

TELECOMMUNICATION DEVELOPMENT BUREAU

Document 010-E 26 February 2009 Original: English

 $7^{\rm TH} {\rm WORLD\ TELECOMMUNICATION/ICT\ INDICATORS\ MEETING,\ CAIRO,\ EGYPT,\ 3-5\ MARCH\ 2009}$

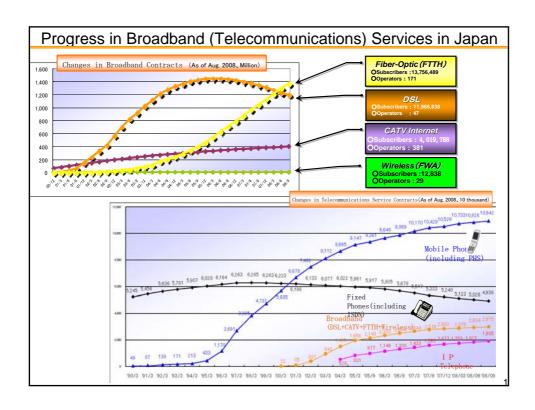
SOURCE: Ministry of Internal Affairs and Communications, Japan

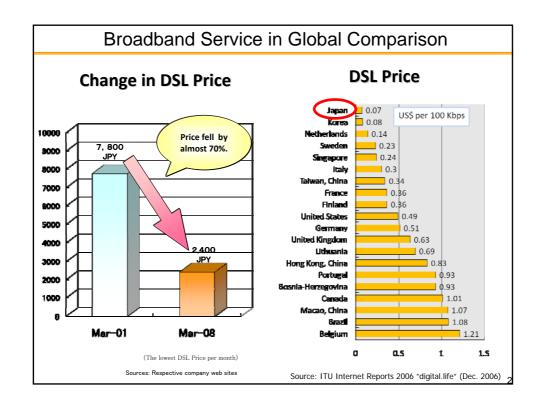
TITLE: Experience and Challenges in Collecting Mobile Broadband Statistics in Japan

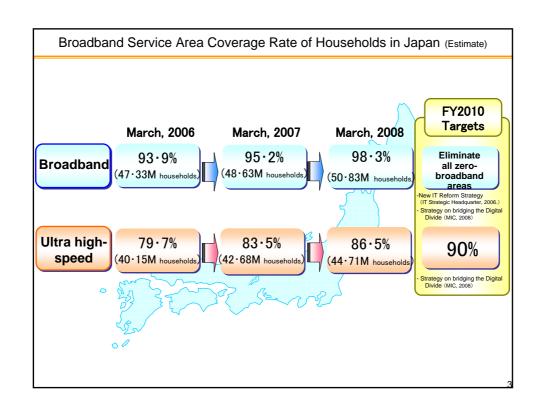
Experience and Challenges in Collecting Mobile Broadband Statistics in Japan

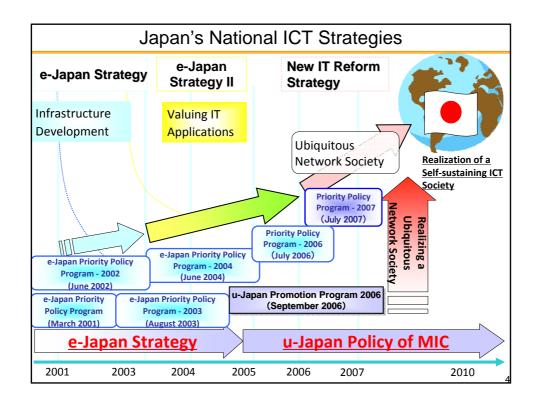
Atsushi Umino (海野 敦史)

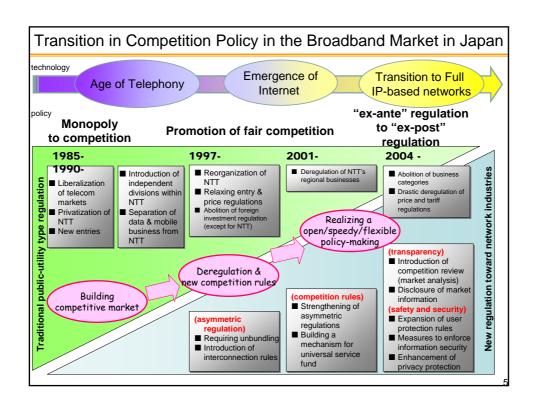
Institute for Information and Communications Policy Ministry of Internal Affairs and Communications of Japan

