

Qualifying, Quantifying, and Meeting the Challenge of Internet Access Cost

Development of the Access Environment in Japan and
Future Policy Themes

2nd IGF Meeting

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KIYOSHI MORI

Vice-Minister for Policy Coordination

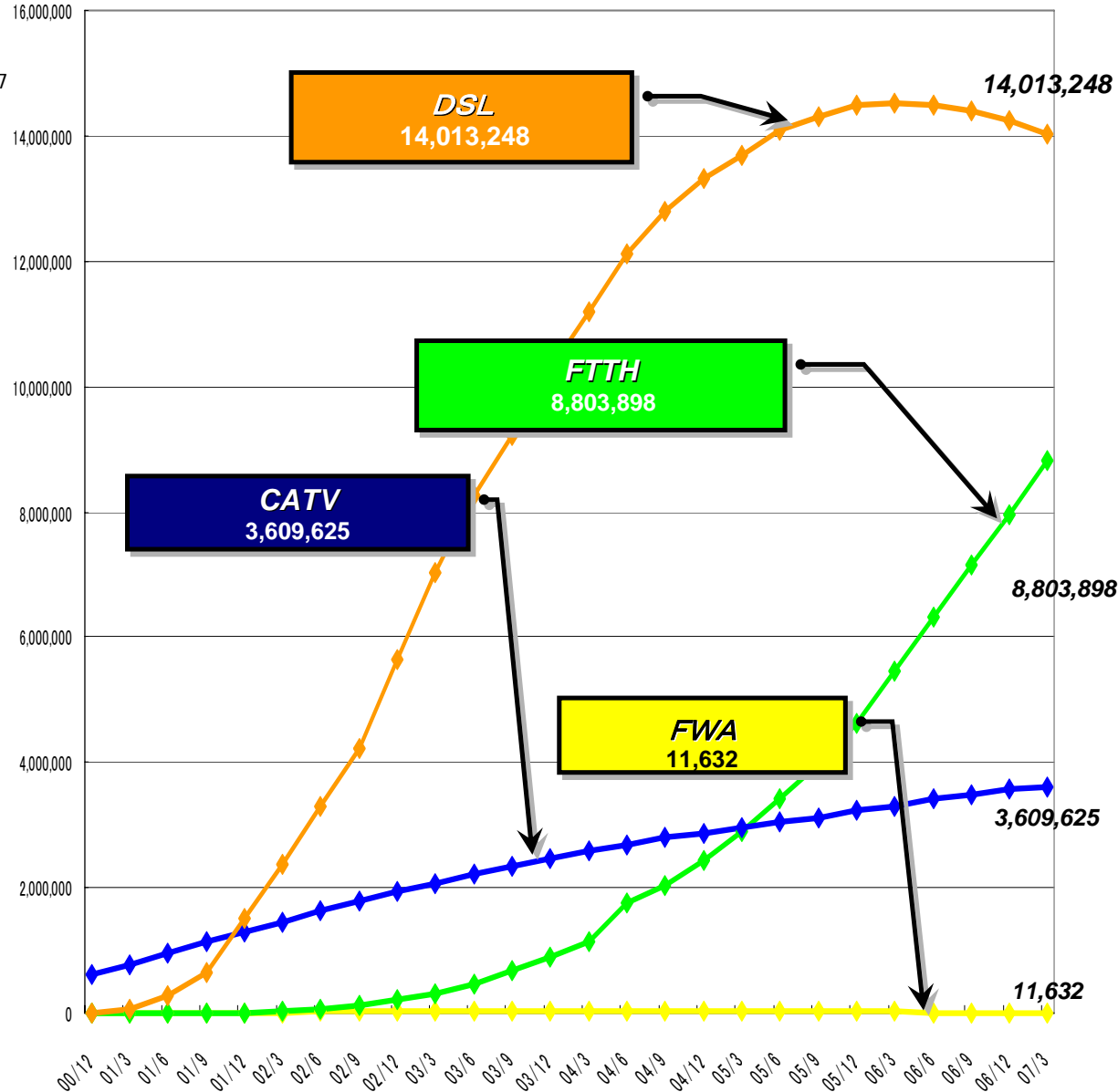
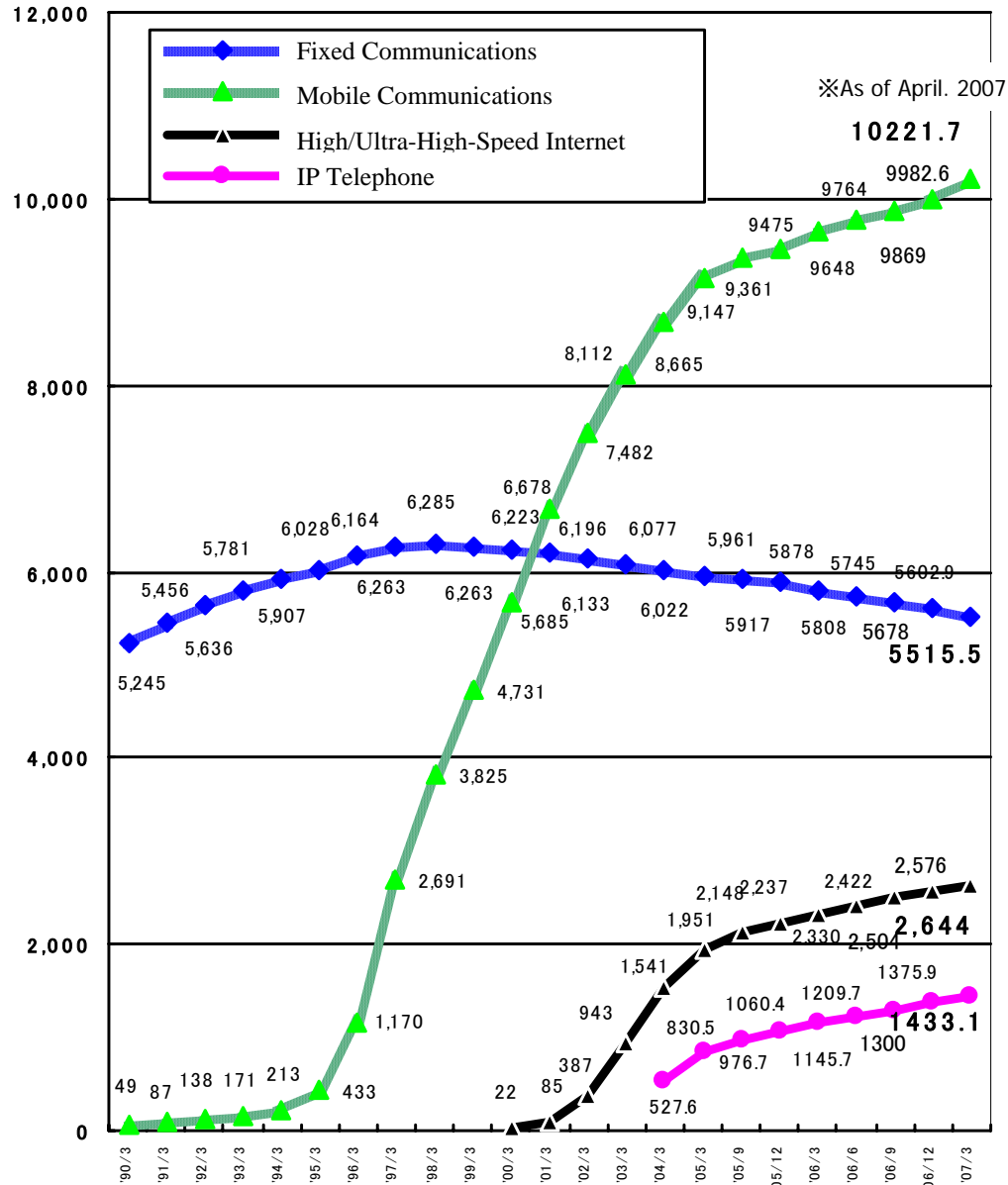
Ministry of Internal Affairs and Communications, JAPAN

