

# Supporting Data

**Data Set 1 Transitions in nominal market sizes (domestic production value) by industry in Japan**

[units: billions of yen]

|                                                             | 1995    | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    | 2004    | 2005    | 2006    | 2007    | 2008      | 2009    | 2010    | 2011    | 2012    |
|-------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|
| Iron and steel                                              | 20,093  | 19,061  | 19,871  | 16,971  | 15,709  | 17,160  | 16,412  | 17,110  | 18,929  | 22,763  | 25,314  | 26,380  | 28,395  | 35,754    | 22,512  | 27,920  | 28,847  | 27,759  |
| Electrical equipment (excluding ICT devices)                | 33,787  | 34,753  | 36,503  | 34,219  | 33,480  | 36,321  | 31,635  | 28,720  | 30,140  | 31,435  | 32,026  | 34,865  | 35,892  | 34,568    | 26,157  | 29,883  | 27,595  | 26,235  |
| Transport equipment                                         | 42,171  | 43,015  | 45,084  | 43,101  | 42,330  | 42,653  | 43,610  | 46,089  | 48,436  | 49,616  | 53,016  | 58,094  | 61,746  | 61,530    | 42,707  | 52,940  | 47,472  | 52,402  |
| Construction (excluding construction of telecom facilities) | 87,368  | 86,019  | 81,140  | 76,694  | 75,059  | 75,866  | 73,018  | 69,122  | 66,755  | 62,993  | 62,925  | 60,504  | 58,064  | 56,283    | 54,991  | 51,918  | 51,198  | 52,420  |
| Wholesale                                                   | 58,928  | 58,622  | 63,308  | 62,003  | 63,852  | 60,871  | 59,322  | 59,425  | 59,233  | 63,369  | 70,744  | 68,544  | 65,169  | 65,838    | 53,903  | 55,259  | 59,400  | 59,774  |
| Retail                                                      | 39,221  | 40,000  | 39,097  | 37,285  | 37,136  | 35,746  | 36,903  | 36,973  | 37,259  | 37,116  | 35,964  | 34,924  | 34,555  | 35,345    | 36,170  | 36,718  | 37,767  | 37,622  |
| Transport                                                   | 40,880  | 41,583  | 41,740  | 39,519  | 37,961  | 38,153  | 38,116  | 37,940  | 38,215  | 39,546  | 40,784  | 41,384  | 42,701  | 43,361    | 38,036  | 39,378  | 39,364  | 40,588  |
| ICT                                                         | 78,182  | 85,686  | 91,706  | 92,242  | 93,117  | 98,455  | 97,950  | 94,733  | 93,903  | 93,518  | 92,532  | 93,743  | 96,115  | 93,884    | 86,223  | 85,106  | 82,589  | 81,828  |
| All industries                                              | 926,532 | 950,393 | 972,812 | 944,912 | 931,867 | 946,955 | 932,736 | 913,834 | 920,033 | 934,317 | 961,620 | 981,027 | 997,366 | 1,004,329 | 896,399 | 915,848 | 915,489 | 923,954 |

**Data Set 2 Transitions in nominal GDP by industry in Japan**

[units: billions of yen]

|                                                             | 1995    | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    |
|-------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Iron and steel                                              | 5,460   | 5,235   | 5,236   | 4,268   | 4,123   | 4,514   | 4,135   | 4,061   | 4,707   | 5,246   | 5,835   | 6,057   | 6,199   | 6,953   | 5,356   | 5,858   | 5,545   | 5,552   |
| Electrical equipment (excluding ICT devices)                | 12,356  | 12,311  | 12,692  | 12,025  | 11,781  | 12,496  | 9,392   | 8,564   | 8,968   | 8,975   | 8,689   | 8,996   | 8,967   | 7,714   | 5,784   | 6,209   | 5,532   | 5,530   |
| Transport equipment                                         | 9,764   | 10,219  | 9,856   | 10,601  | 10,511  | 9,582   | 9,595   | 10,640  | 10,052  | 9,627   | 9,816   | 10,580  | 11,658  | 10,647  | 7,990   | 9,843   | 8,231   | 8,915   |
| Construction (excluding construction of telecom facilities) | 38,629  | 37,715  | 35,743  | 34,549  | 34,071  | 34,444  | 33,355  | 31,587  | 30,228  | 28,856  | 28,093  | 26,511  | 24,980  | 23,845  | 25,167  | 24,565  | 23,055  | 23,053  |
| Wholesale                                                   | 39,597  | 39,238  | 42,682  | 41,760  | 43,018  | 40,906  | 39,782  | 39,793  | 39,482  | 42,570  | 47,461  | 45,607  | 43,017  | 42,925  | 35,660  | 38,157  | 40,393  | 40,620  |
| Retail                                                      | 27,525  | 27,970  | 27,544  | 26,248  | 26,157  | 25,121  | 25,464  | 25,058  | 24,714  | 24,388  | 23,189  | 22,419  | 22,092  | 22,408  | 23,360  | 24,485  | 24,496  | 24,245  |
| Transport                                                   | 24,049  | 24,793  | 24,887  | 23,558  | 22,059  | 21,878  | 21,912  | 21,946  | 22,137  | 22,975  | 23,409  | 22,821  | 23,103  | 23,489  | 21,020  | 21,777  | 21,500  | 22,022  |
| ICT                                                         | 37,502  | 40,547  | 43,138  | 43,960  | 44,177  | 46,111  | 45,961  | 45,251  | 44,815  | 44,271  | 43,773  | 43,662  | 44,044  | 42,091  | 39,154  | 38,391  | 37,226  | 37,182  |
| All industries                                              | 486,463 | 498,786 | 509,384 | 500,382 | 496,191 | 498,918 | 490,694 | 482,302 | 481,945 | 482,531 | 488,466 | 489,815 | 490,670 | 484,426 | 461,714 | 467,386 | 456,675 | 458,072 |

**Data Set 3 Transitions in real market sizes (domestic production value) by industry in Japan**

[units: billions of yen, constant 2005 values]

|                                                             | 1995    | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    |
|-------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Iron and steel                                              | 24,058  | 23,633  | 24,689  | 22,230  | 21,811  | 24,056  | 23,448  | 24,176  | 24,979  | 25,564  | 25,314  | 26,097  | 27,030  | 26,233  | 19,159  | 24,282  | 23,094  | 23,106  |
| Electrical equipment (excluding ICT devices)                | 24,038  | 25,476  | 27,857  | 26,717  | 26,282  | 28,606  | 26,512  | 25,514  | 27,958  | 30,203  | 32,026  | 36,460  | 37,973  | 37,328  | 29,143  | 34,996  | 33,360  | 31,340  |
| Transport equipment                                         | 42,044  | 43,056  | 45,132  | 42,802  | 41,885  | 42,266  | 43,667  | 46,322  | 48,723  | 49,716  | 53,016  | 58,296  | 62,073  | 61,098  | 41,328  | 52,207  | 46,924  | 51,968  |
| Construction (excluding construction of telecom facilities) | 87,096  | 85,561  | 80,238  | 76,807  | 76,071  | 76,919  | 74,768  | 71,443  | 68,651  | 63,956  | 62,925  | 59,411  | 55,668  | 52,237  | 51,809  | 49,194  | 50,151  | 52,207  |
| Wholesale                                                   | 56,445  | 57,268  | 60,443  | 60,930  | 63,145  | 60,629  | 59,470  | 60,793  | 61,375  | 65,016  | 70,744  | 67,080  | 62,687  | 60,564  | 52,333  | 53,724  | 56,585  | 56,949  |
| Retail                                                      | 39,378  | 38,266  | 37,249  | 35,398  | 34,692  | 33,565  | 34,794  | 35,755  | 36,807  | 37,001  | 35,964  | 34,820  | 34,452  | 34,754  | 36,061  | 36,865  | 38,032  | 37,886  |
| Transport                                                   | 36,556  | 37,524  | 38,006  | 36,877  | 37,019  | 38,206  | 38,044  | 38,158  | 38,579  | 39,701  | 40,784  | 41,315  | 41,776  | 41,432  | 38,699  | 40,194  | 39,911  | 41,076  |
| ICT                                                         | 63,260  | 69,004  | 74,005  | 76,588  | 78,865  | 84,347  | 87,084  | 87,469  | 89,703  | 91,326  | 92,532  | 96,048  | 100,990 | 100,908 | 95,772  | 98,830  | 97,473  | 96,857  |
| All industries                                              | 885,922 | 909,532 | 923,048 | 902,744 | 902,381 | 921,936 | 918,617 | 914,725 | 925,978 | 938,872 | 961,620 | 971,881 | 980,133 | 963,193 | 884,439 | 912,113 | 906,601 | 914,011 |

