

Japan's Policy Initiatives on R&D and Standardization for NGN

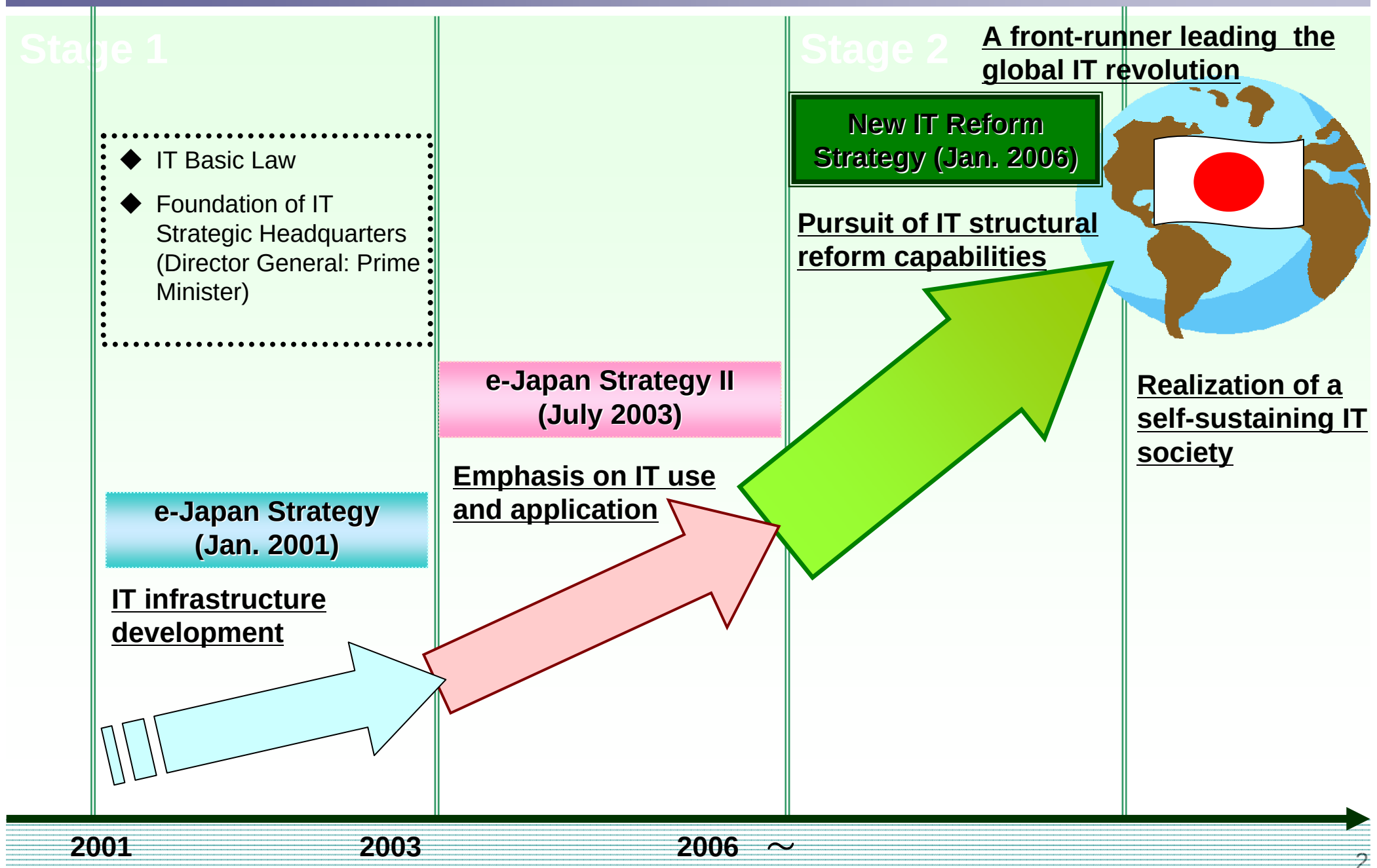
TANAKA Hiroshi

Director of Standardization Division

Ministry of Internal Affairs and
Communications (MIC), Japan

1. Information and Communications Policy in Japan

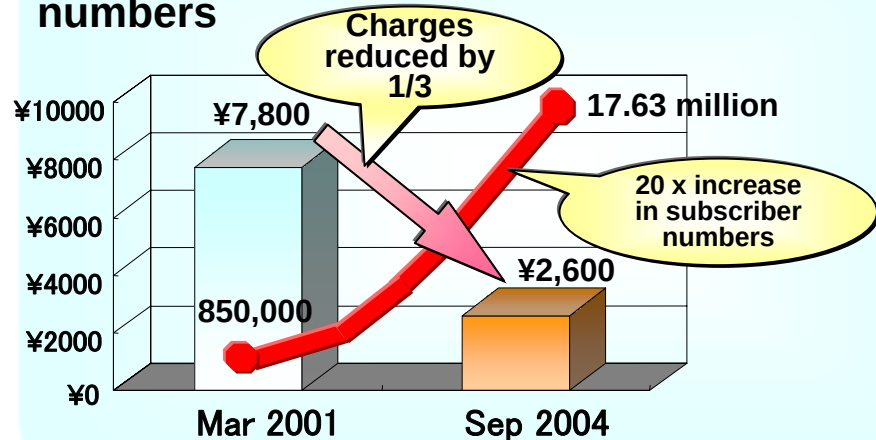
The Progress of Japan's IT Strategy



Achievements of the e-Japan Strategy

Infrastructure

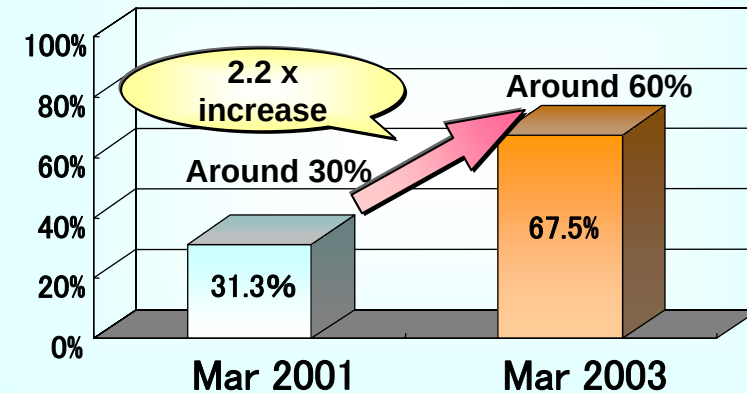
◆ High-speed Internet charges and subscriber numbers