Transition in the Number of Japan's Broadband Subscribers

【Number of Telecommunication Service Users】

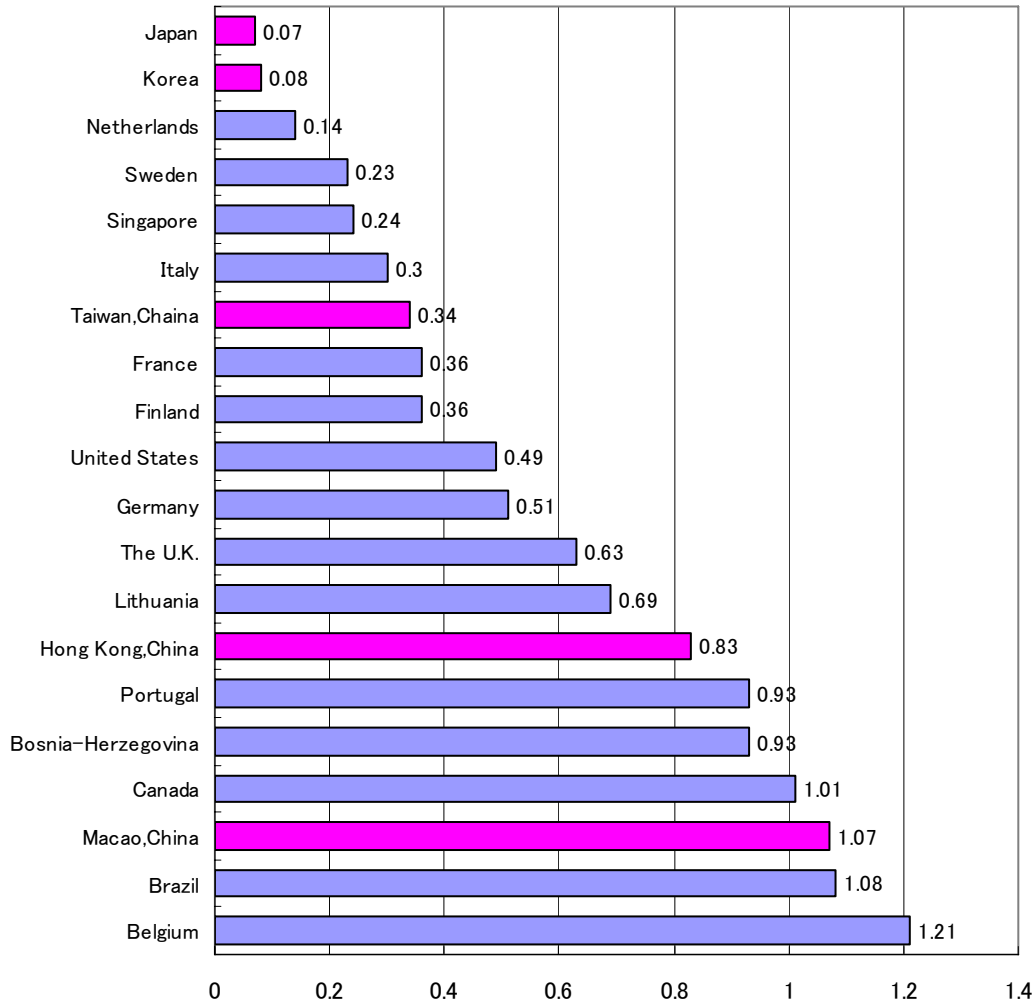
【Number of High/Ultra-High-Speed Internet Service Users】

(Unit: 10 thousand)