**Data Set 4 Transitions in real GDP by industry in Japan**

[units: billions of yen, constant 2005 values]

|                                                             | 1995    | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    |
|-------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Iron and steel                                              | 6,548   | 6,497   | 6,768   | 5,672   | 5,823   | 6,571   | 6,071   | 5,753   | 6,099   | 6,028   | 5,835   | 6,453   | 6,471   | 6,399   | 4,552   | 5,853   | 5,244   | 5,229   |
| Electrical equipment (excluding ICT devices)                | 5,152   | 5,392   | 6,104   | 5,982   | 6,070   | 6,726   | 5,657   | 5,828   | 7,014   | 7,934   | 8,689   | 9,780   | 10,547  | 10,046  | 7,954   | 9,926   | 9,719   | 9,044   |
| Transport equipment                                         | 10,168  | 9,955   | 9,365   | 9,659   | 10,214  | 9,824   | 9,462   | 10,156  | 9,446   | 9,333   | 9,816   | 10,750  | 11,943  | 11,732  | 8,078   | 10,003  | 8,595   | 9,493   |
| Construction (excluding construction of telecom facilities) | 40,930  | 39,566  | 37,059  | 35,939  | 35,690  | 35,671  | 34,533  | 32,693  | 30,665  | 29,174  | 28,093  | 26,307  | 24,240  | 22,977  | 23,445  | 23,085  | 23,565  | 24,399  |
| Wholesale                                                   | 38,978  | 39,524  | 41,936  | 42,218  | 43,629  | 41,824  | 40,795  | 41,518  | 41,487  | 43,937  | 47,461  | 44,569  | 41,220  | 39,300  | 34,056  | 36,391  | 37,298  | 37,478  |
| Retail                                                      | 28,600  | 27,574  | 26,785  | 25,233  | 24,477  | 23,466  | 23,946  | 24,247  | 24,445  | 24,301  | 23,189  | 22,411  | 22,122  | 22,202  | 23,293  | 24,462  | 24,643  | 24,437  |
| Transport                                                   | 19,776  | 20,979  | 21,747  | 21,206  | 20,971  | 21,880  | 21,848  | 21,995  | 22,210  | 22,896  | 23,409  | 23,287  | 23,347  | 23,757  | 21,968  | 23,045  | 22,924  | 23,528  |
| ICT                                                         | 27,410  | 28,803  | 30,625  | 32,856  | 34,256  | 36,853  | 38,111  | 38,958  | 40,137  | 41,505  | 43,773  | 46,098  | 48,981  | 49,315  | 47,546  | 50,199  | 50,071  | 50,434  |
| All industries                                              | 453,637 | 464,279 | 470,176 | 461,409 | 463,059 | 472,166 | 468,777 | 467,002 | 470,593 | 476,162 | 488,466 | 492,257 | 495,058 | 488,937 | 460,487 | 474,613 | 468,851 | 469,337 |

## Data Set 5 Transitions in employment numbers by industry in Japan

[units: 10s of thousands]

|                                                                   | 1995    | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    |
|-------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Iron and steel                                                    | 39.9    | 38.7    | 37.4    | 35.6    | 33.4    | 32.6    | 31.2    | 29.5    | 29.4    | 29.9    | 31.1    | 30.6    | 31.1    | 29.4    | 26.7    | 26.0    | 25.8    | 25.7    |
| Electrical equipment<br>(excluding ICT devices)                   | 148.8   | 146.1   | 145.1   | 141.8   | 136.7   | 135.0   | 124.6   | 113.0   | 107.9   | 105.9   | 105.4   | 109.2   | 114.0   | 113.2   | 99.9    | 100.0   | 97.3    | 95.7    |
| Transport equipment                                               | 104.9   | 104.4   | 103.9   | 101.5   | 97.4    | 96.0    | 94.0    | 93.2    | 93.5    | 94.4    | 97.3    | 99.3    | 101.9   | 99.2    | 92.9    | 93.8    | 93.0    | 91.3    |
| Construction<br>(excluding construction of<br>telecom facilities) | 548.0   | 554.5   | 564.8   | 543.1   | 537.1   | 525.4   | 507.2   | 492.5   | 478.2   | 457.2   | 445.5   | 440.8   | 436.4   | 420.7   | 405.8   | 387.7   | 387.0   | 385.5   |
| Wholesale                                                         | 473.5   | 475.2   | 462.5   | 465.6   | 464.7   | 454.4   | 452.2   | 433.7   | 423.2   | 423.3   | 422.0   | 422.6   | 424.0   | 418.1   | 415.0   | 416.3   | 414.9   | 406.1   |
| Retail                                                            | 694.6   | 711.1   | 723.2   | 716.4   | 713.9   | 711.3   | 705.8   | 686.1   | 674.4   | 663.2   | 659.1   | 660.1   | 662.1   | 653.0   | 648.2   | 650.1   | 647.9   | 634.2   |
| Transport                                                         | 319.5   | 321.1   | 318.5   | 307.9   | 303.4   | 304.4   | 307.3   | 312.3   | 313.6   | 315.4   | 318.2   | 326.8   | 330.6   | 340.0   | 345.9   | 347.5   | 343.8   | 331.2   |
| ICT                                                               | 360.3   | 367.0   | 390.2   | 395.3   | 397.9   | 404.2   | 396.6   | 371.9   | 363.2   | 360.9   | 362.3   | 371.9   | 373.4   | 382.5   | 388.4   | 382.8   | 389.8   | 396.8   |
| All industries                                                    | 5,516.6 | 5,572.1 | 5,635.1 | 5,603.3 | 5,557.3 | 5,575.8 | 5,579.4 | 5,526.9 | 5,510.7 | 5,509.8 | 5,530.4 | 5,611.4 | 5,663.7 | 5,664.7 | 5,599.1 | 5,602.1 | 5,610.3 | 5,606.3 |

## Data Set 6 Transitions in nominal market sizes by sector in the ICT industry in Japan

[units: billions of yen]

