

## Section 6 Research and Development (R&D)

### 1. Research in information and communications industry

Out of total corporate R&D spending (13.8304 trillion yen), research spending by the information and communications industry (4.7209 trillion yen) accounts for 34.2%. Research spending for ICT equipment and tool manufacturing makes up the majority of research spending by the information and communications industry (figure 4-11).

### 2. Technology trading

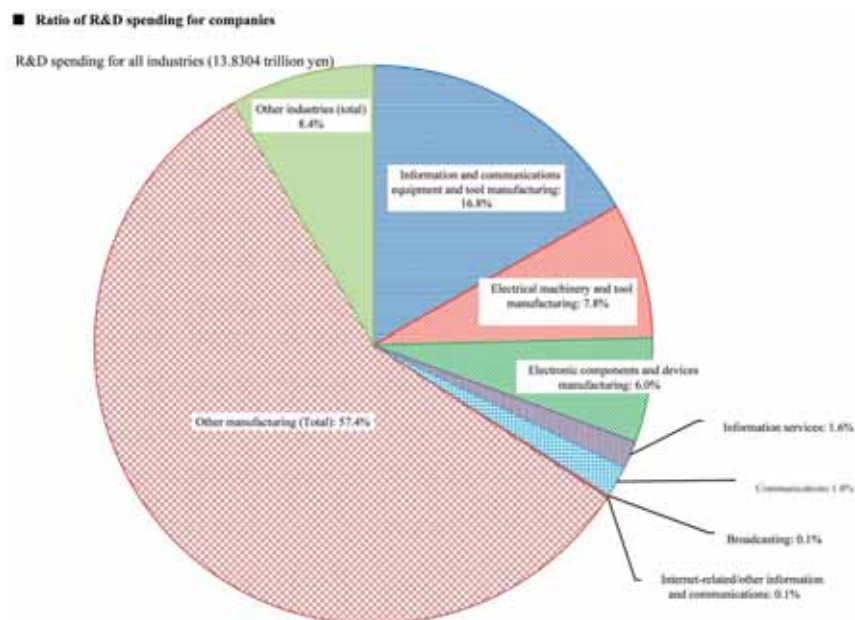
In 2007, the value of exports of technology of Japan's ICT industry was 470.9 billion yen (year-on-year increase of 6.4%) accounting for 19.0% of all

industries. On the other hand, the cost of importing technology was 422.3 billion yen (year-on-year decrease of 7.6%), accounting for 59.4% of all industries. Although there was a surplus in exports for the total amount of technology trading, there was a surplus of imports for the ICT industry.

### 3. Number of Researchers

Out of total number of corporate researchers (483,728 researchers), the number in the ICT industry is 196,043 researches, accounting for 40.5%. The majority of researchers in the ICT industry are in information and communications equipment and tool manufacturing.

Figure 4-11 Ratio of R&D spending for companies (FY2007)



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