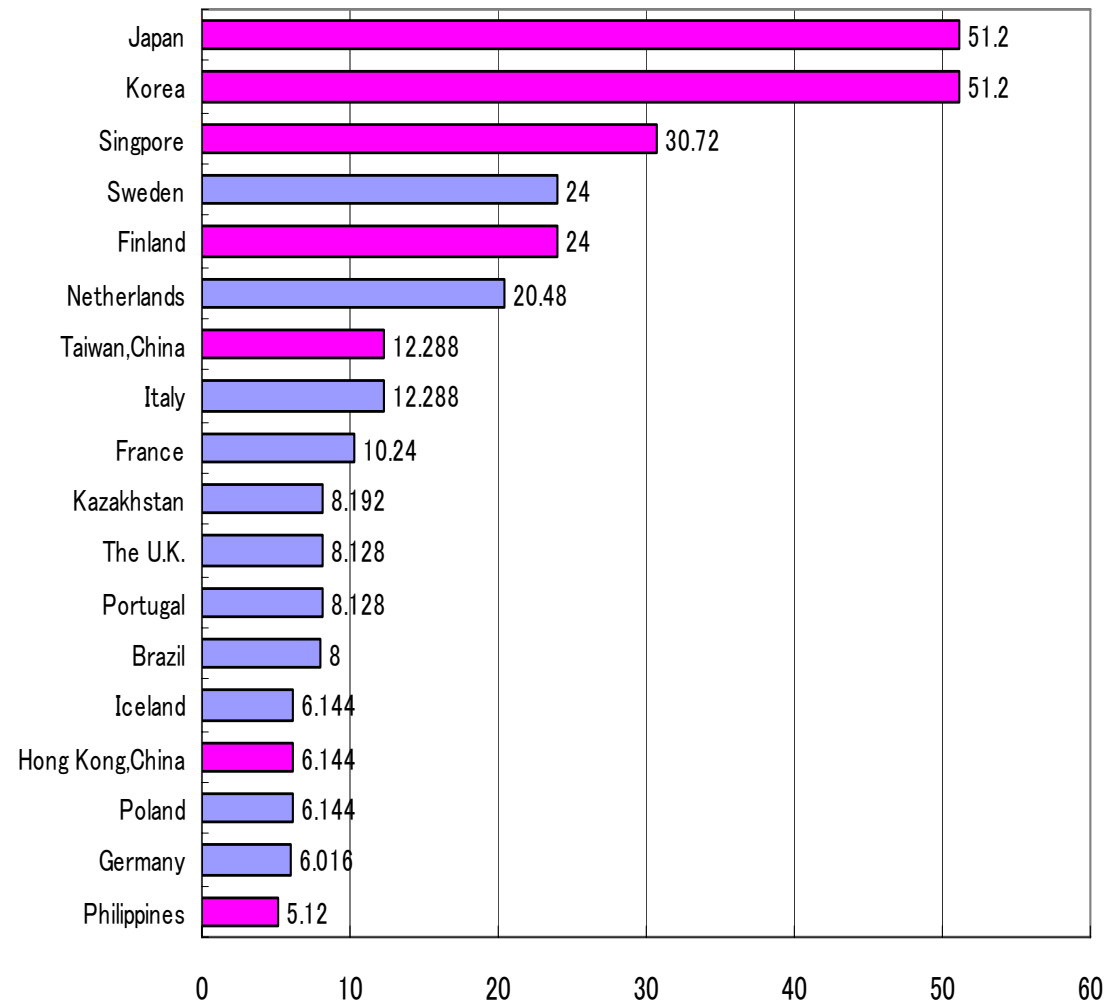


Japanese Broadband Service in Global Comparison

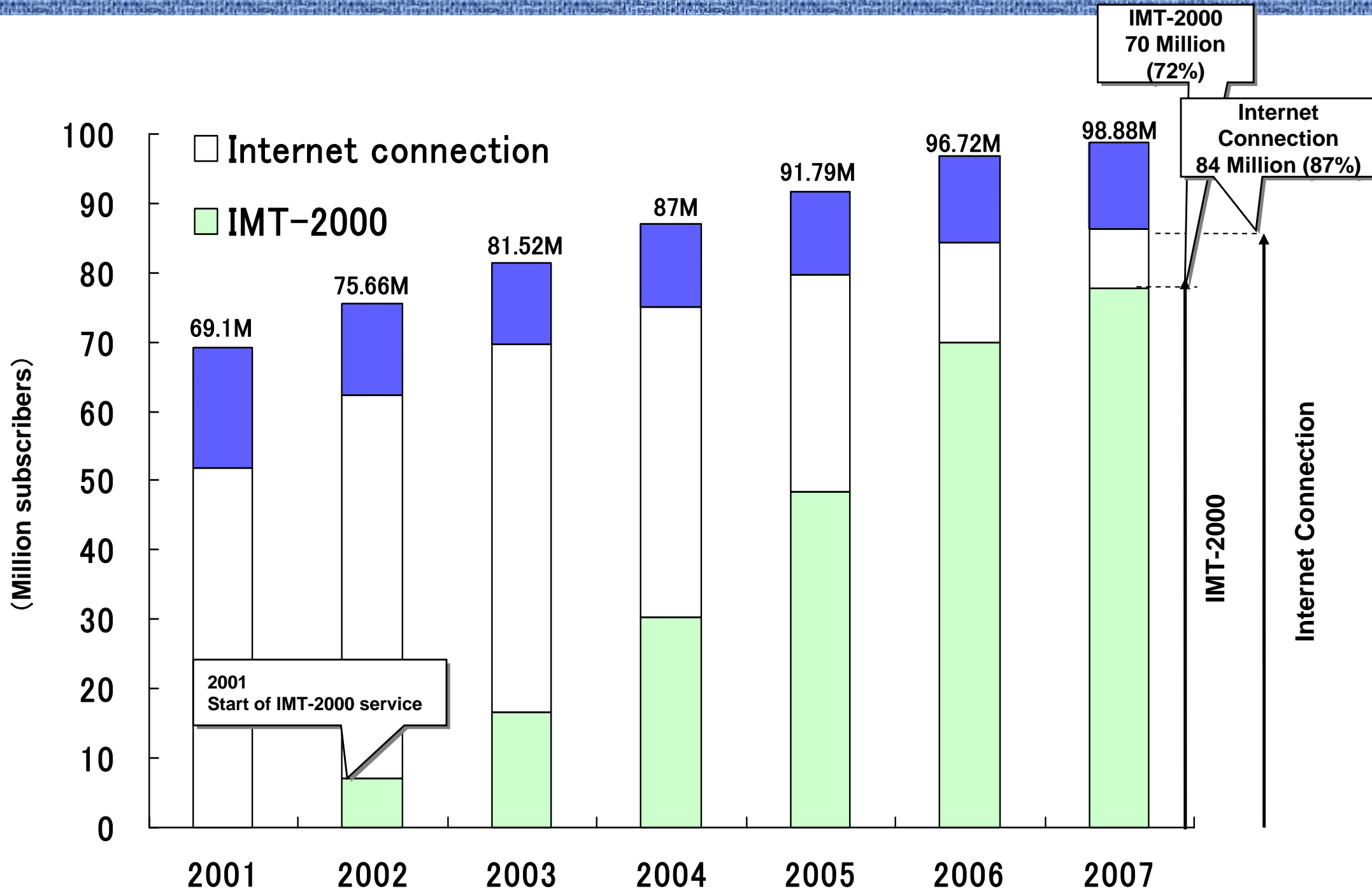
Broadband prices (100kbit/s) (US dollar)