|                                                               | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 2003   | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   |
|---------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1. Telecommunications sector                                  | 12,083 | 13,764 | 15,423 | 16,356 | 17,518 | 18,852 | 18,976 | 18,898 | 19,079 | 18,113 | 16,358 | 16,756 | 17,159 | 16,621 | 16,262 | 15,483 | 15,159 | 14,240 |
| Postal                                                        | 2,142  | 2,180  | 2,186  | 2,134  | 2,128  | 2,123  | 2,096  | 2,048  | 1,992  | 1,952  | 1,904  | 1,902  | 1,908  | 1,892  | 1,846  | 1,808  | 1,788  | 1,776  |
| Fixed-line communications                                     | 8,236  | 8,836  | 9,328  | 9,561  | 10,205 | 10,877 | 10,878 | 10,894 | 10,761 | 9,374  | 7,030  | 7,177  | 7,647  | 7,563  | 7,572  | 7,061  | 6,598  | 5,627  |
| Mobile communications                                         | 1,641  | 2,683  | 3,845  | 4,595  | 5,123  | 5,789  | 5,940  | 5,884  | 6,256  | 6,715  | 7,350  | 7,603  | 7,531  | 7,096  | 6,776  | 6,549  | 6,709  | 6,773  |
| Services associated with telecommunications                   | 64     | 65     | 65     | 66     | 62     | 63     | 63     | 72     | 71     | 72     | 75     | 74     | 73     | 71     | 68     | 66     | 64     | 63     |
| 2. Broadcasting sector                                        | 2,695  | 2,835  | 2,981  | 3,004  | 3,059  | 3,307  | 3,392  | 3,419  | 3,495  | 3,614  | 3,678  | 3,715  | 3,791  | 3,658  | 3,545  | 3,434  | 3,123  | 3,058  |
| Public broadcasting                                           | 570    | 587    | 615    | 653    | 679    | 699    | 703    | 705    | 706    | 700    | 669    | 667    | 673    | 658    | 656    | 665    | 681    | 660    |
| Private broadcasting                                          | 1,868  | 2,018  | 2,100  | 2,054  | 2,055  | 2,269  | 2,336  | 2,329  | 2,373  | 2,477  | 2,544  | 2,559  | 2,568  | 2,436  | 2,299  | 2,147  | 1,836  | 1,820  |
| Cable broadcasting                                            | 258    | 230    | 266    | 296    | 326    | 338    | 353    | 385    | 416    | 437    | 466    | 490    | 550    | 563    | 590    | 622    | 606    | 578    |
| 3. Information services sector                                | 6,942  | 8,314  | 10,010 | 11,622 | 12,633 | 14,063 | 15,563 | 16,207 | 16,445 | 17,018 | 17,403 | 18,083 | 18,523 | 18,993 | 18,163 | 17,651 | 17,175 | 17,284 |
| Software                                                      | 4,208  | 5,189  | 6,180  | 7,158  | 7,966  | 8,954  | 10,053 | 10,150 | 9,955  | 10,011 | 10,028 | 10,689 | 10,903 | 11,154 | 10,418 | 9,907  | 9,600  | 9,754  |
| Information processing service provision                      | 2,734  | 3,125  | 3,831  | 4,464  | 4,667  | 5,109  | 5,509  | 6,056  | 6,490  | 7,006  | 7,375  | 7,394  | 7,620  | 7,839  | 7,745  | 7,744  | 7,575  | 7,530  |
| 4. Internet-related services sector                           | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1,216  | 1,371  | 1,801  | 2,249  | 2,314  | 2,912  | 3,746  | 3,782  |
| Services associated with the Internet                         | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1,216  | 1,371  | 1,801  | 2,249  | 2,314  | 2,912  | 3,746  | 3,782  |
| 5. Video, audio, or text information production sector        | 6,402  | 6,742  | 6,963  | 7,241  | 7,365  | 7,213  | 7,170  | 7,073  | 7,014  | 7,135  | 7,201  | 7,174  | 7,164  | 7,084  | 6,931  | 6,791  | 6,605  | 6,569  |
| Film makers and distributors                                  | 963    | 1,083  | 1,218  | 1,371  | 1,542  | 1,502  | 1,529  | 1,489  | 1,533  | 1,616  | 1,631  | 1,642  | 1,651  | 1,648  | 1,648  | 1,666  | 1,638  | 1,694  |
| Newspapers                                                    | 2,473  | 2,531  | 2,526  | 2,563  | 2,499  | 2,555  | 2,527  | 2,432  | 2,397  | 2,391  | 2,386  | 2,374  | 2,364  | 2,349  | 2,304  | 2,273  | 2,234  | 2,208  |
| Publishers                                                    | 2,391  | 2,489  | 2,511  | 2,521  | 2,452  | 2,336  | 2,338  | 2,429  | 2,434  | 2,565  | 2,604  | 2,585  | 2,583  | 2,524  | 2,415  | 2,304  | 2,196  | 2,146  |
| News providers                                                | 575    | 638    | 708    | 786    | 872    | 820    | 775    | 723    | 649    | 563    | 580    | 573    | 566    | 563    | 564    | 547    | 537    | 521    |
| 6. ICT-related manufacturing sector                           | 19,318 | 21,595 | 22,763 | 20,757 | 19,347 | 19,584 | 17,399 | 15,166 | 15,019 | 14,387 | 13,235 | 13,019 | 13,185 | 12,272 | 9,455  | 9,929  | 8,290  | 7,625  |
| Communication cable manufacturing                             | 305    | 416    | 438    | 370    | 324    | 365    | 452    | 389    | 372    | 259    | 237    | 289    | 277    | 264    | 224    | 260    | 201    | 234    |
| Cable communication equipment and appliance manufacturing     | 1,834  | 2,306  | 2,209  | 1,936  | 1,972  | 1,855  | 1,267  | 970    | 815    | 768    | 687    | 664    | 622    | 646    | 469    | 455    | 406    | 401    |
| Wireless communication equipment and appliance manufacturing  | 1,922  | 2,457  | 2,637  | 2,487  | 2,587  | 3,214  | 2,906  | 2,529  | 3,098  | 2,900  | 2,786  | 2,911  | 3,031  | 2,719  | 2,020  | 2,110  | 1,946  | 2,095  |
| Radio and television receiver / video equipment manufacturing | 2,204  | 1,988  | 1,991  | 1,862  | 1,726  | 2,095  | 2,005  | 2,181  | 2,422  | 2,479  | 2,279  | 2,359  | 2,411  | 2,298  | 2,002  | 2,325  | 1,451  | 883    |
| Electrical audio equipment and appliance manufacturing        | 2,193  | 1,990  | 2,047  | 2,013  | 1,955  | 1,901  | 1,644  | 1,602  | 1,636  | 1,435  | 1,186  | 1,218  | 948    | 716    | 518    | 489    | 377    | 365    |
| Computer and peripheral device manufacturing                  | 7,896  | 9,499  | 10,004 | 8,724  | 7,622  | 6,991  | 6,379  | 4,973  | 4,402  | 4,148  | 3,681  | 3,589  | 3,883  | 3,488  | 2,677  | 2,767  | 2,505  | 2,441  |
| Magnetic tape and magnetic disk manufacturing                 | 475    | 489    | 634    | 663    | 548    | 482    | 450    | 459    | 443    | 446    | 411    | 371    | 349    | 319    | 184    | 188    | 180    | 153    |
| Office and business equipment manufacturing                   | 2,229  | 2,199  | 2,550  | 2,445  | 2,362  | 2,426  | 2,093  | 1,889  | 1,643  | 1,764  | 1,777  | 1,434  | 1,491  | 1,669  | 1,230  | 1,218  | 1,118  | 943    |
| Information recording media manufacturing                     | 259    | 252    | 254    | 257    | 250    | 255    | 203    | 174    | 187    | 188    | 192    | 183    | 174    | 154    | 130    | 117    | 107    | 109    |
| 7. ICT-related services sector                                | 18,949 | 20,294 | 21,223 | 20,394 | 19,924 | 21,429 | 21,290 | 20,312 | 19,644 | 19,868 | 19,974 | 19,687 | 19,726 | 18,326 | 16,007 | 15,861 | 15,278 | 16,011 |
| ICT equipment leasing businesses                              | 4,336  | 4,906  | 5,016  | 4,669  | 4,717  | 4,864  | 4,840  | 4,799  | 4,249  | 4,365  | 4,263  | 4,089  | 4,038  | 3,436  | 2,883  | 2,826  | 2,846  | 2,919  |
| Advertising businesses                                        | 6,953  | 7,559  | 8,152  | 7,819  | 7,759  | 9,134  | 9,102  | 8,471  | 8,525  | 8,781  | 9,083  | 9,080  | 9,191  | 8,640  | 7,291  | 7,321  | 7,348  | 7,754  |
| Printing, publishing, binding businesses                      | 7,336  | 7,527  | 7,726  | 7,573  | 7,131  | 7,134  | 7,017  | 6,728  | 6,541  | 6,383  | 6,296  | 6,186  | 6,173  | 5,931  | 5,507  | 5,382  | 4,801  | 5,032  |
| Film and theatre businesses                                   | 325    | 302    | 329    | 332    | 316    | 298    | 331    | 314    | 328    | 339    | 332    | 332    | 324    | 319    | 327    | 332    | 283    | 306    |
| 8. ICT-related construction sector                            | 781    | 788    | 667    | 897    | 1,075  | 1,445  | 1,412  | 913    | 574    | 443    | 312    | 257    | 423    | 408    | 329    | 303    | 288    | 327    |
| Telecom facilities construction businesses                    | 781    | 788    | 667    | 897    | 1,075  | 1,445  | 1,412  | 913    | 574    | 443    | 312    | 257    | 423    | 408    | 329    | 303    | 288    | 327    |
| 9. Research                                                   | 11,011 | 11,355 | 11,676 | 11,971 | 12,194 | 12,562 | 12,749 | 12,745 | 12,633 | 12,940 | 13,153 | 13,681 | 14,344 | 14,274 | 13,216 | 12,741 | 12,925 | 12,931 |
| Research                                                      | 11,011 | 11,355 | 11,676 | 11,971 | 12,194 | 12,562 | 12,749 | 12,745 | 12,633 | 12,940 | 13,153 | 13,681 | 14,344 | 14,274 | 13,216 | 12,741 | 12,925 | 12,931 |
| ICT industry total                                            | 78,182 | 85,686 | 91,706 | 92,242 | 93,117 | 98,455 | 97,950 | 94,733 | 93,903 | 93,518 | 92,532 | 93,743 | 96,115 | 93,884 | 86,223 | 85,106 | 82,589 | 81,828 |