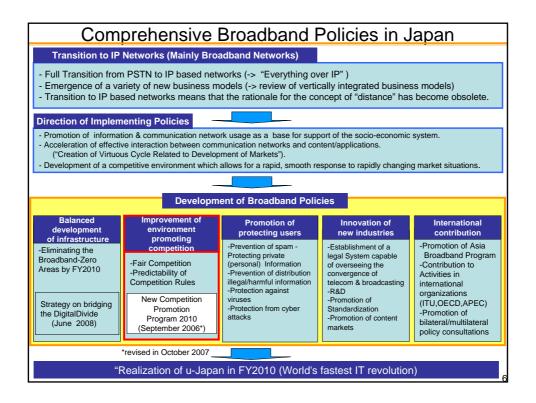


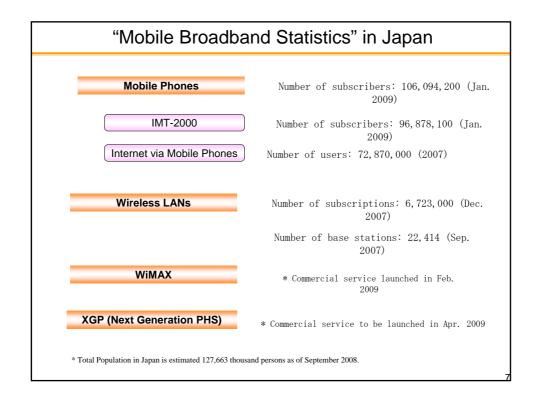


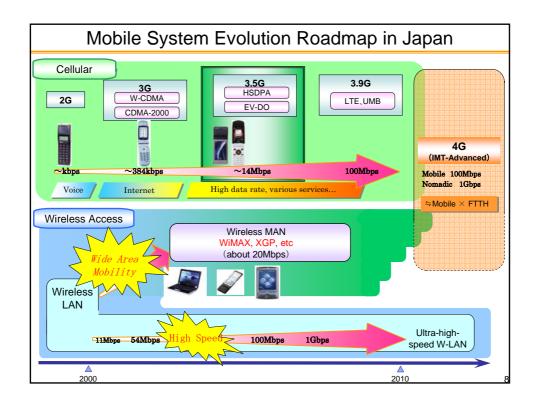


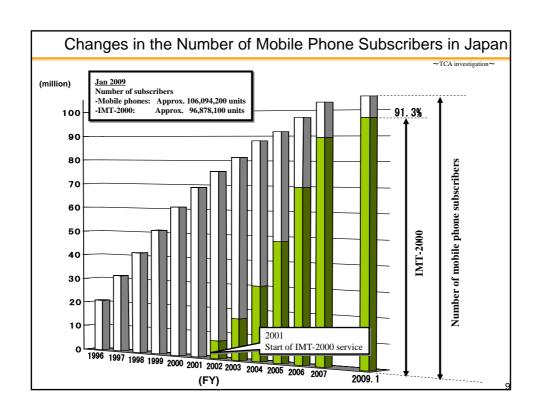


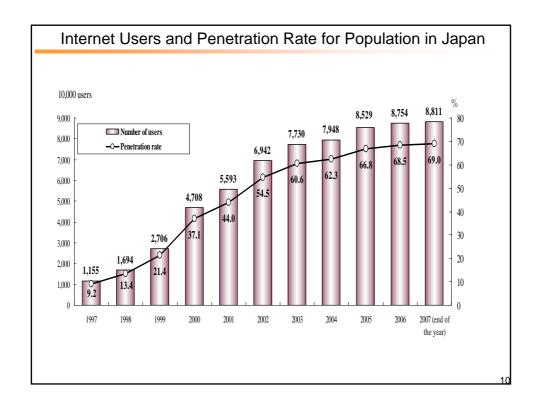


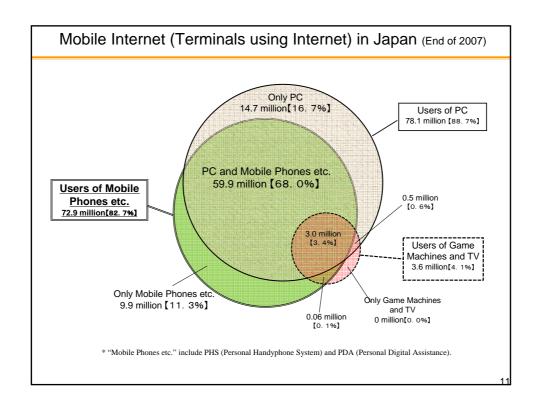


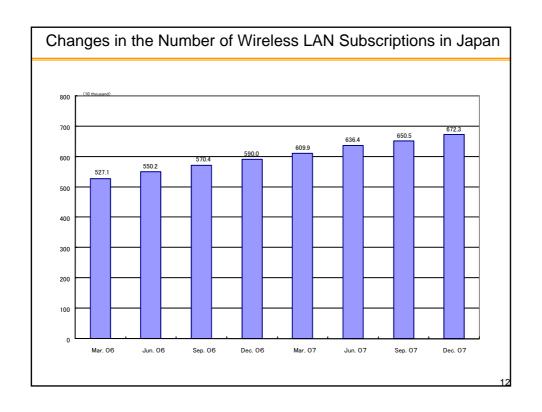


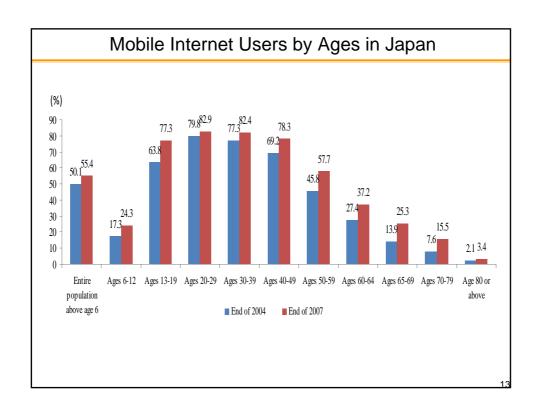


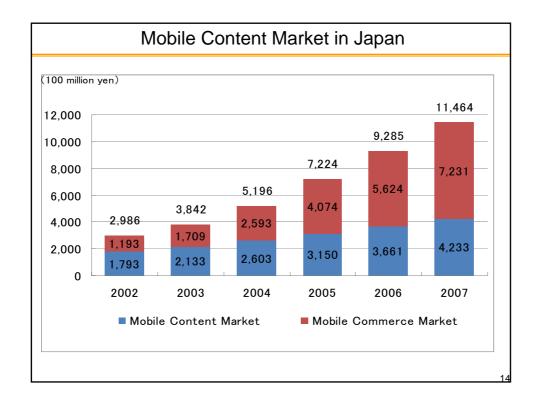












Challenges in ICT (including Mobile) International Benchmarking

1. How should we evaluate new technologies such as mobile broadband and set relevant indices in light of the rapid progress of technological innovation in the ICT field?

→While data on new technologies can only be obtained for a limited number of countries, would it be appropriate to use the indicators that are generally associated with conventional technologies, which are on the decrease?

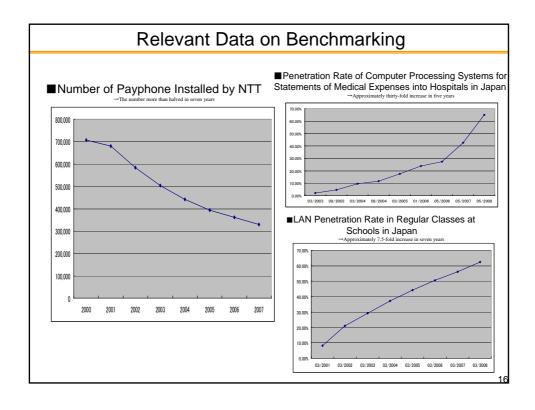
[Examples of Conventional Technologies] Fixed-line phone, Payphone etc.
[Examples of New technologies] Fiber-optic network (FTTH), 3G (and beyond), WiMAX etc.

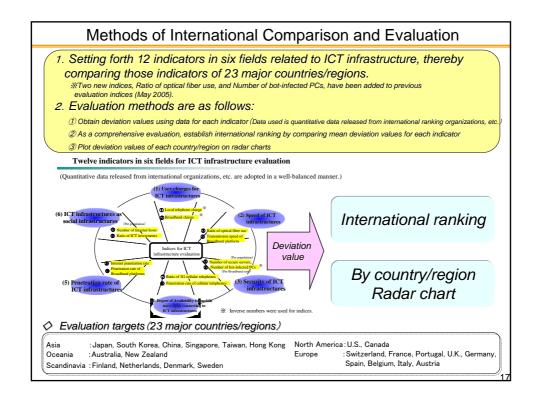
