

Japan's Policy Initiatives toward Ubiquitous Network Societies

- Anytime, Anywhere, by Anything and Anyone -

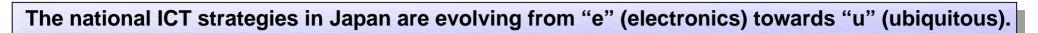
April 7, 2005

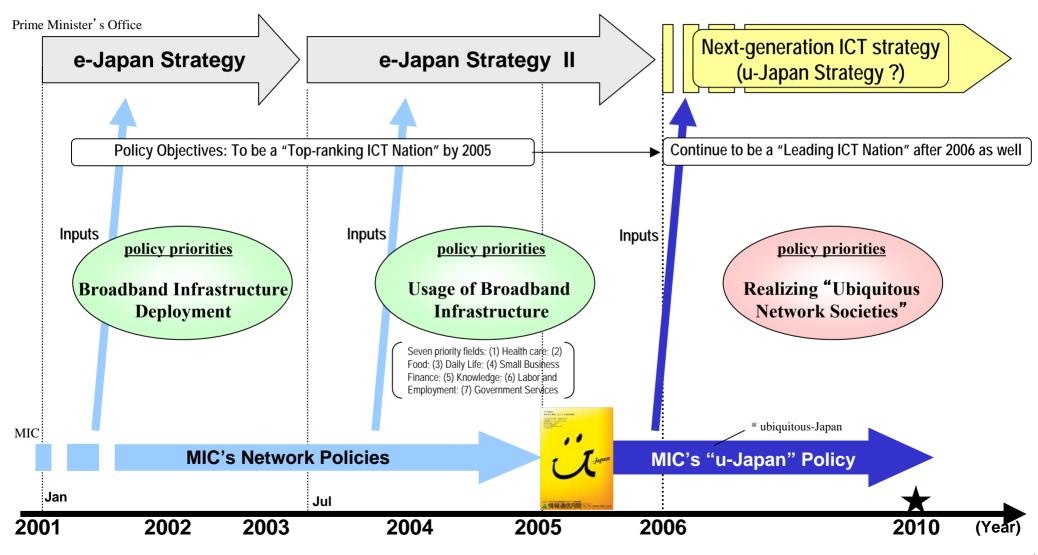
Takuo Imagawa

Ministry of Internal Affairs and Communications (MIC), Japan www.soumu.go.jp

Backgrounds: National ICT Strategies in Japan

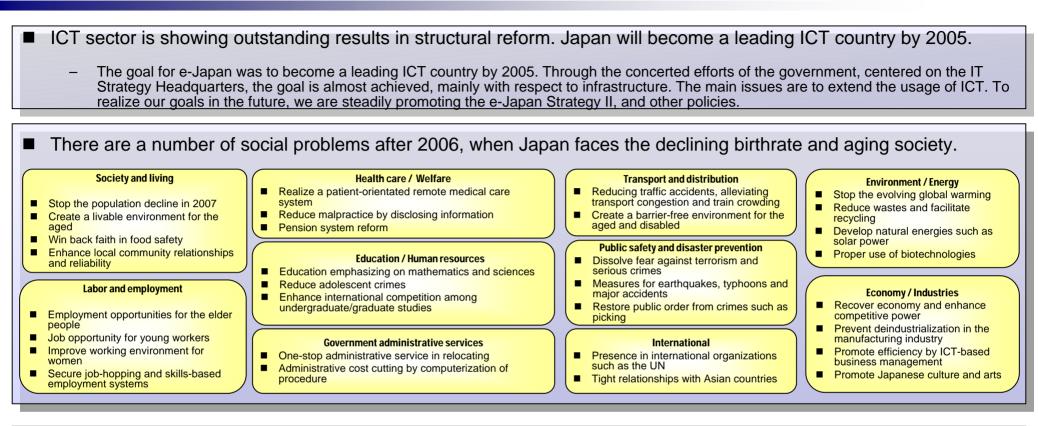






The Potential of ICT to Resolve Social Problems



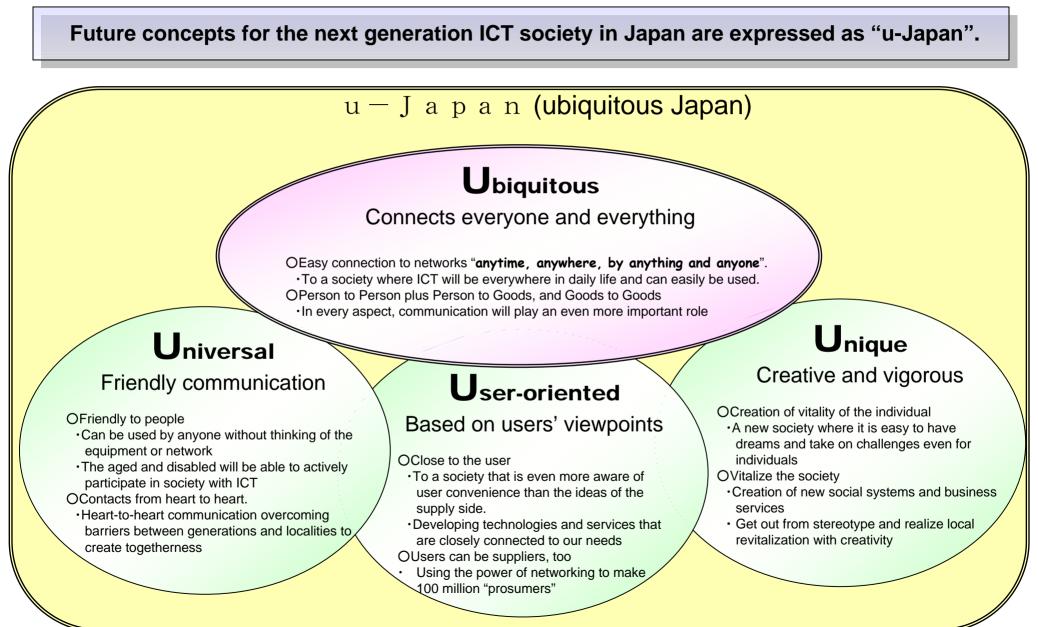


- The future trend of ICT is "ubiquitous networking". Its utilization is expected to be the breakthrough to solve social problems.
 - Ubiquitous network technology is gradually being put into practical and general use such as in smart household appliances, IPv6, IC tags, broadband and digital broadcasting.
 - Solution by the latest ICT usage is being developed such as nursing and welfare support systems that ease anxieties in old age, food traceability system to ensure food security, and home security systems to relax anxieties about public safety.
 → Expectations towards a ubiguitous society are growing

Creating a mid-term vision to realize the next generation ICT society by 2010

- The "anytime, anywhere, by anything and anyone" future ubiquitous society is just at our door step. MIC clearly spelled out a concept of the next generation ICT society in 2010 and published last year the "u-Japan policy package" to realize this society.