## Data Set 7 Transitions in real market sizes by sector in the ICT industry in Japan

[units: billions of yen, constant 2005 values]

|                                                               | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 2003   | 2004   | 2005   | 2006   | 2007    | 2008    | 2009   | 2010   | 2011   | 2012   |
|---------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 1. Telecommunications sector                                  | 8,894  | 10,342 | 12,004 | 13,430 | 14,762 | 16,230 | 17,353 | 18,029 | 18,582 | 17,935 | 16,358 | 17,576 | 18,507  | 18,355  | 18,521 | 18,738 | 18,925 | 18,107 |
| Postal                                                        | 2,068  | 2,110  | 2,123  | 2,119  | 2,114  | 2,108  | 2,084  | 2,038  | 1,985  | 1,952  | 1,904  | 1,902  | 1,908   | 1,892   | 1,846  | 1,808  | 1,788  | 1,776  |
| Fixed-line communications                                     | 5,909  | 6,601  | 7,127  | 7,551  | 8,175  | 8,869  | 9,643  | 10,240 | 10,353 | 9,216  | 7,030  | 7,191  | 7,668   | 7,606   | 7,642  | 7,133  | 6,658  | 5,679  |
| Mobile communications                                         | 863    | 1,575  | 2,699  | 3,703  | 4,420  | 5,197  | 5,570  | 5,685  | 6,176  | 6,696  | 7,350  | 8,408  | 8,857   | 8,784   | 8,963  | 9,727  | 10,409 | 10,583 |
| Services associated with telecommunications                   | 54     | 55     | 55     | 57     | 54     | 56     | 56     | 67     | 67     | 71     | 75     | 75     | 75      | 73      | 71     | 70     | 70     | 69     |
| 2. Broadcasting sector                                        | 2,994  | 3,019  | 3,039  | 3,112  | 3,180  | 3,279  | 3,338  | 3,517  | 3,609  | 3,637  | 3,678  | 3,679  | 3,745   | 3,658   | 3,704  | 3,564  | 3,197  | 3,109  |
| Public broadcasting                                           | 581    | 599    | 618    | 653    | 679    | 699    | 703    | 705    | 706    | 700    | 669    | 667    | 673     | 658     | 656    | 665    | 681    | 671    |
| Private broadcasting                                          | 2,154  | 2,190  | 2,155  | 2,164  | 2,176  | 2,242  | 2,287  | 2,431  | 2,492  | 2,505  | 2,544  | 2,522  | 2,522   | 2,436   | 2,457  | 2,277  | 1,910  | 1,860  |
| Cable broadcasting                                            | 259    | 231    | 266    | 295    | 325    | 337    | 348    | 381    | 411    | 433    | 466    | 490    | 550     | 563     | 590    | 622    | 606    | 578    |
| 3. Information services sector                                | 6,487  | 7,854  | 9,334  | 10,758 | 11,702 | 13,049 | 14,687 | 15,556 | 16,264 | 16,917 | 17,403 | 17,955 | 18,354  | 18,765  | 18,312 | 17,890 | 17,531 | 17,716 |
| Software                                                      | 4,101  | 5,069  | 5,836  | 6,596  | 7,294  | 8,175  | 9,377  | 9,646  | 9,847  | 9,948  | 10,028 | 10,554 | 10,660  | 10,765  | 10,341 | 9,916  | 9,694  | 9,847  |
| Information processing service provision                      | 2,386  | 2,785  | 3,498  | 4,162  | 4,408  | 4,874  | 5,310  | 5,910  | 6,417  | 6,968  | 7,375  | 7,401  | 7,695   | 8,001   | 7,970  | 7,975  | 7,837  | 7,869  |
| 4. Internet-related services sector                           | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1,216  | 1,406  | 1,905   | 2,403   | 2,325  | 3,071  | 4,051  | 4,112  |
| Services associated with the Internet                         | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1,216  | 1,406  | 1,905   | 2,403   | 2,325  | 3,071  | 4,051  | 4,112  |
| 5. Video, audio, or text information production sector        | 7,153  | 7,408  | 7,425  | 7,565  | 7,598  | 7,346  | 7,269  | 7,146  | 7,070  | 7,164  | 7,201  | 7,190  | 7,186   | 7,113   | 6,937  | 6,818  | 6,658  | 6,641  |
| Film makers and distributors                                  | 1,534  | 1,588  | 1,634  | 1,705  | 1,810  | 1,671  | 1,657  | 1,581  | 1,597  | 1,649  | 1,631  | 1,661  | 1,685   | 1,704   | 1,713  | 1,769  | 1,773  | 1,849  |
| Newspapers                                                    | 2,520  | 2,579  | 2,537  | 2,563  | 2,499  | 2,555  | 2,527  | 2,432  | 2,397  | 2,391  | 2,386  | 2,374  | 2,361   | 2,337   | 2,285  | 2,239  | 2,194  | 2,169  |
| Publishers                                                    | 2,559  | 2,641  | 2,597  | 2,574  | 2,481  | 2,358  | 2,355  | 2,442  | 2,444  | 2,568  | 2,604  | 2,575  | 2,562   | 2,489   | 2,351  | 2,229  | 2,109  | 2,055  |
| News providers                                                | 541    | 599    | 656    | 724    | 807    | 762    | 730    | 692    | 632    | 555    | 580    | 579    | 578     | 582     | 586    | 581    | 581    | 569    |
