

## **PAYMENT AND SETTLEMENT STATISTICS**

( January 2001 )

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## A. Settlement via Bank of Japan (BOJ) Accounts

### 1. Settlement via BOJ Accounts<sup>1</sup>

Yen amounts in trillions, daily average; figures in parentheses are percent changes from the previous year

|            | Number of Transactions | BOJ Funds Transfers | Value of Transactions | BOJ Funds Transfers | Settlement                   |                               |                                |                                      |  | Others |
|------------|------------------------|---------------------|-----------------------|---------------------|------------------------------|-------------------------------|--------------------------------|--------------------------------------|--|--------|
|            |                        |                     |                       |                     | for Private Clearing Systems | Bill & Check Clearing Systems | Domestic Funds Transfer System | Foreign Exchange Yen Clearing System | Tokyo International Financial Futures Exchange |        |
| 1999       | 19,634 ( -8.6 )        | 14,392              | 140.8 ( -19.4 )       | 127.6               | 6.2                          | 2.6                           | 1.6                            | 1.9                                  | 0.002  | 7.0    |
| 2000       | 19,013 ( -3.2 )        | 14,028              | 142.7 ( +1.4 )        | 128.0               | 6.1                          | 2.5                           | 1.7                            | 1.9                                  | 0.001  | 8.6    |
| 2000/ Jan. | 16,765 ( -20.4 )       | 11,812              | 120.4 ( -24.8 )       | 105.6               | 6.3                          | 2.7                           | 1.8                            | 1.8                                  | 0.001  | 8.5    |
| 2000/ Nov. | 19,766 ( +3.4 )        | 14,947              | 152.2 ( +13.2 )       | 139.0               | 5.3                          | 2.0                           | 1.5                            | 1.7                                  | 0.001  | 7.9    |
| Dec.       | 18,794 ( +7.9 )        | 13,893              | 143.7 ( +10.3 )       | 128.6               | 5.8                          | 2.3                           | 1.7                            | 1.9                                  | 0.001  | 9.2    |
| 2001/ Jan. | 17,628 ( +5.1 )        | 12,994              | 68.4 ( -43.2 )        | 55.2                | 6.1                          | 1.9                           | 1.9                            | 2.4                                  | 0.001  | 7.0    |

1. Refers to funds transfers through their BOJ accounts between financial institutions based on the number of payment orders. Transactions are categorized into (1) funds transfers via BOJ accounts among financial institutions, including those related to DVP settlement of Japanese Government Bond (JGB) and non-JGB bonds, (2) funds settlement arising from private clearing systems (the bill and check clearing systems, the Domestic Funds Transfer System, the Foreign Exchange Yen Clearing System and the Tokyo International Financial Futures Exchange), and (3) other transactions, such as lending to financial institutions and receipt and payment of banknotes and coins.

## 2. BOJ Funds Transfers

Yen amounts in 100 millions, daily average of funds transfer based on the number of payment orders; figures in parentheses are percent changes from the previous year

|            | Number of Transactions | Value of Transactions | Value per Transaction | Transfer Instruction with Customer Information <sup>1</sup> |                       |                       |
|------------|------------------------|-----------------------|-----------------------|---|-----------------------|-----------------------|
|            |                        |                       |                       | Number of Transactions                                      | Value of Transactions | Value per Transaction |
| 1999       | 14,392 ( -9.2 )        | 1,275,596 ( -19.4 )   | 88.6                  | 245   | 49,925                | 203                   |
| 2000       | 14,028 ( -2.5 )        | 1,280,256 ( +0.4 )    | 91.3                  | 243   | 49,604                | 204                   |
| 2000/ Jan. | 11,812 ( -25.4 )       | 1,055,668 ( -27.8 )   | 89.4                  | 216   | 46,543                | 215                   |
| 2000/ Nov. | 14,947 ( +7.2 )        | 1,390,146 ( +13.8 )   | 93.0                  | 275   | 49,251                | 179                   |
| Dec.       | 13,893 ( +13.2 )       | 1,286,293 ( +11.8 )   | 92.6                  | 272   | 49,494                | 182                   |
| 2001/ Jan. | 12,994 ( +10.0 )       | 552,308 ( -47.7 )     | 42.5                  | 462   | 52,205                | 113                   |

1. Refers to funds transfers in which a BOJ-NET participant (sending bank) can transfer funds to a funds receiver (receiving bank) with information on the sending and/or receiving bank's customer. Figures for total receipts and payments based on the day of settlement of transactions.