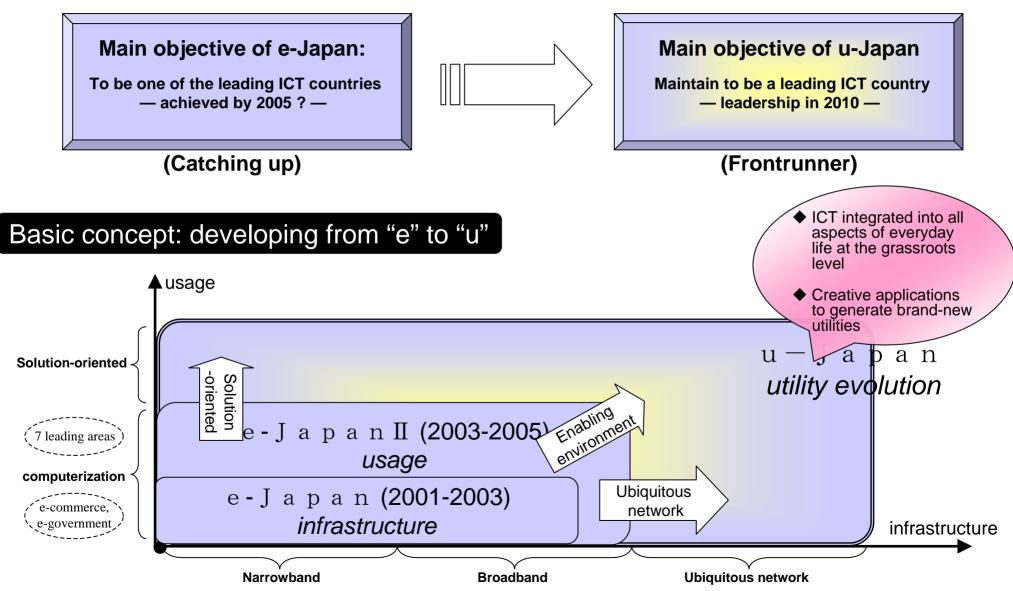




Framework of u-Japan Policy toward 2010

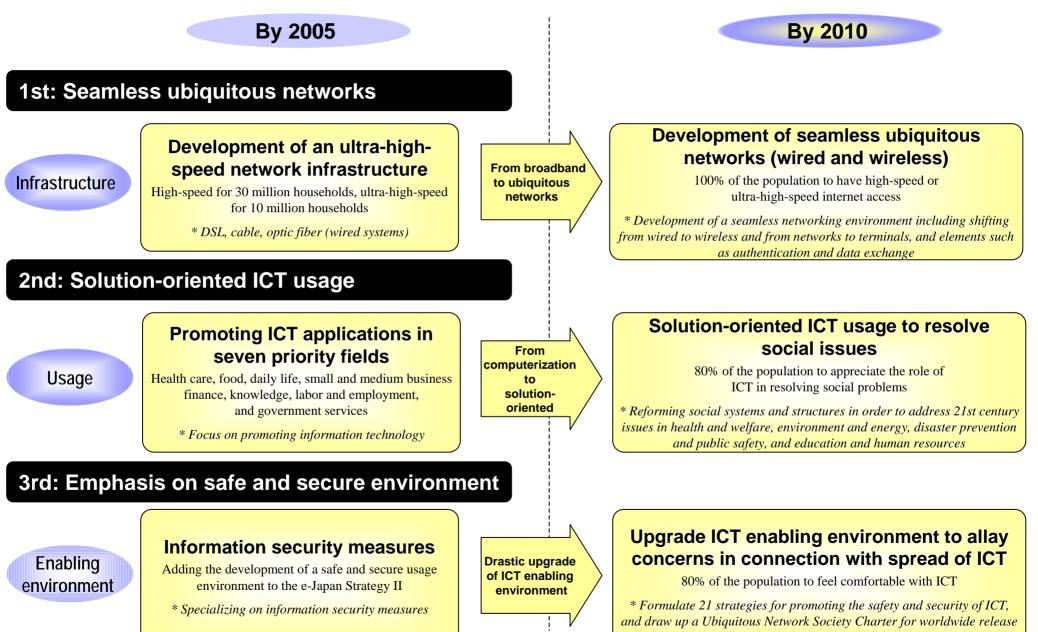


Main objective: to attain the frontrunner targets for 2010

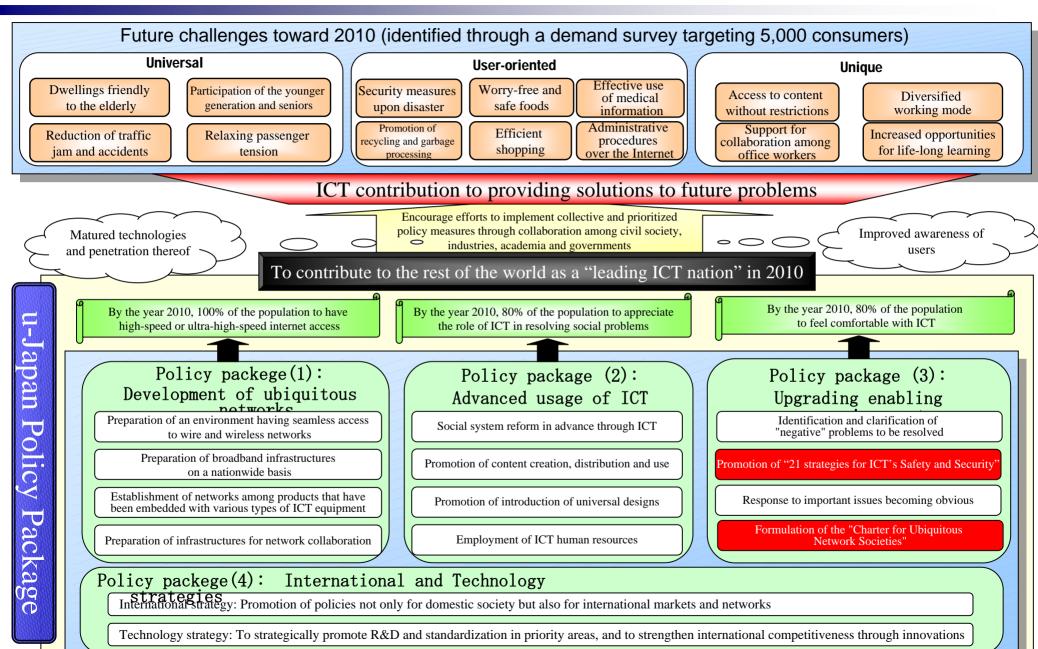


Three Cores of the u-Japan Policy





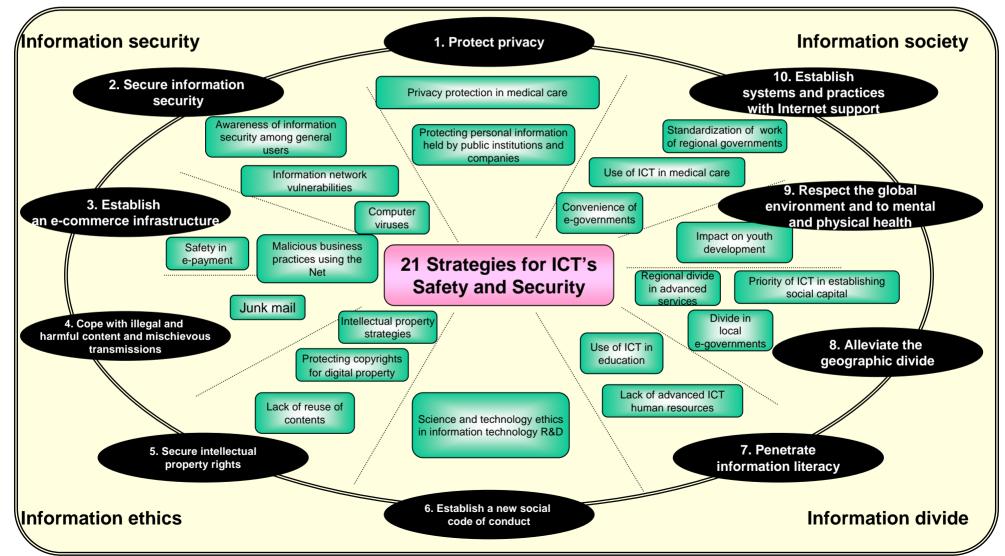
Structure of the "u-Japan policy package"