| 6. ICT-related manufacturing sector                           | 10,180 | 11,525 | 12,728 | 12,329 | 12,066 | 12,666 | 12,076 | 11,583 | 12,751 | 13,242 | 13,235 | 14,075 | 15,702  | 15,857  | 13,856 | 16,440 | 14,542 | 13,122 |
| Communication cable manufacturing                             | 207    | 297    | 323    | 286    | 275    | 312    | 385    | 332    | 340    | 251    | 237    | 272    | 257     | 244     | 211    | 248    | 198    | 244    |
| Cable communication equipment and appliance manufacturing     | 1,265  | 1,616  | 1,567  | 1,390  | 1,505  | 1,477  | 1,092  | 885    | 782    | 755    | 687    | 677    | 647     | 675     | 491    | 499    | 460    | 465    |
| Wireless communication equipment and appliance manufacturing  | 1,228  | 1,457  | 1,624  | 1,604  | 1,808  | 2,269  | 2,106  | 2,021  | 2,703  | 2,739  | 2,786  | 3,150  | 3,704   | 3,401   | 2,589  | 2,851  | 2,854  | 3,385  |
| Radio and television receiver / video equipment manufacturing | 768    | 722    | 779    | 783    | 755    | 965    | 1,006  | 1,279  | 1,729  | 2,118  | 2,279  | 2,802  | 3,421   | 3,953   | 4,268  | 5,968  | 4,355  | 2,469  |
| Electrical audio equipment and appliance manufacturing        | 1,449  | 1,386  | 1,545  | 1,580  | 1,580  | 1,563  | 1,402  | 1,437  | 1,544  | 1,383  | 1,186  | 1,251  | 979     | 766     | 565    | 544    | 416    | 395    |
| Computer and peripheral device manufacturing                  | 2,970  | 3,721  | 4,115  | 3,899  | 3,377  | 3,233  | 3,603  | 3,319  | 3,509  | 3,685  | 3,681  | 3,841  | 4,538   | 4,471   | 3,949  | 4,495  | 4,595  | 4,724  |
| Magnetic tape and magnetic disk manufacturing                 | 183    | 213    | 288    | 311    | 276    | 258    | 278    | 336    | 366    | 401    | 411    | 389    | 386     | 386     | 250    | 265    | 236    | 201    |
| Office and business equipment manufacturing                   | 1,845  | 1,856  | 2,233  | 2,221  | 2,242  | 2,339  | 2,006  | 1,805  | 1,596  | 1,725  | 1,777  | 1,508  | 1,606   | 1,808   | 1,399  | 1,451  | 1,320  | 1,128  |
| Information recording media manufacturing                     | 265    | 257    | 255    | 255    | 247    | 251    | 197    | 169    | 182    | 185    | 192    | 184    | 165     | 153     | 132    | 119    | 108    | 111    |
| 7. ICT-related services sector                                | 16,083 | 17,018 | 17,570 | 16,990 | 16,632 | 18,008 | 18,398 | 18,116 | 18,293 | 19,082 | 19,974 | 20,088 | 20,555  | 19,617  | 18,068 | 18,496 | 18,297 | 19,605 |
| ICT equipment leasing businesses                              | 1,324  | 1,678  | 1,813  | 1,737  | 1,837  | 2,037  | 2,518  | 2,891  | 3,066  | 3,659  | 4,263  | 4,374  | 4,677   | 4,344   | 4,094  | 4,308  | 4,685  | 5,224  |
| Advertising businesses                                        | 7,366  | 7,795  | 8,115  | 7,779  | 7,720  | 8,913  | 8,863  | 8,445  | 8,549  | 8,793  | 9,083  | 9,144  | 9,288   | 8,935   | 8,006  | 8,217  | 8,303  | 8,810  |
| Printing, publishing, binding businesses                      | 7,077  | 7,251  | 7,324  | 7,153  | 6,768  | 6,768  | 6,692  | 6,468  | 6,352  | 6,292  | 6,296  | 6,238  | 6,265   | 6,021   | 5,641  | 5,639  | 5,023  | 5,264  |
| Film and theatre businesses                                   | 316    | 294    | 318    | 321    | 307    | 291    | 326    | 312    | 326    | 338    | 332    | 332    | 324     | 317     | 327    | 332    | 285    | 307    |
| 8. ICT-related construction sector                            | 796    | 806    | 678    | 929    | 1,135  | 1,526  | 1,501  | 978    | 610    | 460    | 312    | 248    | 398     | 380     | 312    | 288    | 284    | 329    |
| Telecom facilities construction businesses                    | 796    | 806    | 678    | 929    | 1,135  | 1,526  | 1,501  | 978    | 610    | 460    | 312    | 248    | 398     | 380     | 312    | 288    | 284    | 329    |
| 9. Research                                                   | 10,672 | 11,033 | 11,227 | 11,475 | 11,791 | 12,244 | 12,462 | 12,544 | 12,524 | 12,889 | 13,153 | 13,833 | 14,636  | 14,761  | 13,738 | 13,526 | 13,988 | 14,117 |
| Research                                                      | 10,672 | 11,033 | 11,227 | 11,475 | 11,791 | 12,244 | 12,462 | 12,544 | 12,524 | 12,889 | 13,153 | 13,833 | 14,636  | 14,761  | 13,738 | 13,526 | 13,988 | 14,117 |
| ICT industry total                                            | 63,260 | 69,004 | 74,005 | 76,588 | 78,865 | 84,347 | 87,084 | 87,469 | 89,703 | 91,326 | 92,532 | 96,048 | 100,990 | 100,908 | 95,772 | 98,830 | 97,473 | 96,857 |