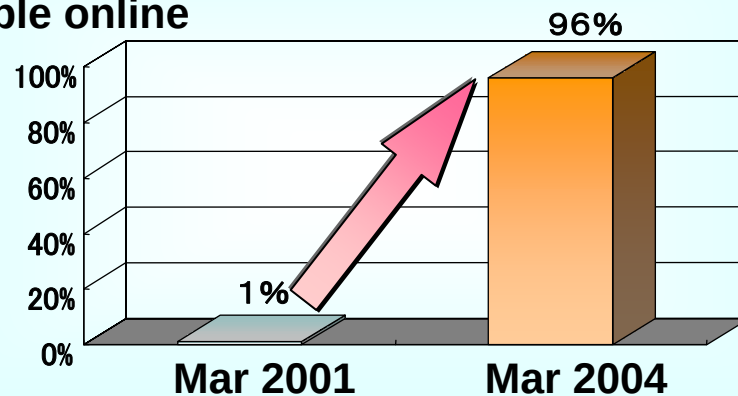
* Fees = monthly DSL charge; Subscriber numbers = total for DSL, CATV and FTTH

Daily life and training

◆ Public schools with websites

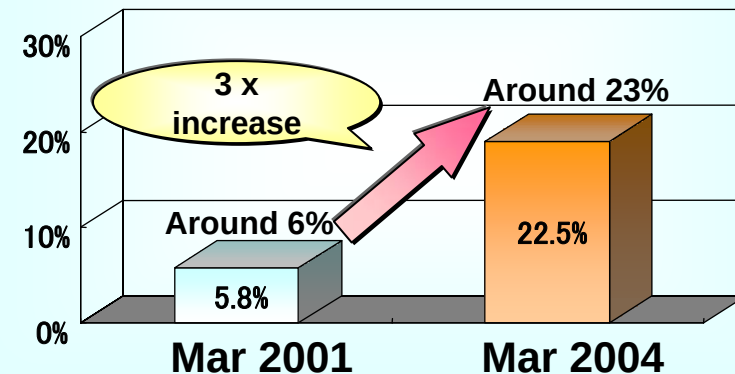


◆ Government applications and notifications available online



e-government

◆ Internet trading as a proportion of total share transactions



e-commerce

* Based on value of sales

Ubiquitous Network Society

u-Japan Policy

100% of the population can access broadband services.