21 Strategies for ICT's Safety and Security

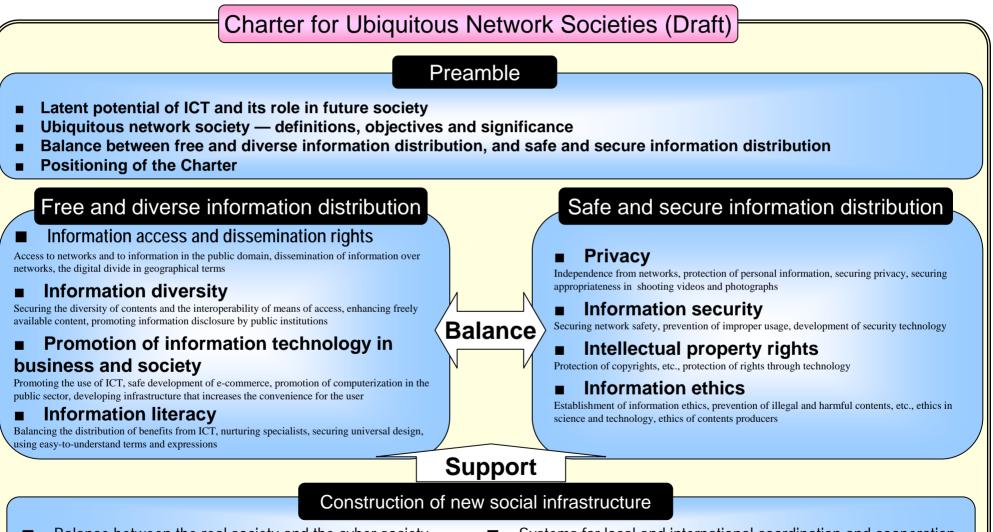


Pick up 21 priority issues in ten categories with significant social impact requiring more attention, and formulate strategies for tackling these issues predicated on user environment





Establish a charter summarizing the basic principles and shared understandings for the ubiquitous network societies → Propose a framework for maximizing the advantages and minimizing the disadvantages of ubiquitous network societies



Balance between the real society and the cyber society

Developing systems supporting the cyber-society, establishing a new social code of conduct, consideration for the recycling-based society, timely and appropriate realization of policies cooperation with local

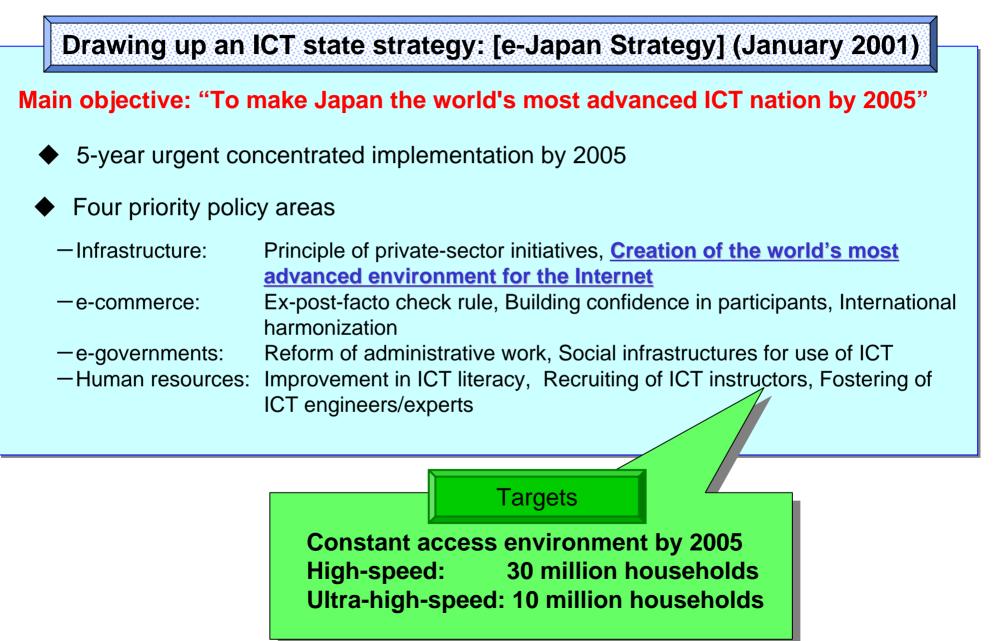
Systems for local and international coordination and cooperation

Inclusion of diverse viewpoints in policy formulation, development of structures for coordination and cooperation with local communities and with the international community