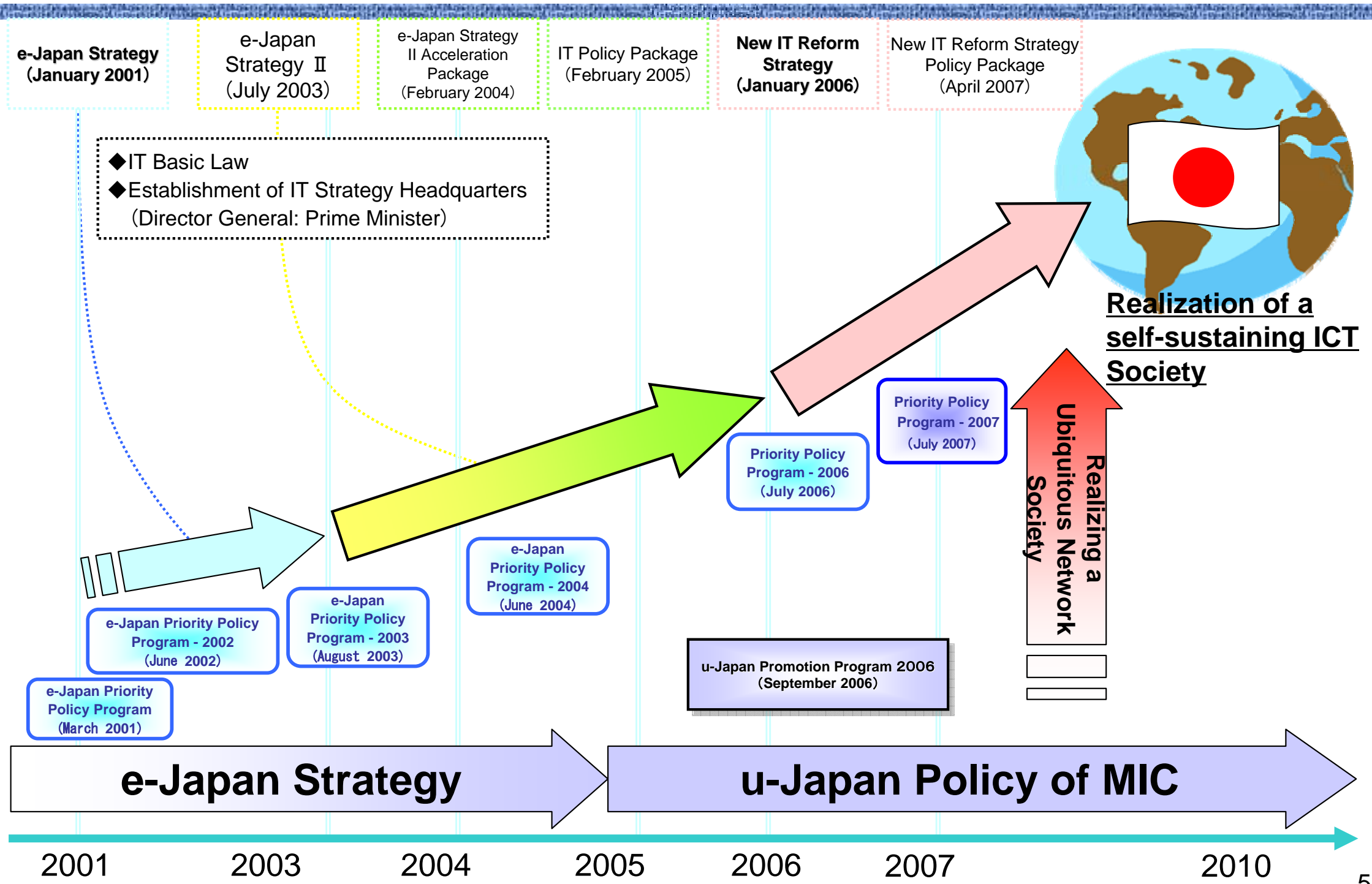
Speed of DSL (Mbit/s)