2. Which indicators should be used to measure data on non-infrastructure areas of ICT, such as ICT usage and safety & security?

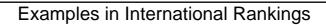
[Examples of Data on ICT Utilization] Proportion of Electronic Prescriptions, LAN Penetration Rate into Schools and Percentage of Administrative Procedures Available On-line etc.

[Examples of Data on Safety & Security of ICT] Number of Secure Servers and

"Bot-Infected" PCs etc.







- ⋄ Features of some countries exemplified as achieving world's leading edge results in each field are as shown below. The fields differ by country.

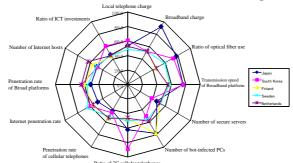
 - South Korea:No.1 in "Broadband speed," "Ratio of 3G cellular telephones," "Penetration rate of Broadband platform."

 - Finland:No.1 in "Number of bot-infected PCs," No.2 in "Broadband charge."

 - Sweden:No.2 in "Broadband charge" and "Internet penetration rate."

 - Netherlands:No.1 in "Penetration rate of Broadband platform," No.2 in "Broadband charge" and "Number of Internet hosts."

[Rader Chart of Some Countries in International Ranking]



61.0 53.4 72.5 44.4 37.9 44.6 54.3 59.4 56.0