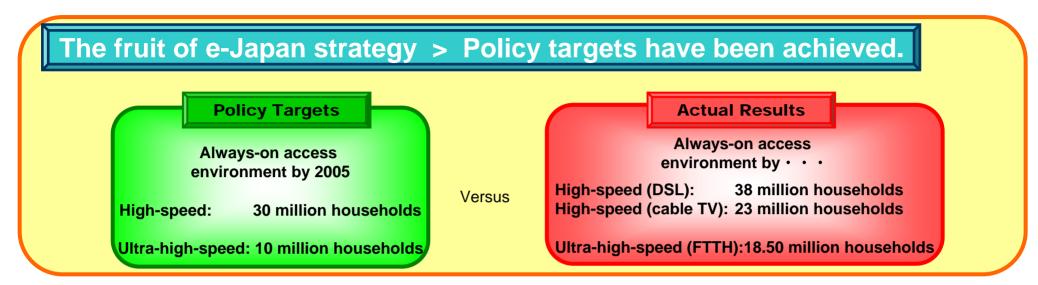


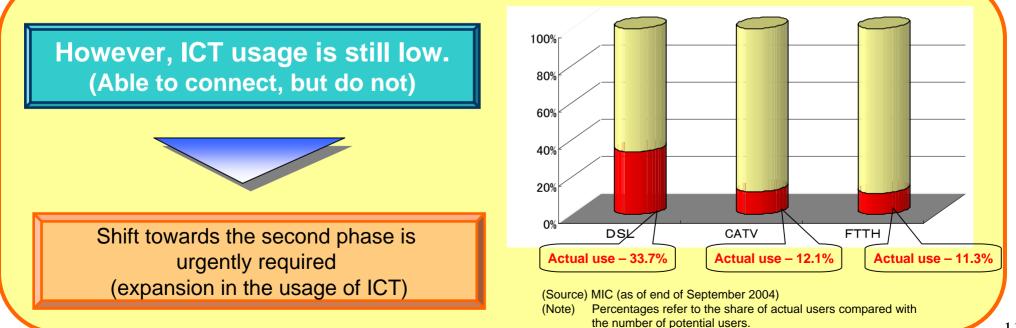
Appendices





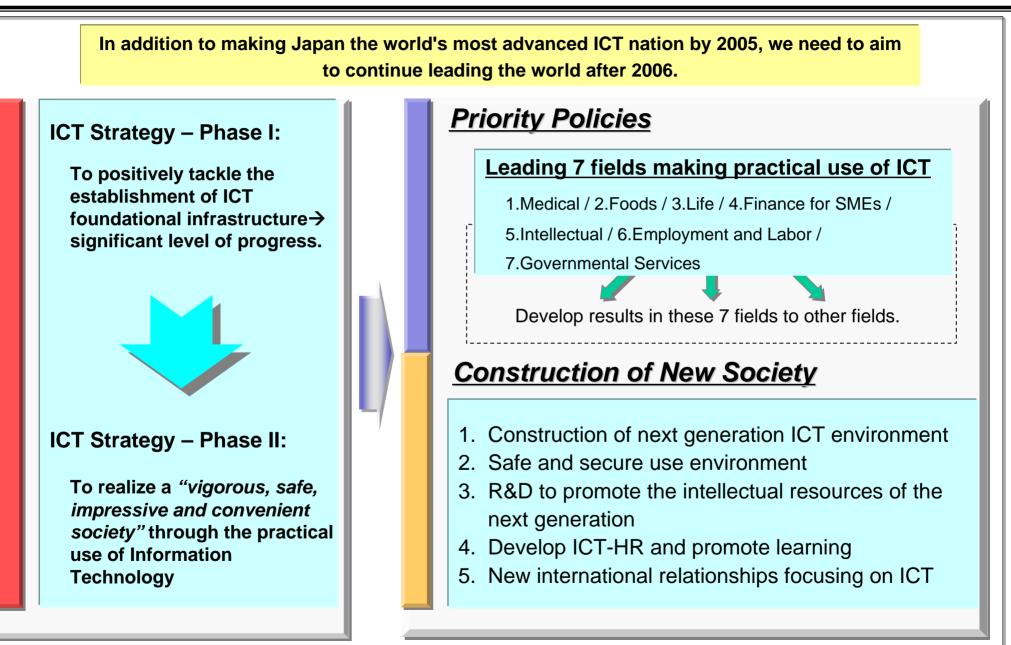