Mobile Phone Users in Japan



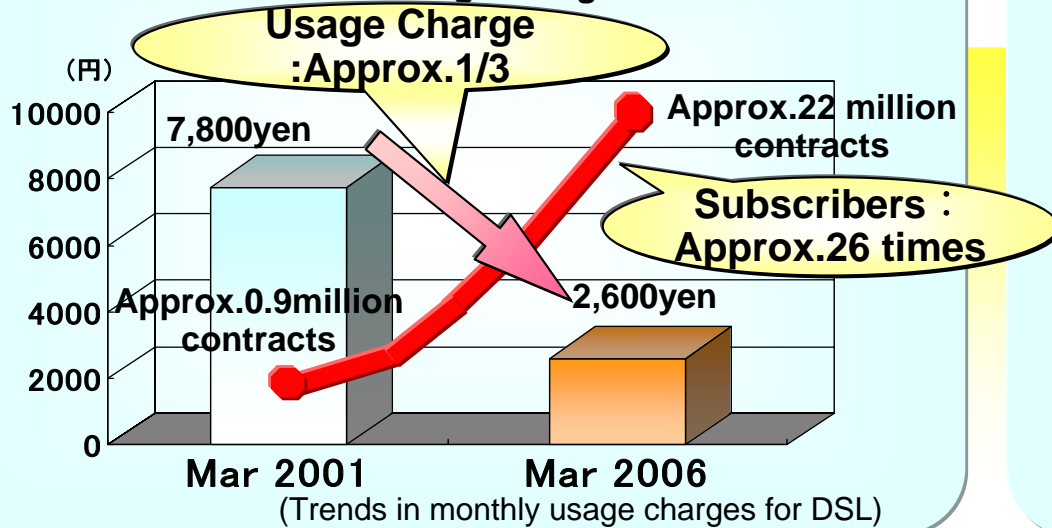
Steps Taken in Japan on ICT Strategies



Results of e-Japan Strategy

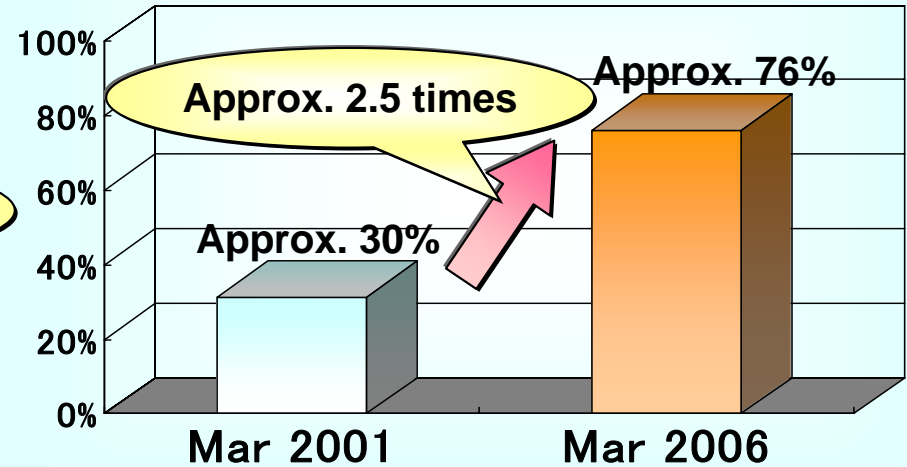
Infrastructure

◆ Trends in broadband usage charges and contracts



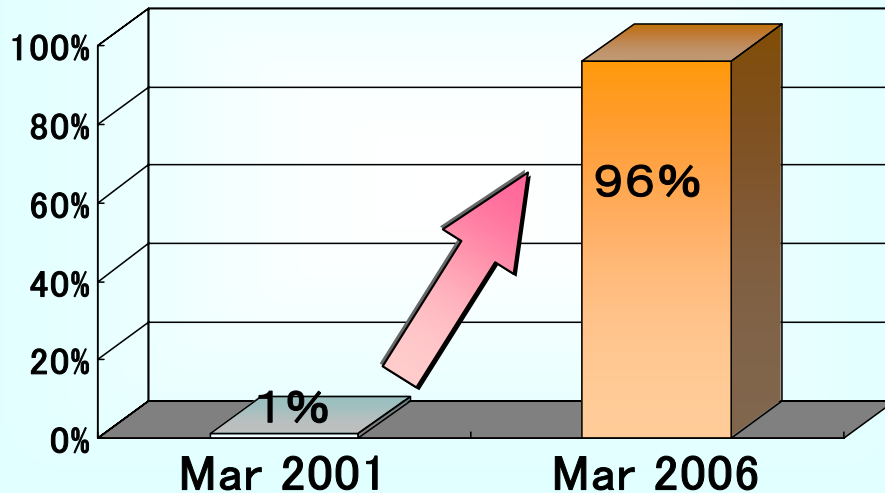
Life·Human resources

◆ Rate of HP publishing in public schools



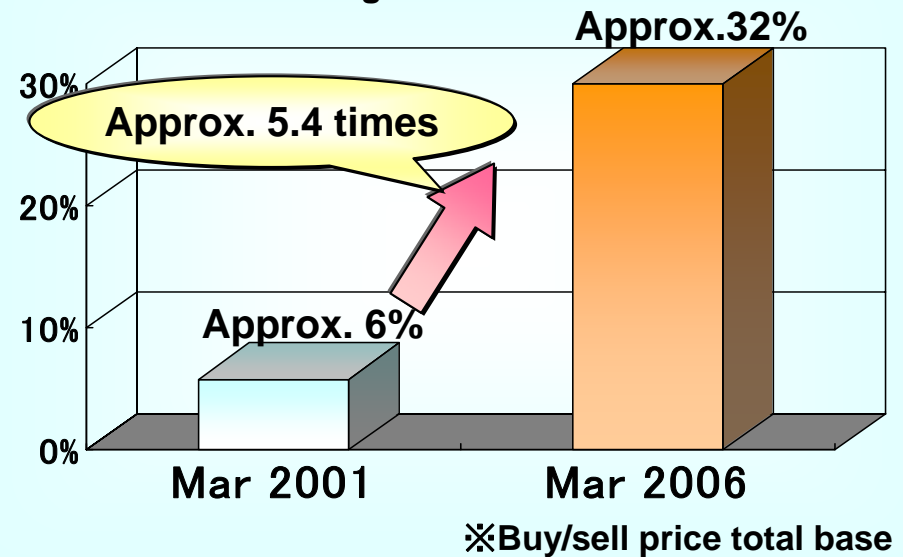
e-Government

◆ Percentage of national procedures that can be performed by electronic application and notification