## Data Set 8 Transitions in nominal GDP by sector in the ICT industry in Japan

[units: billions of yen]

|                                                               | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 2003   | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   |
|---------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1. Telecommunications sector                                  | 8,601  | 9,505  | 10,176 | 10,315 | 10,318 | 10,543 | 10,598 | 10,595 | 10,705 | 10,130 | 9,308  | 9,034  | 8,971  | 8,616  | 8,392  | 7,889  | 7,785  | 7,314  |
| Postal                                                        | 1,645  | 1,700  | 1,707  | 1,669  | 1,625  | 1,602  | 1,605  | 1,598  | 1,574  | 1,565  | 1,525  | 1,475  | 1,464  | 1,465  | 1,472  | 1,447  | 1,423  | 1,412  |
| Fixed-line communications                                     | 5,845  | 6,050  | 6,053  | 5,859  | 5,769  | 5,791  | 5,772  | 5,798  | 5,746  | 4,944  | 3,890  | 3,861  | 4,081  | 4,081  | 4,093  | 3,912  | 3,654  | 3,174  |
| Mobile communications                                         | 1,063  | 1,707  | 2,369  | 2,740  | 2,881  | 3,107  | 3,179  | 3,152  | 3,338  | 3,575  | 3,846  | 3,654  | 3,382  | 3,027  | 2,785  | 2,490  | 2,669  | 2,690  |
| Services associated with telecommunications                   | 48     | 48     | 47     | 48     | 43     | 43     | 42     | 47     | 46     | 47     | 47     | 45     | 44     | 42     | 42     | 41     | 39     | 38     |
| 2. Broadcasting sector                                        | 1,200  | 1,248  | 1,313  | 1,326  | 1,340  | 1,403  | 1,455  | 1,495  | 1,556  | 1,617  | 1,665  | 1,671  | 1,693  | 1,592  | 1,545  | 1,538  | 1,409  | 1,390  |
| Public broadcasting                                           | 273    | 287    | 307    | 333    | 350    | 366    | 368    | 372    | 375    | 371    | 356    | 357    | 361    | 348    | 349    | 359    | 363    | 351    |
| Private broadcasting                                          | 782    | 834    | 857    | 827    | 808    | 849    | 887    | 903    | 941    | 995    | 1,041  | 1,029  | 1,012  | 922    | 856    | 817    | 693    | 703    |
| Cable broadcasting                                            | 145    | 128    | 148    | 165    | 182    | 188    | 199    | 220    | 240    | 252    | 269    | 284    | 319    | 322    | 339    | 362    | 352    | 337    |
| 3. Information services sector                                | 4,180  | 4,961  | 5,965  | 6,941  | 7,532  | 8,396  | 9,232  | 9,610  | 9,746  | 9,988  | 10,187 | 10,617 | 10,859 | 10,929 | 10,488 | 10,375 | 9,945  | 10,189 |
| Software                                                      | 2,389  | 2,968  | 3,580  | 4,198  | 4,677  | 5,284  | 5,888  | 5,940  | 5,823  | 5,793  | 5,780  | 6,199  | 6,333  | 6,378  | 5,994  | 5,726  | 5,429  | 5,651  |
| Information processing service provision                      | 1,792  | 1,993  | 2,386  | 2,743  | 2,855  | 3,112  | 3,344  | 3,670  | 3,923  | 4,195  | 4,408  | 4,418  | 4,526  | 4,550  | 4,494  | 4,649  | 4,516  | 4,538  |
| 4. Internet-related services sector                           | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 506    | 545    | 679    | 787    | 766    | 865    | 975    | 1,012  |
| Services associated with the Internet                         | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 506    | 545    | 679    | 787    | 766    | 865    | 975    | 1,012  |
| 5. Video, audio, or text information production sector        | 2,693  | 2,840  | 2,955  | 3,097  | 3,141  | 3,068  | 3,039  | 2,997  | 2,980  | 3,002  | 3,032  | 3,059  | 3,079  | 3,019  | 2,997  | 2,955  | 2,881  | 2,851  |
| Film makers and distributors                                  | 471    | 524    | 587    | 656    | 725    | 697    | 710    | 696    | 723    | 760    | 769    | 774    | 774    | 755    | 755    | 764    | 728    | 742    |
| Newspapers                                                    | 1,115  | 1,140  | 1,142  | 1,163  | 1,125  | 1,147  | 1,127  | 1,086  | 1,072  | 1,059  | 1,055  | 1,066  | 1,074  | 1,060  | 1,056  | 1,045  | 1,023  | 1,022  |
| Publishers                                                    | 823    | 862    | 878    | 891    | 866    | 828    | 825    | 859    | 863    | 903    | 915    | 929    | 945    | 923    | 903    | 870    | 863    | 825    |
| News providers                                                | 284    | 314    | 348    | 387    | 424    | 396    | 377    | 355    | 323    | 281    | 292    | 290    | 287    | 280    | 282    | 276    | 267    | 261    |
| 6. ICT-related manufacturing sector                           | 4,757  | 5,055  | 5,177  | 4,728  | 4,377  | 4,298  | 3,481  | 3,183  | 3,263  | 3,090  | 2,808  | 2,678  | 2,671  | 2,328  | 1,818  | 1,902  | 1,530  | 1,385  |
| Communication cable manufacturing                             | 116    | 156    | 154    | 121    | 108    | 119    | 132    | 99     | 92     | 54     | 44     | 54     | 49     | 42     | 43     | 42     | 35     | 37     |
| Cable communication equipment and appliance manufacturing     | 481    | 580    | 540    | 474    | 478    | 435    | 271    | 221    | 197    | 189    | 171    | 164    | 155    | 150    | 113    | 107    | 91     | 88     |
| Wireless communication equipment and appliance manufacturing  | 432    | 540    | 573    | 549    | 575    | 697    | 556    | 505    | 636    | 590    | 563    | 569    | 578    | 476    | 355    | 370    | 313    | 316    |
| Radio and television receiver / video equipment manufacturing | 661    | 567    | 542    | 502    | 459    | 522    | 439    | 485    | 545    | 536    | 472    | 486    | 507    | 457    | 409    | 486    | 301    | 203    |
| Electrical audio equipment and appliance manufacturing        | 575    | 504    | 507    | 502    | 486    | 460    | 357    | 364    | 387    | 341    | 281    | 285    | 223    | 156    | 117    | 112    | 86     | 85     |
| Computer and peripheral device manufacturing                  | 1,634  | 1,862  | 1,882  | 1,625  | 1,386  | 1,212  | 1,013  | 862    | 812    | 779    | 693    | 652    | 702    | 585    | 454    | 466    | 411    | 401    |
| Magnetic tape and magnetic disk manufacturing                 | 164    | 166    | 215    | 231    | 194    | 169    | 137    | 140    | 135    | 131    | 115    | 96     | 85     | 67     | 37     | 38     | 39     | 33     |
| Office and business equipment manufacturing                   | 595    | 583    | 667    | 624    | 593    | 583    | 497    | 439    | 386    | 398    | 395    | 306    | 310    | 341    | 242    | 238    | 214    | 180    |
| Information recording media manufacturing                     | 99     | 97     | 98     | 100    | 98     | 101    | 78     | 67     | 72     | 74     | 73     | 66     | 62     | 54     | 48     | 45     | 40     | 41     |
| 7. ICT-related services sector                                | 8,776  | 9,440  | 9,889  | 9,562  | 9,311  | 9,863  | 9,754  | 9,399  | 9,001  | 9,014  | 8,988  | 8,565  | 8,258  | 7,247  | 6,197  | 6,188  | 5,985  | 6,369  |
| ICT equipment leasing businesses                              | 2,770  | 3,140  | 3,233  | 3,029  | 3,045  | 3,138  | 3,109  | 3,090  | 2,744  | 2,798  | 2,731  | 2,492  | 2,320  | 1,833  | 1,435  | 1,433  | 1,458  | 1,429  |
| Advertising businesses                                        | 2,069  | 2,295  | 2,536  | 2,492  | 2,503  | 2,994  | 2,930  | 2,697  | 2,685  | 2,707  | 2,759  | 2,592  | 2,442  | 2,085  | 1,621  | 1,788  | 1,952  | 2,185  |
| Printing, publishing, binding businesses                      | 3,799  | 3,881  | 3,985  | 3,908  | 3,639  | 3,617  | 3,587  | 3,491  | 3,446  | 3,379  | 3,370  | 3,353  | 3,372  | 3,210  | 3,018  | 2,845  | 2,471  | 2,642  |
| Film and theatre businesses                                   | 137    | 125    | 135    | 134    | 124    | 114    | 127    | 121    | 127    | 131    | 128    | 128    | 124    | 120    | 123    | 123    | 105    | 113    |
| 8. ICT-related construction sector                            | 372    | 373    | 319    | 440    | 534    | 720    | 695    | 440    | 269    | 206    | 138    | 113    | 185    | 178    | 157    | 121    | 126    | 135    |
| Telecom facilities construction businesses                    | 372    | 373    | 319    | 440    | 534    | 720    | 695    | 440    | 269    | 206    | 138    | 113    | 185    | 178    | 157    | 121    | 126    | 135    |
| 9. Research                                                   | 6,924  | 7,124  | 7,345  | 7,551  | 7,624  | 7,819  | 7,708  | 7,532  | 7,295  | 7,223  | 7,141  | 7,379  | 7,649  | 7,394  | 6,796  | 6,558  | 6,590  | 6,536  |
| Research                                                      | 6,924  | 7,124  | 7,345  | 7,551  | 7,624  | 7,819  | 7,708  | 7,532  | 7,295  | 7,223  | 7,141  | 7,379  | 7,649  | 7,394  | 6,796  | 6,558  | 6,590  | 6,536  |
| ICT industry total                                            | 37,502 | 40,547 | 43,138 | 43,960 | 44,177 | 46,111 | 45,961 | 45,251 | 44,815 | 44,271 | 43,773 | 43,662 | 44,044 | 42,091 | 39,154 | 38,391 | 37,226 | 37,182 |