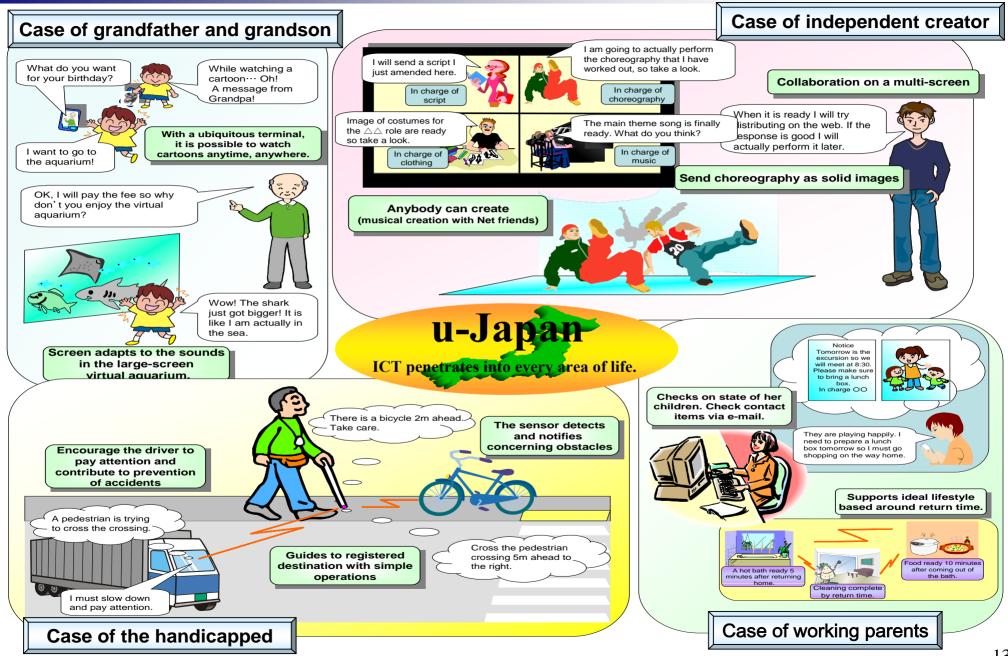
e-Japan Strategy II (2003-2005)



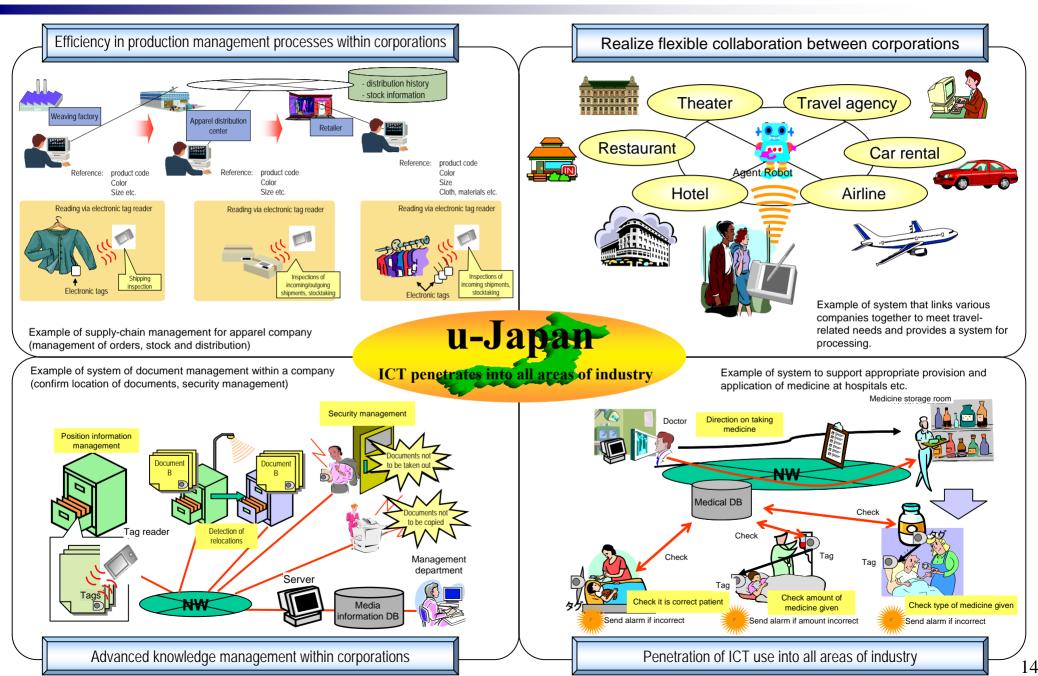


Examples of ICT Usage in the u-Japan Society (everyday life)