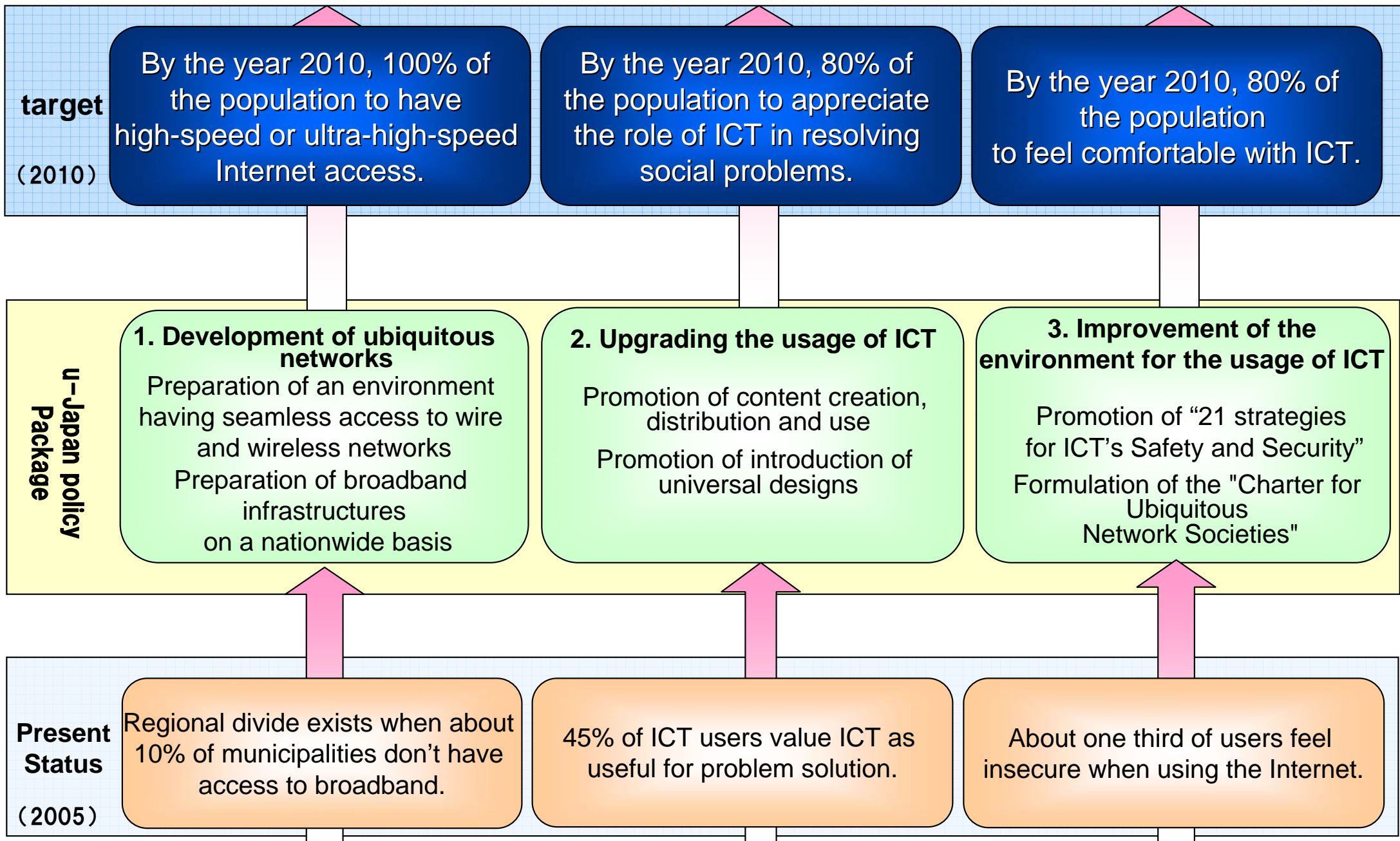


e-Commerce

◆ Internet trading rate on the stock market



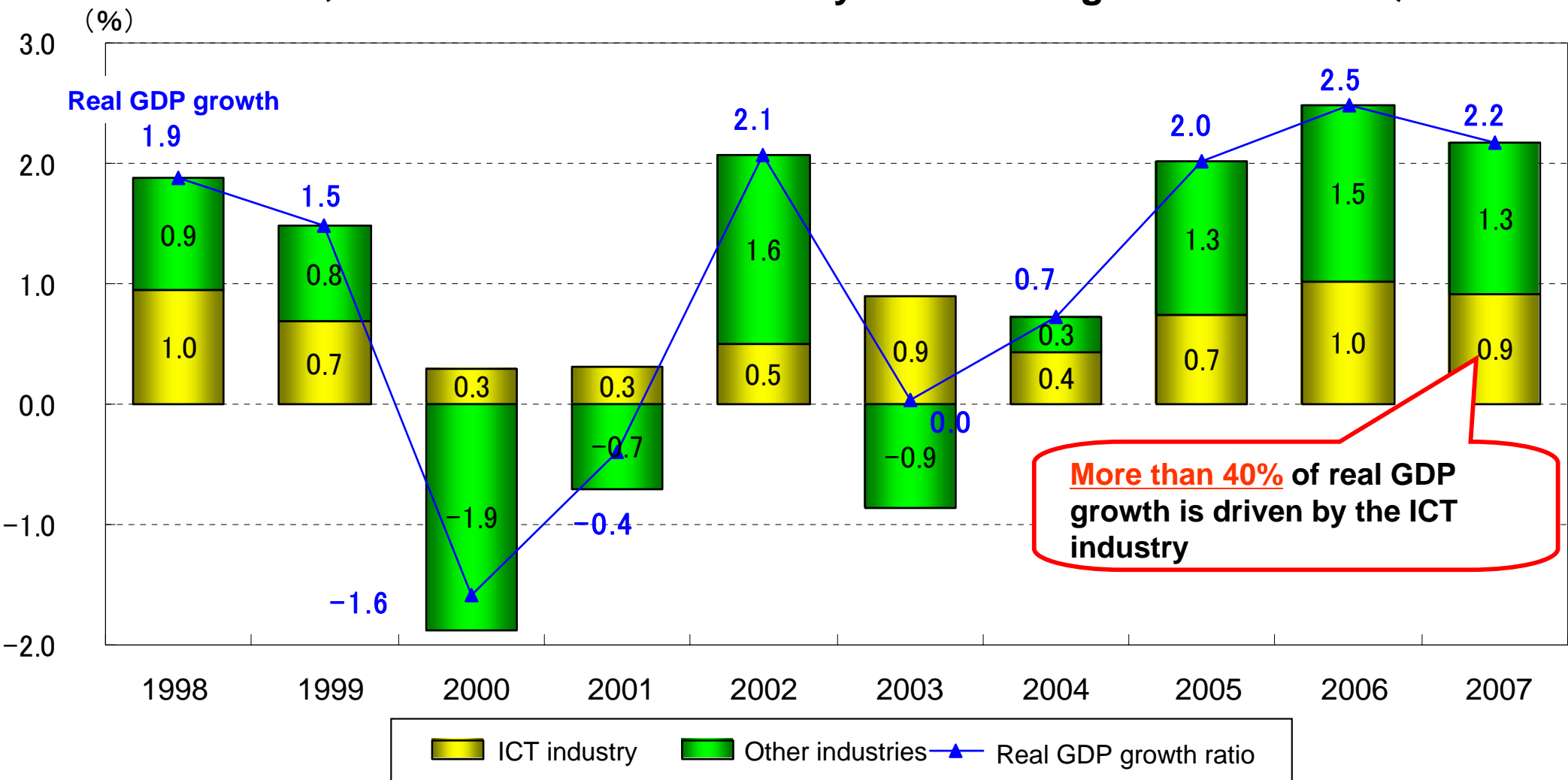
Summary of u-Japan Policy



Impact of the ICT industry on economic growth

The contribution of ICT industry growth to the national economy is tremendous. The ratio of contribution