## Data Set 9 Transitions in real GDP by sector in the ICT industry in Japan

[units: billions of yen, constant 2005 values]

|                                                               | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 2003   | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   |
|---------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1. Telecommunications sector                                  | 5,844  | 6,570  | 7,307  | 7,798  | 8,090  | 8,696  | 9,368  | 9,790  | 10,145 | 9,855  | 9,308  | 9,850  | 10,342 | 10,600 | 10,545 | 10,925 | 11,297 | 10,923 |
| Postal                                                        | 1,637  | 1,692  | 1,708  | 1,680  | 1,620  | 1,604  | 1,606  | 1,592  | 1,564  | 1,556  | 1,525  | 1,499  | 1,495  | 1,525  | 1,477  | 1,449  | 1,427  | 1,416  |
| Fixed-line communications                                     | 3,794  | 4,109  | 4,244  | 4,215  | 4,187  | 4,321  | 4,791  | 5,154  | 5,286  | 4,728  | 3,890  | 3,928  | 4,170  | 4,254  | 4,136  | 3,916  | 3,633  | 3,152  |
| Mobile communications                                         | 374    | 728    | 1,315  | 1,863  | 2,246  | 2,734  | 2,934  | 3,001  | 3,252  | 3,526  | 3,846  | 4,376  | 4,631  | 4,775  | 4,888  | 5,516  | 6,193  | 6,312  |
| Services associated with telecommunications                   | 39     | 40     | 40     | 40     | 36     | 37     | 37     | 43     | 43     | 45     | 47     | 46     | 46     | 46     | 45     | 44     | 44     | 43     |
| 2. Broadcasting sector                                        | 1,377  | 1,372  | 1,376  | 1,401  | 1,411  | 1,407  | 1,440  | 1,531  | 1,596  | 1,618  | 1,665  | 1,689  | 1,731  | 1,669  | 1,671  | 1,611  | 1,419  | 1,375  |
| Public broadcasting                                           | 301    | 315    | 331    | 356    | 372    | 386    | 384    | 382    | 381    | 373    | 356    | 360    | 366    | 354    | 350    | 356    | 359    | 359    |
| Private broadcasting                                          | 928    | 926    | 893    | 877    | 854    | 827    | 855    | 928    | 976    | 997    | 1,041  | 1,041  | 1,040  | 986    | 980    | 894    | 713    | 686    |
| Cable broadcasting                                            | 148    | 131    | 151    | 169    | 186    | 194    | 201    | 220    | 239    | 249    | 269    | 287    | 324    | 329    | 341    | 362    | 347    | 331    |
| 3. Information services sector                                | 4,005  | 4,815  | 5,711  | 6,568  | 7,094  | 7,878  | 8,768  | 9,238  | 9,628  | 9,899  | 10,187 | 10,630 | 10,876 | 10,944 | 10,547 | 10,425 | 10,070 | 10,353 |
| Software                                                      | 2,467  | 3,043  | 3,511  | 3,964  | 4,336  | 4,827  | 5,484  | 5,619  | 5,729  | 5,727  | 5,780  | 6,152  | 6,223  | 6,185  | 5,866  | 5,627  | 5,390  | 5,586  |
| Information processing service provision                      | 1,539  | 1,772  | 2,200  | 2,604  | 2,759  | 3,052  | 3,284  | 3,619  | 3,899  | 4,171  | 4,408  | 4,477  | 4,653  | 4,759  | 4,682  | 4,797  | 4,680  | 4,767  |
| 4. Internet-related services sector                           | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 506    | 563    | 725    | 850    | 763    | 954    | 1,144  | 1,192  |
| Services associated with the Internet                         | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 506    | 563    | 725    | 850    | 763    | 954    | 1,144  | 1,192  |
| 5. Video, audio, or text information production sector        | 3,667  | 3,722  | 3,677  | 3,681  | 3,601  | 3,384  | 3,281  | 3,164  | 3,090  | 3,051  | 3,032  | 3,096  | 3,133  | 3,090  | 3,016  | 2,931  | 2,883  | 2,876  |
| Film makers and distributors                                  | 1,028  | 1,020  | 1,009  | 1,007  | 1,010  | 883    | 853    | 796    | 790    | 792    | 769    | 796    | 813    | 813    | 812    | 848    | 840    | 873    |
| Newspapers                                                    | 1,276  | 1,292  | 1,262  | 1,262  | 1,205  | 1,213  | 1,177  | 1,118  | 1,091  | 1,066  | 1,055  | 1,082  | 1,099  | 1,091  | 1,073  | 1,026  | 1,000  | 1,007  |
| Publishers                                                    | 1,073  | 1,092  | 1,064  | 1,040  | 980    | 914    | 891    | 908    | 894    | 916    | 915    | 921    | 923    | 888    | 833    | 759    | 745    | 702    |
| News providers                                                | 290    | 317    | 343    | 372    | 405    | 375    | 359    | 342    | 315    | 276    | 292    | 297    | 298    | 298    | 298    | 299    | 299    | 295    |
| 6. ICT-related manufacturing sector                           | -834   | -1,390 | -1,437 | -804   | -272   | 174    | -63    | 311    | 792    | 1,664  | 2,808  | 3,372  | 4,445  | 5,059  | 5,275  | 7,194  | 6,469  | 5,814  |
| Communication cable manufacturing                             | 19     | 34     | 43     | 41     | 47     | 61     | 73     | 59     | 64     | 47     | 44     | 56     | 52     | 51     | 43     | 49     | 49     | 62     |
| Cable communication equipment and appliance manufacturing     | 206    | 263    | 266    | 244    | 275    | 278    | 191    | 171    | 170    | 177    | 171    | 166    | 164    | 165    | 121    | 135    | 126    | 131    |
| Wireless communication equipment and appliance manufacturing  | 58     | -122   | -143   | -116   | -1     | 137    | 62     | 134    | 252    | 371    | 563    | 708    | 957    | 926    | 773    | 922    | 1,008  | 1,362  |
| Radio and television receiver / video equipment manufacturing | -396   | -348   | -349   | -324   | -291   | -300   | -214   | -182   | -91    | 152    | 472    | 793    | 1,301  | 1,814  | 2,395  | 3,735  | 2,859  | 1,677  |
| Electrical audio equipment and appliance manufacturing        | 109    | 130    | 182    | 224    | 266    | 305    | 251    | 278    | 331    | 314    | 281    | 293    | 237    | 180    | 135    | 130    | 90     | 79     |
| Computer and peripheral device manufacturing                  | -1,317 | -1,846 | -2,040 | -1,495 | -1,258 | -1,071 | -1,037 | -667   | -423   | 64     | 693    | 825    | 1,158  | 1,271  | 1,322  | 1,689  | 1,891  | 2,104  |
| Magnetic tape and magnetic disk manufacturing                 | -117   | -117   | -138   | -124   | -86    | -56    | -34    | -16    | 17     | 63     | 115    | 121    | 139    | 149    | 109    | 120    | 104    | 89     |
| Office and business equipment manufacturing                   | 484    | 502    | 630    | 637    | 674    | 717    | 567    | 470    | 403    | 406    | 395    | 342    | 373    | 443    | 326    | 367    | 299    | 265    |
| Information recording media manufacturing                     | 118    | 114    | 112    | 109    | 103    | 104    | 78     | 65     | 70     | 72     | 73     | 69     | 63     | 60     | 51     | 46     | 43     | 44     |
| 7. ICT-related services sector                                | 6,015  | 6,167  | 6,376  | 6,314  | 6,206  | 6,758  | 6,919  | 6,979  | 7,348  | 8,016  | 8,988  | 9,183  | 9,484  | 8,910  | 8,200  | 8,718  | 8,970  | 9,979  |
| ICT equipment leasing businesses                              | -42    | -102   | -61    | 65     | 231    | 433    | 643    | 925    | 1,272  | 1,905  | 2,731  | 2,852  | 3,073  | 2,828  | 2,650  | 2,899  | 3,283  | 3,715  |
| Advertising businesses                                        | 2,175  | 2,345  | 2,497  | 2,439  | 2,442  | 2,855  | 2,797  | 2,639  | 2,653  | 2,684  | 2,759  | 2,749  | 2,735  | 2,531  | 2,185  | 2,512  | 2,778  | 3,137  |
| Printing, publishing, binding businesses                      | 3,789  | 3,833  | 3,837  | 3,703  | 3,427  | 3,366  | 3,362  | 3,301  | 3,302  | 3,300  | 3,370  | 3,453  | 3,550  | 3,432  | 3,244  | 3,189  | 2,807  | 3,018  |
| Film and theatre businesses                                   | 93     | 91     | 103    | 108    | 106    | 104    | 118    | 114    | 122    | 127    | 128    | 129    | 125    | 120    | 121    | 118    | 102    | 109    |
| 8. ICT-related construction sector                            | 415    | 416    | 352    | 491    | 604    | 807    | 771    | 485    | 287    | 215    | 138    | 110    | 176    | 172    | 147    | 114    | 129    | 141    |
| Telecom facilities construction businesses                    | 415    | 416    | 352    | 491    | 604    | 807    | 771    | 485    | 287    | 215    | 138    | 110    | 176    | 172    | 147    | 114    | 129    | 141    |
| 9. Research                                                   | 6,920  | 7,132  | 7,263  | 7,407  | 7,521  | 7,749  | 7,628  | 7,461  | 7,251  | 7,188  | 7,141  | 7,606  | 8,069  | 8,021  | 7,380  | 7,326  | 7,689  | 7,781  |
| Research                                                      | 6,920  | 7,132  | 7,263  | 7,407  | 7,521  | 7,749  | 7,628  | 7,461  | 7,251  | 7,188  | 7,141  | 7,606  | 8,069  | 8,021  | 7,380  | 7,326  | 7,689  | 7,781  |
| ICT industry total                                            | 27,410 | 28,803 | 30,625 | 32,856 | 34,256 | 36,853 | 38,111 | 38,958 | 40,137 | 41,505 | 43,773 | 46,098 | 48,981 | 49,315 | 47,546 | 50,199 | 50,071 | 50,434 |

**Data Set 10 Transitions in employment numbers by sector in the ICT industry in Japan**

[units: thousands]

