

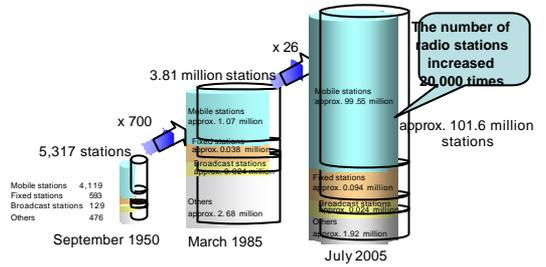


## II. Spectrum Strategy

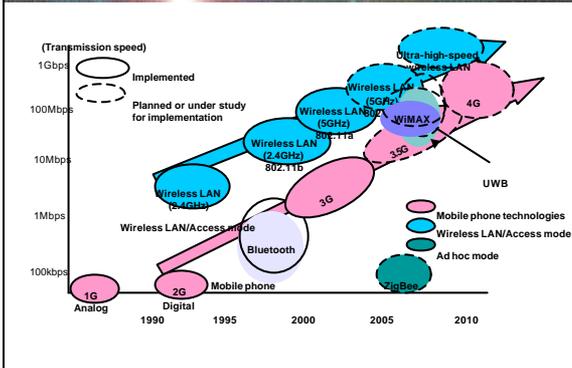
- (1) Current Radio Spectrum Use in Japan
- (2) Development in Radio Systems
- (3) New Radio-related Technologies
- (4) Necessity of Spectrum Reallocation
- (5) Efforts to Promote Effective Spectrum Use
- (6) Legal Framework to Promote Reallocation

### (1) Current Radio Spectrum Use in Japan

Japan's radio spectrum use has dramatically expanded, both in quality and quantity.



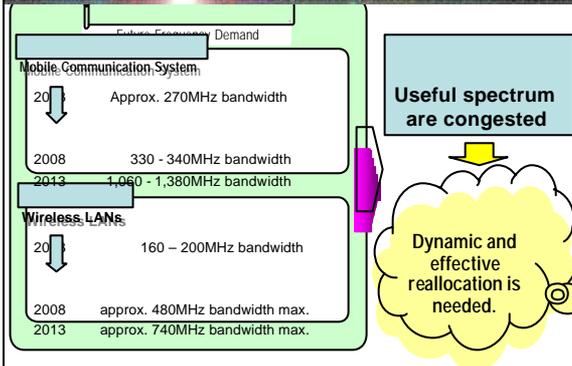
### (2) Development in Radio Systems



### (3) New Radio-related Technologies

- Cellular (3.5G, 4G)
- Wireless LAN
- WiMAX
- RFID, ZigBee
- UWB
- Intelligent Transport System (ITS)
- Intelligent Home Appliance
- Power Line Communications (PLC)

### (4) Necessity of Spectrum Reallocation



### (5) Efforts to Promote Effective Spectrum Use

Goal: To develop the world's most advanced wireless broadband environment

1. Guideline for spectrum reallocation
2. Development of legal framework for frequency reallocation
3. Major review of Spectrum Usage Fee system
4. Promotion of R & D
5. Facilitating smooth prevalence of radio equipment
6. Enhancing international strategy
7. Development of a secure and safe environment for radio spectrum utilization

(6) Legal Framework to Promote Reallocation



To develop a wireless broadband environment

1. Surveys on radio spectrum usage

2. Compensation to facilitate rapid withdrawal  
of existing radio stations

3. Registration, instead of conventional Licensing

4. Major review of Spectrum Usage Fee system:  
Economic Value of Radio Spectrum

**Thank you!**