to the growth of GDP in Japan is **42.4%**.

〈Contribution of ICT industry to the Changes in Real GDP〉



Future Tasks related to advancements in Internet access

Policies related to diversifying content and increasing access

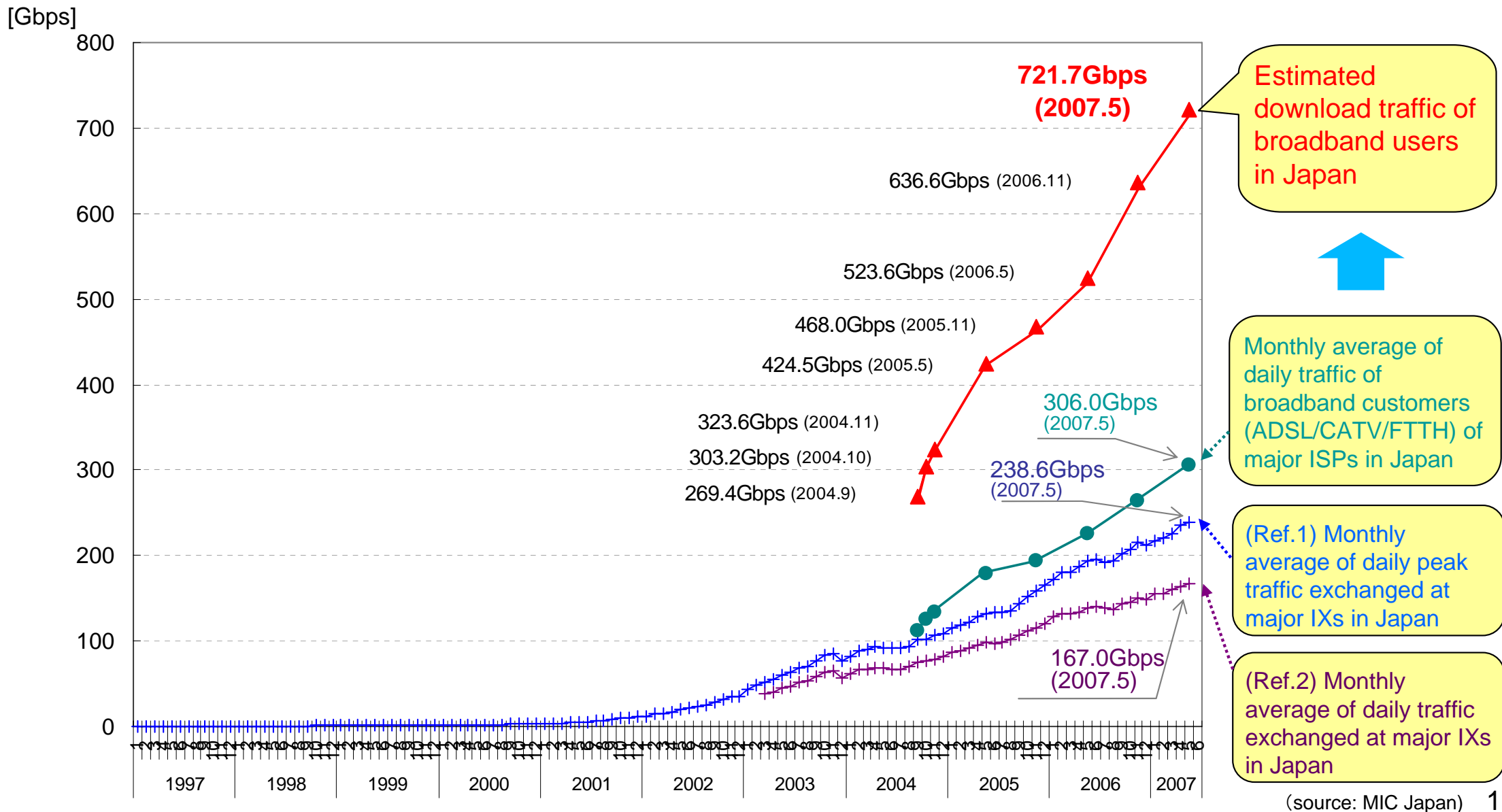
(1) Measures to respond to increase in traffic

