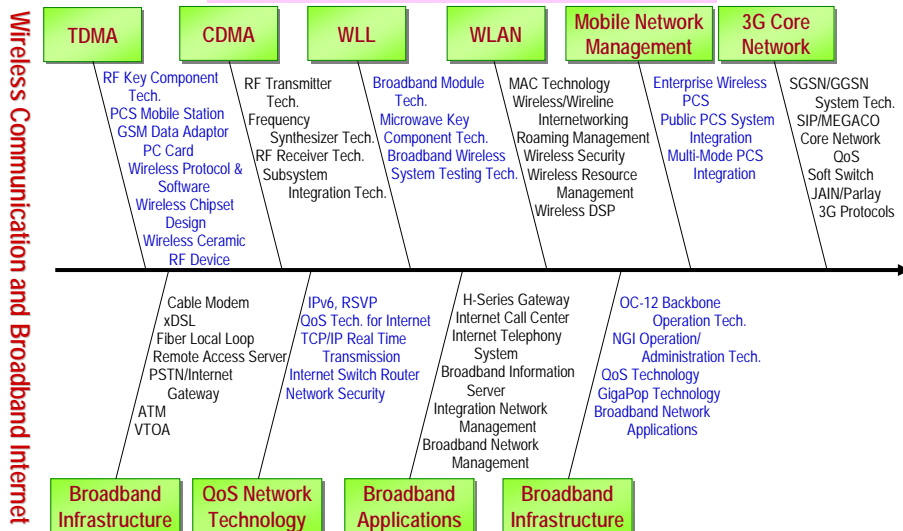
Technology & Production Developments



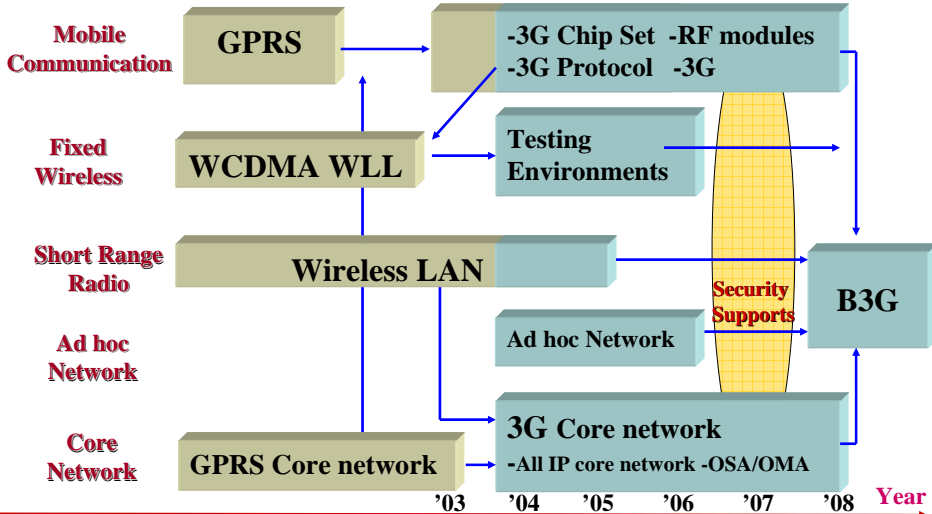
National Telecom. Program (2)