|                                                               | 1995         | 1996         | 1997         | 1998         | 1999         | 2000         | 2001         | 2002         | 2003         | 2004         | 2005         | 2006         | 2007         | 2008         | 2009         | 2010         | 2011         | 2012         |
|---------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>1. Telecommunications sector</b>                           | <b>560</b>   | <b>612</b>   | <b>623</b>   | <b>638</b>   | <b>672</b>   | <b>702</b>   | <b>677</b>   | <b>640</b>   | <b>594</b>   | <b>564</b>   | <b>552</b>   | <b>574</b>   | <b>580</b>   | <b>606</b>   | <b>574</b>   | <b>575</b>   | <b>556</b>   | <b>584</b>   |
| Postal                                                        | 195          | 211          | 225          | 238          | 252          | 264          | 278          | 287          | 264          | 266          | 285          | 280          | 277          | 270          | 250          | 246          | 244          | 246          |
| Fixed-line communications                                     | 287          | 302          | 286          | 279          | 288          | 287          | 262          | 227          | 219          | 202          | 186          | 208          | 215          | 242          | 228          | 230          | 211          | 234          |
| Mobile communications                                         | 69           | 91           | 104          | 113          | 124          | 143          | 130          | 119          | 106          | 91           | 76           | 80           | 83           | 89           | 92           | 94           | 96           | 99           |
| Services associated with telecommunications                   | 8            | 9            | 8            | 8            | 8            | 8            | 7            | 7            | 6            | 6            | 5            | 6            | 6            | 6            | 5            | 5            | 5            | 5            |
| <b>2. Broadcasting sector</b>                                 | <b>69</b>    | <b>70</b>    | <b>70</b>    | <b>69</b>    | <b>68</b>    | <b>66</b>    | <b>67</b>    | <b>73</b>    | <b>71</b>    | <b>70</b>    | <b>73</b>    | <b>76</b>    | <b>78</b>    | <b>76</b>    | <b>78</b>    | <b>78</b>    | <b>75</b>    | <b>76</b>    |
| Public broadcasting                                           | 17           | 17           | 16           | 16           | 15           | 14           | 14           | 14           | 14           | 14           | 15           | 14           | 14           | 13           | 13           | 13           | 13           | 12           |
| Private broadcasting                                          | 34           | 34           | 34           | 34           | 33           | 32           | 33           | 37           | 37           | 38           | 37           | 38           | 39           | 38           | 38           | 38           | 39           | 38           |
| Cable broadcasting                                            | 18           | 19           | 19           | 20           | 20           | 19           | 20           | 22           | 20           | 18           | 21           | 23           | 25           | 24           | 28           | 27           | 23           | 25           |
| <b>3. Information services sector</b>                         | <b>602</b>   | <b>648</b>   | <b>853</b>   | <b>889</b>   | <b>893</b>   | <b>936</b>   | <b>950</b>   | <b>948</b>   | <b>934</b>   | <b>975</b>   | <b>958</b>   | <b>1,002</b> | <b>959</b>   | <b>1,029</b> | <b>1,094</b> | <b>1,038</b> | <b>1,033</b> | <b>1,022</b> |
| Software                                                      | 352          | 398          | 549          | 575          | 607          | 617          | 646          | 630          | 613          | 633          | 612          | 641          | 618          | 691          | 754          | 711          | 708          | 701          |
| Information processing service provision                      | 250          | 250          | 304          | 314          | 286          | 319          | 305          | 318          | 321          | 342          | 346          | 362          | 340          | 339          | 340          | 327          | 325          | 322          |
| <b>4. Internet-related services sector</b>                    | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>0</b>     | <b>53</b>    | <b>61</b>    | <b>61</b>    | <b>130</b>   | <b>210</b>   | <b>253</b>   | <b>382</b>   | <b>462</b>   |
| Services associated with the Internet                         | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 53           | 61           | 61           | 130          | 210          | 253          | 382          | 462          |
| <b>5. Video, audio, or text information production sector</b> | <b>238</b>   | <b>238</b>   | <b>240</b>   | <b>242</b>   | <b>240</b>   | <b>235</b>   | <b>241</b>   | <b>248</b>   | <b>251</b>   | <b>259</b>   | <b>259</b>   | <b>255</b>   | <b>251</b>   | <b>243</b>   | <b>233</b>   | <b>226</b>   | <b>218</b>   | <b>213</b>   |
| Film makers and distributors                                  | 48           | 51           | 55           | 58           | 62           | 57           | 57           | 57           | 57           | 62           | 62           | 62           | 61           | 60           | 57           | 59           | 59           | 60           |
| Newspapers                                                    | 84           | 82           | 81           | 81           | 76           | 74           | 77           | 78           | 77           | 77           | 76           | 76           | 73           | 71           | 69           | 66           | 63           | 61           |
| Publishers                                                    | 83           | 80           | 77           | 74           | 71           | 77           | 84           | 91           | 97           | 103          | 106          | 105          | 104          | 100          | 94           | 89           | 84           | 80           |
| News providers                                                | 23           | 25           | 27           | 29           | 31           | 28           | 23           | 22           | 20           | 17           | 16           | 13           | 13           | 13           | 13           | 13           | 13           | 12           |
| <b>6. ICT-related manufacturing sector</b>                    | <b>567</b>   | <b>536</b>   | <b>520</b>   | <b>510</b>   | <b>487</b>   | <b>451</b>   | <b>388</b>   | <b>342</b>   | <b>321</b>   | <b>290</b>   | <b>255</b>   | <b>262</b>   | <b>277</b>   | <b>231</b>   | <b>203</b>   | <b>197</b>   | <b>181</b>   | <b>145</b>   |
| Communication cable manufacturing                             | 9            | 9            | 9            | 7            | 7            | 7            | 6            | 6            | 5            | 4            | 4            | 4            | 4            | 5            | 5            | 5            | 4            | 4            |
| Cable communication equipment and appliance manufacturing     | 61           | 65           | 61           | 62           | 55           | 47           | 36           | 27           | 23           | 17           | 18           | 17           | 19           | 17           | 17           | 17           | 16           | 13           |
| Wireless communication equipment and appliance manufacturing  | 50           | 53           | 50           | 55           | 61           | 64           | 67           | 64           | 63           | 56           | 50           | 57           | 60           | 51           | 46           | 49           | 46           | 35           |
| Radio and television receiver / video equipment manufacturing | 103          | 85           | 79           | 70           | 65           | 60           | 49           | 55           | 61           | 58           | 49           | 49           | 49           | 28           | 26           | 25           | 24           | 17           |
| Electrical audio equipment and appliance manufacturing        | 93           | 80           | 74           | 72           | 69           | 60           | 45           | 41           | 37           | 35           | 31           | 30           | 31           | 24           | 21           | 19           | 18           | 15           |
| Computer and peripheral device manufacturing                  | 169          | 162          | 153          | 148          | 139          | 127          | 109          | 80           | 74           | 70           | 60           | 63           | 69           | 61           | 52           | 47           | 41           | 32           |
| Magnetic tape and magnetic disk manufacturing                 | 12           | 12           | 18           | 19           | 14           | 12           | 11           | 11           | 10           | 10           | 8            | 8            | 7            | 7            | 5            | 4            | 4            | 4            |
| Office and business equipment manufacturing                   | 64           | 62           | 67           | 69           | 68           | 65           | 57           | 50           | 41           | 34           | 29           | 28           | 31           | 32           | 25           | 24           | 22           | 19           |
| Information recording media manufacturing                     | 6            | 7            | 7            | 8            | 7            | 8            | 8            | 7            | 6            | 7            | 6            | 6            | 5            | 6            | 6            | 6            | 6            | 5            |
| <b>7. ICT-related services sector</b>                         | <b>724</b>   | <b>725</b>   | <b>754</b>   | <b>756</b>   | <b>741</b>   | <b>765</b>   | <b>803</b>   | <b>706</b>   | <b>711</b>   | <b>717</b>   | <b>748</b>   | <b>743</b>   | <b>766</b>   | <b>756</b>   | <b>720</b>   | <b>696</b>   | <b>688</b>   | <b>708</b>   |
| ICT equipment leasing businesses                              | 45           | 49           | 62           | 64           | 60           | 74           | 76           | 82           | 89           | 94           | 102          | 105          | 112          | 103          | 97           | 101          | 110          | 121          |
| Advertising businesses                                        | 175          | 177          | 192          | 181          | 192          | 218          | 223          | 221          | 204          | 196          | 202          | 207          | 218          | 232          | 224          | 210          | 210          | 205          |
| Printing, publishing, binding businesses                      | 484          | 480          | 477          | 486          | 464          | 450          | 479          | 379          | 394          | 403          | 421          | 407          | 413          | 399          | 377          | 363          | 347          | 361          |
| Film and theatre businesses                                   | 21           | 20           | 23           | 25           | 24           | 22           | 25           | 24           | 24           | 24           | 24           | 24           | 24           | 23           | 22           | 21           | 21           | 21           |
| <b>8. ICT-related construction sector</b>                     | <b>48</b>    | <b>50</b>    | <b>44</b>    | <b>60</b>    | <b>73</b>    | <b>100</b>   | <b>81</b>    | <b>61</b>    | <b>49</b>    | <b>36</b>    | <b>23</b>    | <b>19</b>    | <b>30</b>    | <b>28</b>    | <b>35</b>    | <b>32</b>    | <b>32</b>    | <b>36</b>    |
| Telecom facilities construction businesses                    | 48           | 50           | 44           | 60           | 73           | 100          | 81           | 61           | 49           | 36           | 23           | 19           | 30           | 28           | 35           | 32           | 32           | 36           |
| <b>9. Research</b>                                            | <b>794</b>   | <b>790</b>   | <b>800</b>   | <b>789</b>   | <b>807</b>   | <b>787</b>   | <b>757</b>   | <b>701</b>   | <b>700</b>   | <b>699</b>   | <b>702</b>   | <b>728</b>   | <b>733</b>   | <b>726</b>   | <b>736</b>   | <b>734</b>   | <b>733</b>   | <b>722</b>   |
| Research                                                      | 794          | 790          | 800          | 789          | 807          | 787          | 757          | 701          | 700          | 699          | 702          | 728          | 733          | 726          | 736          | 734          | 733          | 722          |
| <b>ICT industry total</b>                                     | <b>3,603</b> | <b>3,670</b> | <b>3,902</b> | <b>3,953</b> | <b>3,979</b> | <b>4,042</b> | <b>3,966</b> | <b>3,719</b> | <b>3,632</b> | <b>3,609</b> | <b>3,623</b> | <b>3,719</b> | <b>3,734</b> | <b>3,825</b> | <b>3,884</b> | <b>3,828</b> | <b>3,898</b> | <b>3,968</b> |