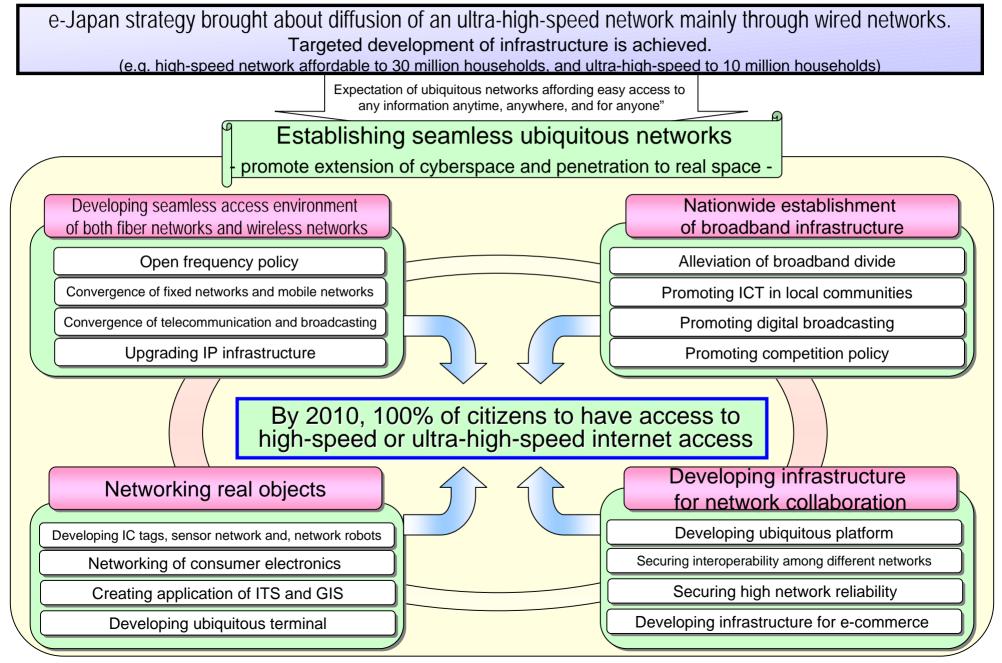
Examples of ICT Usage in the u-Japan Society (industrial aspect)