### 3. Japanese Government Bond (JGB) Book-Entry Transfers and JGB Transfer Registrations

#### (1) Number of Transfers and Registrations<sup>1</sup>

Daily average; figures in parentheses are percent changes from the previous year

|            | Book-Entry Transfers <sup>2</sup> |                    |                   | Transfer Registrations <sup>3</sup> |                 |
|------------|-----------------------------------|--------------------|-------------------|-------------------------------------|-----------------|
|            | Number of Transfers               | DVP                | SPDC <sup>4</sup> | Number of Requests                  | DVP             |
| 1999       | 4,281 ( +36.6 )                   | 2,686 ( +66.0 )    | ... ( ... )       | 3,902 ( -20.9 )                     | 2,768 ( -23.1 ) |
| 2000       | 8,361 ( +95.3 )                   | 5,718 ( 2.1times ) | ... ( ... )       | 578 ( -85.2 )                       | 225 ( -91.9 )   |
| 2000/ Jan. | 5,695 ( +98.0 )                   | 3,759 ( 2.5times ) | ... ( ... )       | 1,104 ( -78.9 )                     | 541 ( -86.4 )   |
| 2000/ Nov. | 9,366 ( +47.5 )                   | 6,556 ( +42.6 )    | ... ( ... )       | 268 ( -85.4 )                       | 15 ( -98.4 )    |
| Dec.       | 8,673 ( +75.2 )                   | 5,529 ( +70.8 )    | ... ( ... )       | 290 ( -75.7 )                       | 18 ( -96.8 )    |
| 2001/ Jan. | 7,930 ( +39.2 )                   | 5,326 ( +41.7 )    | 5,207 ( ... )     | 116 ( -89.5 )                       | 2 ( -99.6 )     |

#### (2) Value of Transfers and Registrations<sup>1</sup>

Yen amounts in 100 millions, daily average; figures in parentheses are percent changes from the previous year

|            | Book-Entry Transfers <sup>2</sup> |                      |                   | Transfer Registrations <sup>3</sup> |                  |
|------------|-----------------------------------|----------------------|-------------------|-------------------------------------|------------------|
|            | Value of Transfers                | DVP                  | SPDC <sup>4</sup> | Value of Requests                   | DVP              |
| 1999       | 252,240 ( +45.0 )                 | 131,425 ( +57.6 )    | ... ( ... )       | 117,574 ( -30.5 )                   | 93,747 ( -29.0 ) |
| 2000       | 419,178 ( +66.2 )                 | 257,756 ( +96.1 )    | ... ( ... )       | 17,975 ( -84.7 )                    | 9,526 ( -89.8 )  |
| 2000/ Jan. | 280,904 ( +81.3 )                 | 146,597 ( +99.0 )    | ... ( ... )       | 29,539 ( -81.8 )                    | 18,251 ( -85.9 ) |
| 2000/ Nov. | 476,441 ( +42.8 )                 | 317,152 ( +63.6 )    | ... ( ... )       | 4,842 ( -91.2 )                     | 235 ( -99.4 )    |
| Dec.       | 426,028 ( +70.1 )                 | 269,962 ( 2.1times ) | ... ( ... )       | 5,053 ( -84.5 )                     | 180 ( -99.2 )    |
| 2001/ Jan. | 280,387 ( -0.2 )                  | 157,567 ( +7.5 )     | 153,661 ( ... )   | 1,486 ( -95.0 )                     | 8 ( -100.0 )     |

1. Excludes substitute certificate from January 2001.

2. Refers to transfers between securities accounts in the Participants Book at the Bank of Japan under the JGB Book-entry System.