Government Policy

NTP-I Core Technologies Roadmap



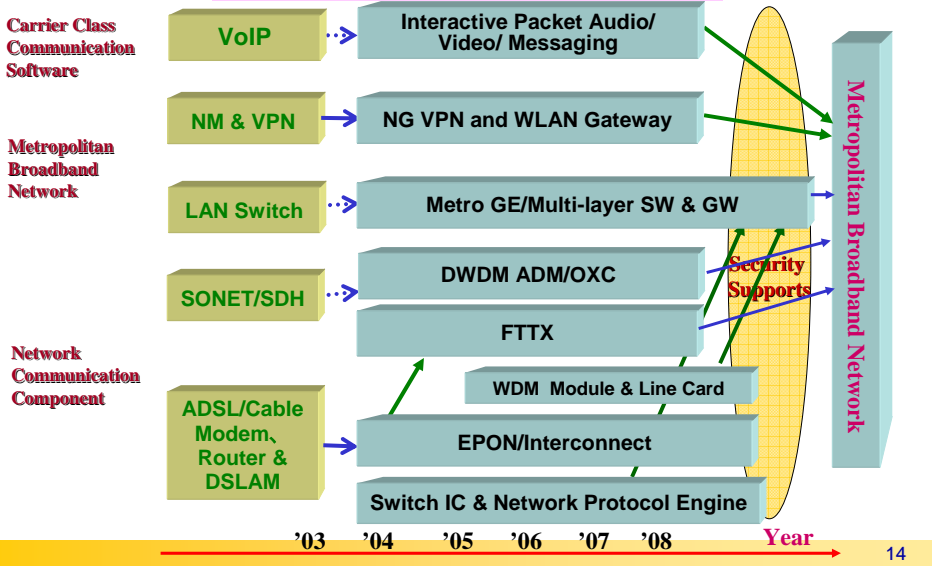
NTP-II Wireless Technologies Roadmap



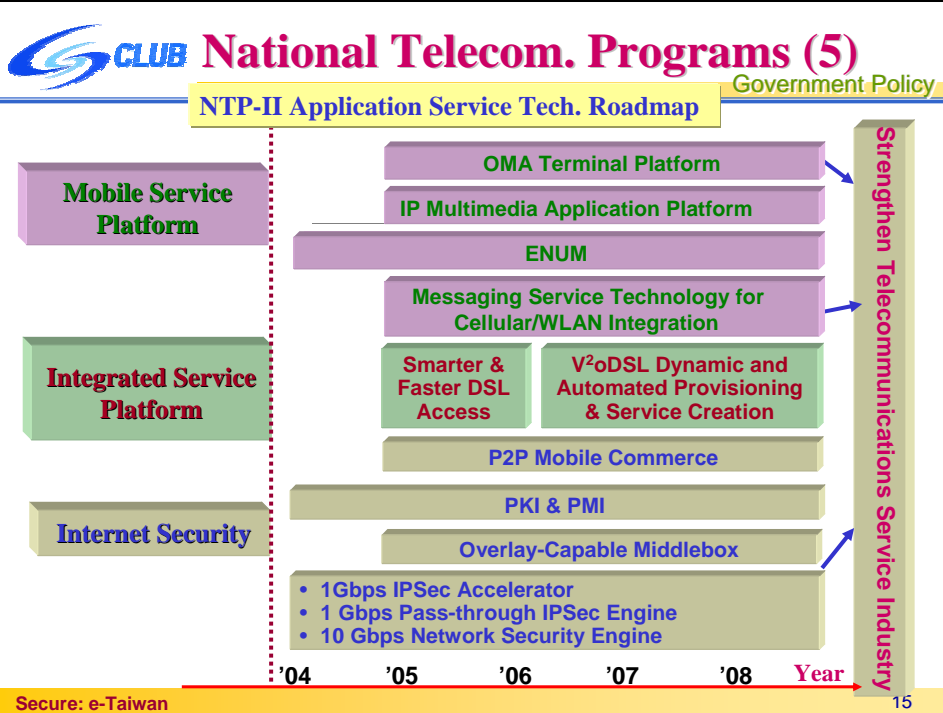
Source: NTPO, Taiwan

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NTP-II Broadband Technologies Roadmap



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CLUB MOEA Tech. Dev. Program (TDP) Government Policy

- Fundamental Research: Major Universities
- Applied Research: Research Institutions
- Development Research: Enterprises