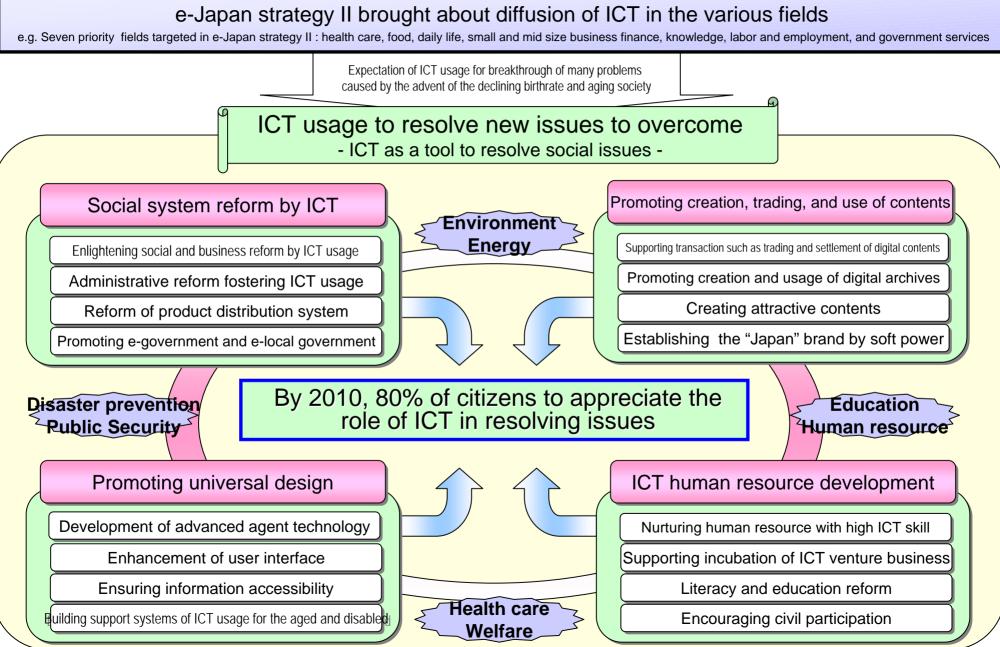
Ministry of Internal Aff

u-Japan policy package (1): Development of ubiquitous networks



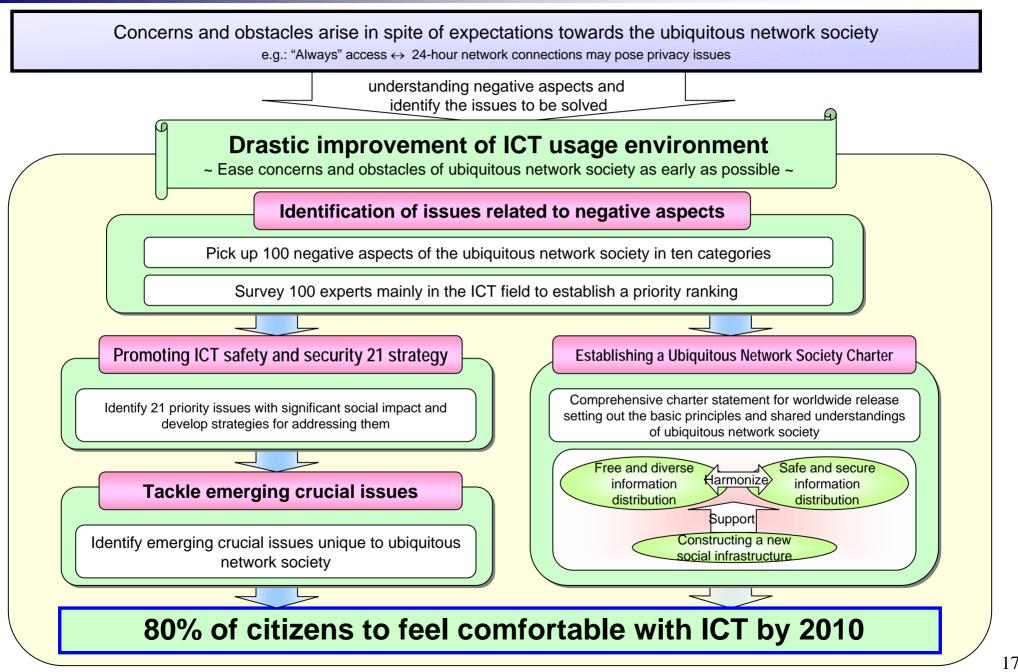






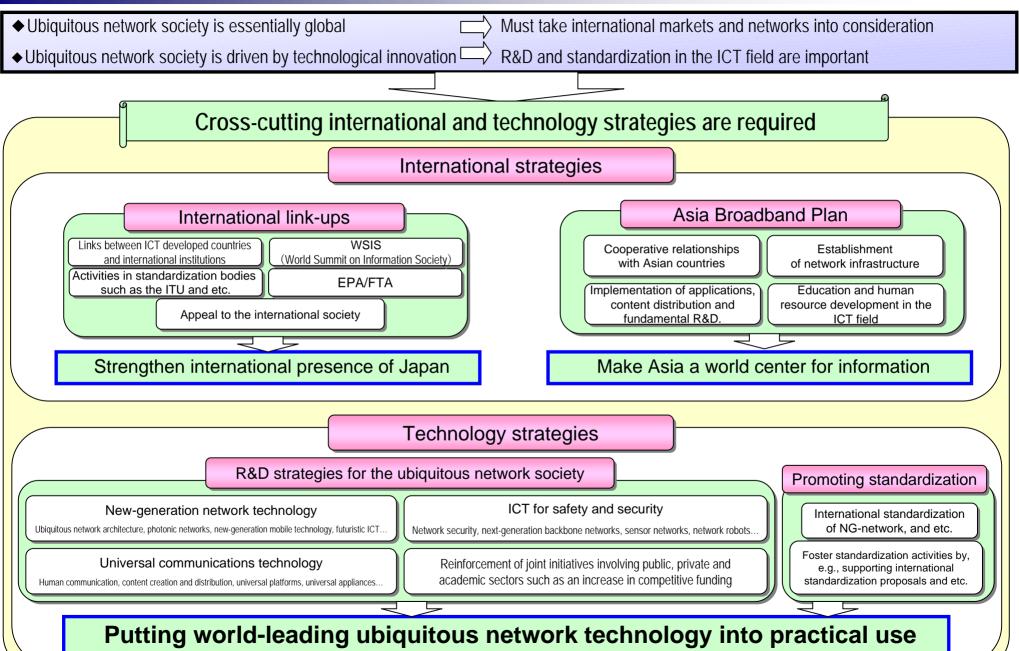
u-Japan Policy Package (3): Upgrading Enabling Environment





u-Japan Policy Package (4): International and Technology Strategies

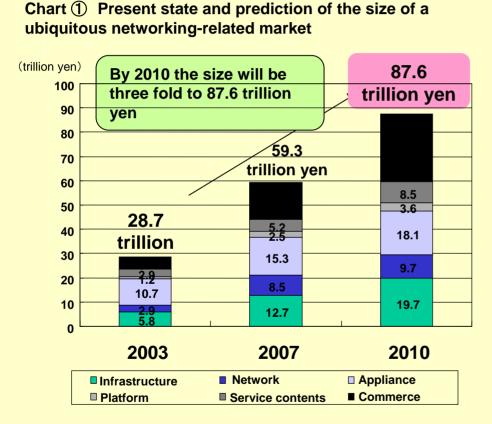




Estimated Economic Impacts of the u-Japan Policy



By promoting the u-Japan policy, the ubiquitous networking society-related market is expected to be 87.6 trillion yen by 2010 and the economic repercussions is expected to be 120.5 trillion yen.



(NB) The ubiquitous networking-related market it the total of the following markets:
 ①infrastructure market, ② network market, ③ appliance market, ④ platform market, ⑤ service and contents market, and ⑥ private e-business (B2C) market and the cashless market including contact-free IC cards and electronic tags

Chart ② Economic repercussion of a ubiquitous networking society (Inducement to all industries under a ubiguitous networking -relating market) Ubiguitous **Economic** networking -related repercussions market 87.6 trillion 120.5 trillion yen yen Telecommunicatio Service for ns Industry companies (7.8173 (45.1552 trillion trillion yen) Others (11.9242 Financial and yen) trillion yen) Insurance Industry (7.9001 trillion yen) 120.5 trillion yen Transportation (inducement) (8.5812 trillion yen) Manufacture Commerce (except (14.1390 trillion Telecommunicatio yen) ns) (25.85trillion yen)

(Source) White Papers for Information Communication 2004