(2) Freedom to choose Networks

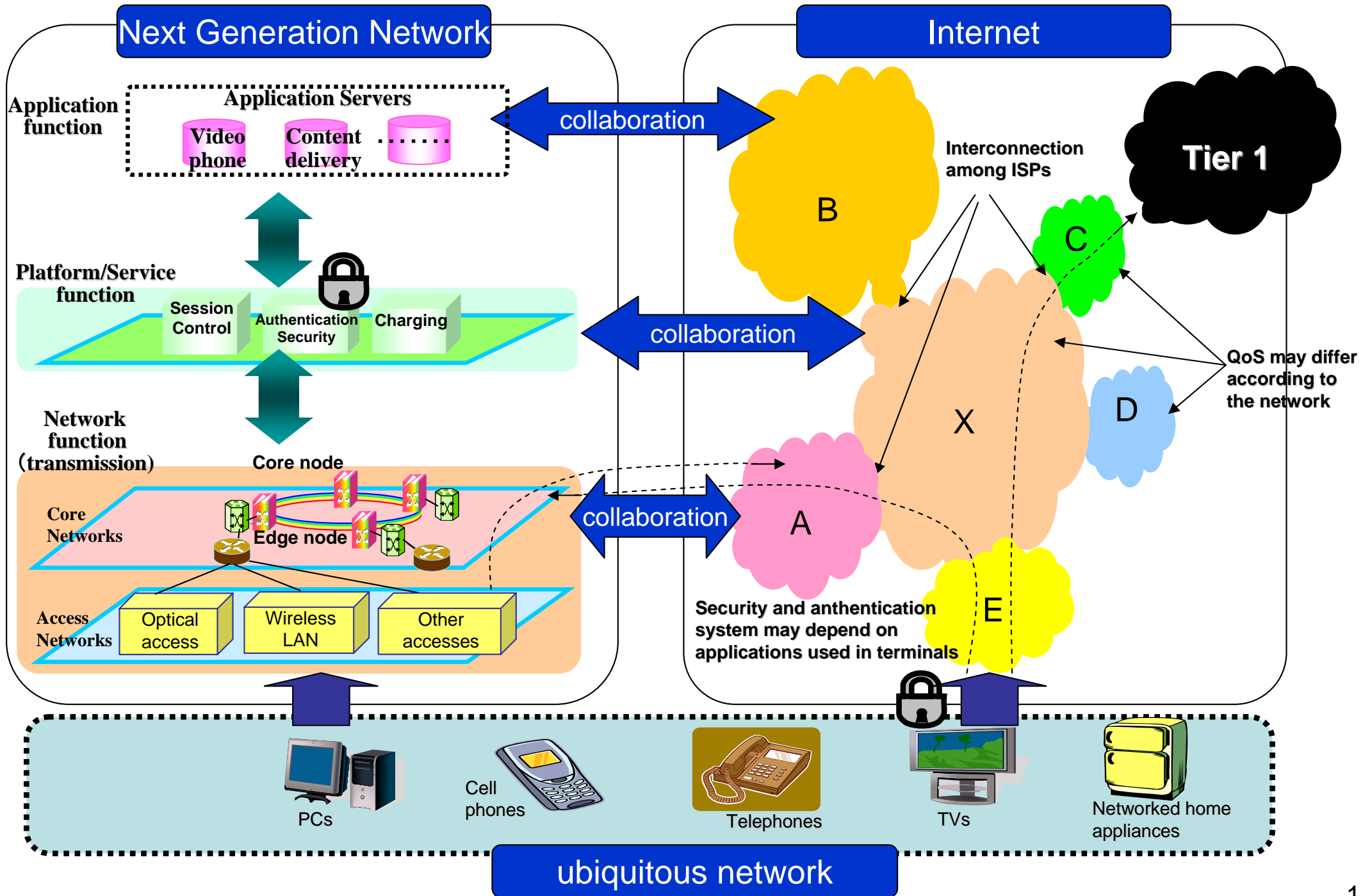
(3) Secure/ safe use of the internet

IP Traffic on the Networks (Total Volume)

- The total amount of IP traffic in Japan was estimated at 721.7Gbps (May 2007), which accounts for about 1.4 times more than that of the previous year (523.6Gbps).
- Necessity for enhancing network capacity is increasing.



Freedom to Choose Networks



MIC's Efforts to Ensure Reliability of Information and Communications networks

I Making robust and reliable networks

- ✓ Measures against cyber-attacks
- ✓ Promotion to share information between telecommunications carriers

II Development of human skills

- ✓ Implementing exercises against cyber-attacks
- ✓ Improvement of security management
- ✓ Enhancement of educational activities on security

III Measures to cope with diversification of goods connecting to networks

- ✓ Ensuring security in the era when consumer electronics are connected to networks
- ✓ R&D for preventing information leaks
- ✓ R&D on the cryptography and authentication systems

Thank You !



Ministry of Internal Affairs and Communications (“MIC”), Japan

<http://www.soumu.go.jp>

k-mori@soumu.go.jp