Development of ubiquitous networks

International Cooperation

More than 80% of the population can appreciate the role of ICT in resolving major issues.

Enhancement of ICT applications

Promotion of ICT R&D (UNS Strategy)

More than 80% of the population can feel safe in using ICT.

Improvement of environment for the use of ICT

2. R&D and Standardization

Based on the goal “to become the world’s leading ICT country by 2010”, it is important to promptly create an infrastructure to realize the next-generation IP network.

Current Situations

- ◆ Rapid growth in IP services
- ◆ Clarify the IP transition policies of telecommunication carriers
- ◆ Activate the introduction of IP telephony in overseas countries

Issues in realizing a total IP telephony

- ◆ Securing quality and features
- ◆ Securing safety and reliability
- ◆ Securing interoperability

It will be necessary to set up and carry out the following action plans to realize IP telephony

Promote interoperability

Start up an integral promotion system with the cooperation of related organizations.

Review the systems

Carry out necessary technical aftercare aimed at 2007.

Respond to international standardization

Firmly promote activities in acquiring international standards from Japan.

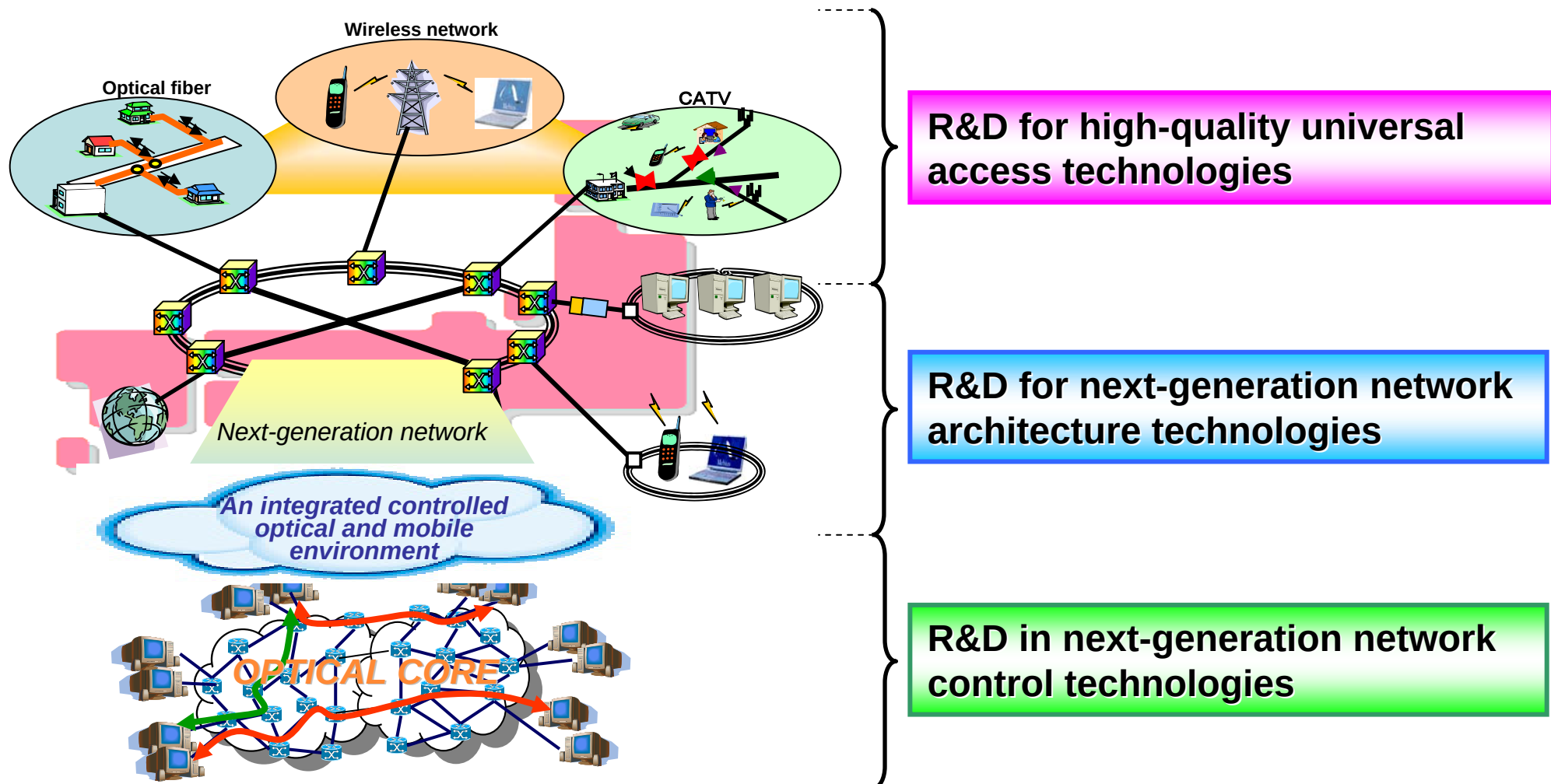
Promote R&D

Conglomerate academic, industry and government resources to promote R&D in fundamental technology and the like.

Others