Website: <http://doit.moea.gov.tw>

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Wireless Promotion Office

Government Policy

Objectives

Promotion of Government's Policy on Communication Industries

Policy

R&D Alliance, R&D Center , Global Cooperation

Industries

Wireless, IC, Optical , IT, SoC

Function

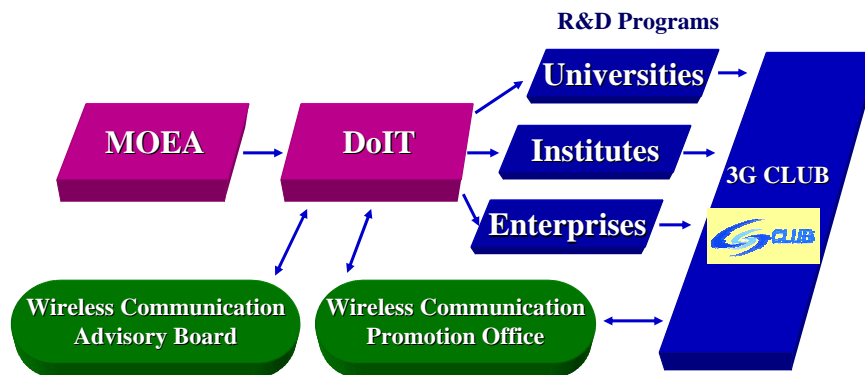
Channel for Government, Enterprises, and Academic & Industrial Research Organizations

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Tech. Development Organizations

Government Policy

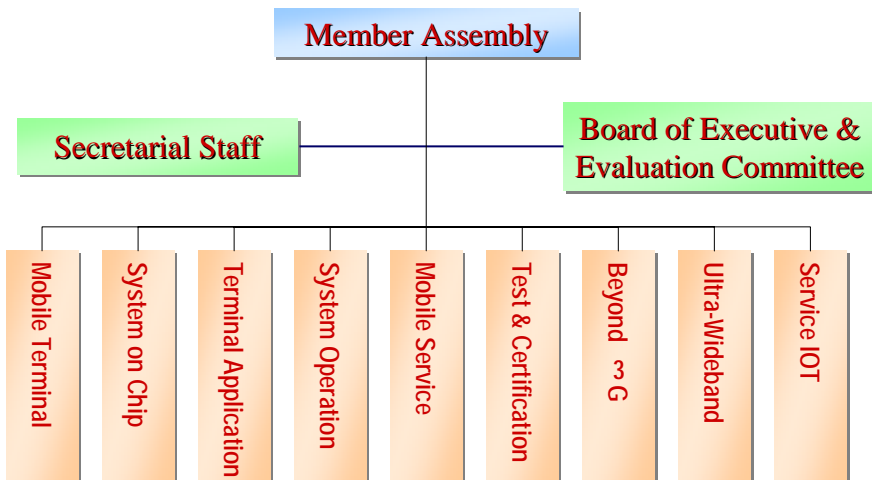


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3G CLUB & Special Interest Group

3G related R&D Alliances



Purpose & Types of R&D Alliance

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Purpose :

To Gather Manpower and Funds from Private Sector to Invest Common Research Interest

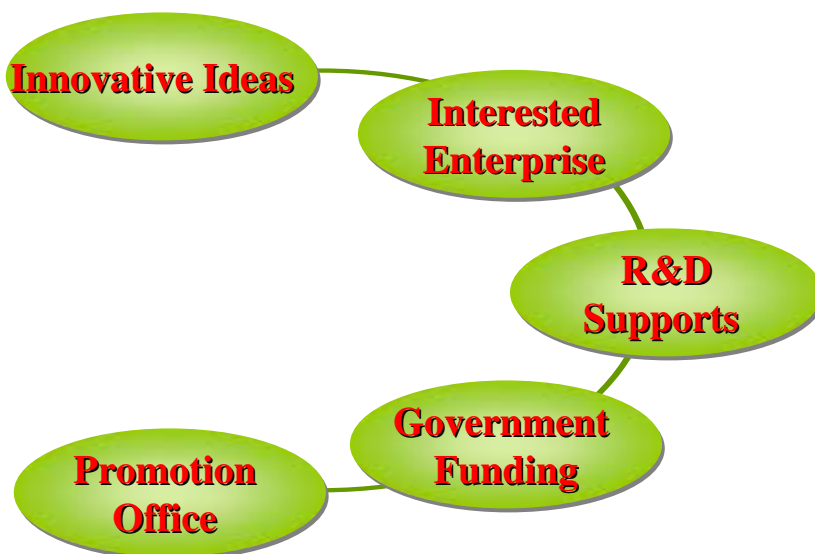
Types :

- Vertical Enterprises
- Horizontal Enterprises

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Successful Factors for an Alliance

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- Handset Application Platform
- SoC Development Platform
- Network Integration Platform
- Mobile Services Platform
- Services Interoperability Test
- More...



THANKS !