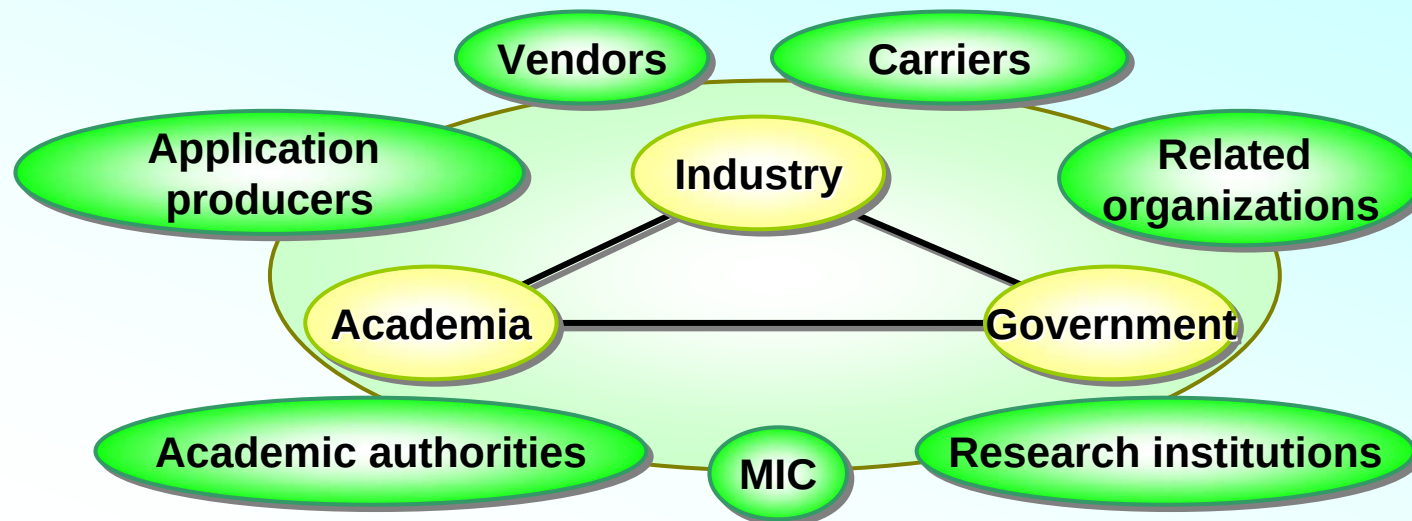
Support transition to IP telephony.

To maintain and reinforce technological precedence in Japan, which realized one of the foremost global broadband environments, and promote technical R&D that will be the foundation for next-generation networks.



Next-Generation IP Network Promotion Forum

Chairman : Dr. T. Saito (Prof. Emeritus, Univ. of Tokyo)
Vice Chairman: Mr. R. Yamada (Senior Executive Vice Pres. , NTT)
Dr. Y. Ito (Senior Executive Vice Pres. , KDDI)



Technical Standards/Testing Group

Chairman: Prof. S. Goto
(Waseda Univ.)

- Study of technical standards
- Interoperability testing

R&D/Standardization Group

Chairman: Prof. K. Asatani
(Kougakuin Univ.)

- Promotion of R&D
- Standardization of NGN

Planning/Promotion Group

Chairman: Dr. Y. Matsushima
(NICT)

- Planning strategy to promote NGN

○Promotion of international pilot project for Asia

1. Promotion of comprehensive and general project for specific countries
2. Verification of joint experiment and interoperability for plural countries

○Promotion of fixed research and development for the next generation

- Research and development for basic architecture of the next-generation IP network

○Strategic approach for international standardization

- Strengthening of framework of study for decision of individual strategy

○Decision of master plan for broadband/IP network construction, etc.

Thank you very much!