3. Refers to the updating of the names of JGB holders in the Registration Book under the JGB Registration System.

4. SPDC stands for Simultaneous Processing of DVP and Collateralization, which is a facility that enables simultaneous and linked processing of DVP and a collateral transaction.

#### 4. Treasury Funds Transactions

Number of transactions in thousands; yen amounts in 100 millions; daily average; figures in parentheses are percent changes from the previous year

|            | Number of Transactions <sup>1</sup> |         |         | Value of Transactions <sup>2</sup> |         |         |
|------------|-------------------------------------|---------|---------|------------------------------------|---------|---------|
|            |                                     | Receipt | Payment |                                    | Receipt | Payment |
| FY 1998    | 1,098 ( +2.8 )                      | 339     | 759     | 66,792 ( +5.0 )                    | 33,337  | 33,454  |
| 1999       | 1,121 ( +2.1 )                      | 333     | 787     | 64,376 ( -3.6 )                    | 32,406  | 31,971  |
| 2000/ Jan. | 555 ( +2.1 )                        | 339     | 216     | 54,685 ( -19.1 )                   | 28,252  | 26,433  |
| 2000/ Nov. | 543 ( +1.7 )                        | 314     | 229     | 54,535 ( -11.8 )                   | 28,490  | 26,044  |
| Dec.       | 1,665 ( +0.1 )                      | 345     | 1,320   | 64,285 ( +19.3 )                   | 31,232  | 33,053  |
| 2001/ Jan. | 570 ( +2.7 )                        | 354     | 217     | 59,502 ( +8.8 )                    | 31,894  | 27,608  |

1. Includes receipt and payment of funds resulting from transactions between the government and private financial institutions, and those between the government and the Bank of Japan, and intra-treasury transactions. Intra-treasury transactions refer to transactions between governmental organizations on accounts without the actual transfer of funds.

2. Includes receipt and payment of funds resulting from transactions between the government and private financial institutions and those between the government and the Bank of Japan. This figure does not include intra-treasury transactions.

#### 5. Receipt and Payment of Banknotes

Yen amounts in 100 millions, yearly/monthly total; figures in parentheses are percent changes from the previous year

|            | Receipt           | Payment           | Net Value <sup>1</sup> |
|------------|-------------------|-------------------|------------------------|
| 1999       | 810,505 ( -9.0 )  | 905,904 ( +0.3 )  | 95,398                 |
| 2000       | 870,815 ( +7.4 )  | 850,740 ( -6.1 )  | -20,075                |
| 2000/ Jan. | 148,468 ( +45.1 ) | 37,536 ( -25.1 )  | -110,931               |
| 2000/ Nov. | 64,406 ( +5.7 )   | 70,575 ( +6.7 )   | 6,168                  |
| Dec.       | 58,574 ( +30.0 )  | 120,855 ( -29.6 ) | 62,281                 |
| 2001/ Jan. | 100,376 ( -32.4 ) | 41,669 ( +11.0 )  | -58,707                |

1. Negative figures represent net receipt of funds.

## B. Private Clearing Systems

### 1. Bill and Check Clearing<sup>1</sup>

Volume of bills and checks exchanged in thousands; yen amounts in 100 millions; figures in parentheses are percent changes from the previous year

|            | Number of<br>Bills and Checks<br>Exchanged <sup>2</sup> | Value of<br>Bills and Checks<br>Exchanged <sup>2</sup> | Value per<br>Bill/Check<br>(in thousands<br>of yen ) | Peak daily<br>Number of<br>Bills and Checks<br>Exchanged | Peak daily<br>Value of<br>Bills and Checks<br>Exchanged | Settlement via BOJ Accounts <sup>3</sup> |  |             |
|------------|---|--|--|--|---|--|--|-------------|
|            |   |  |  |  |   | Settlement<br>Value <sup>2,4</sup>       | Peak Net Settlement                    |             |
|            |   |  |  |  |   |  | Value of Individual Banks <sup>5</sup> |             |
|            |   |  |  |  |   |  | Net Receipt                            | Net Payment |
| 1999       | 339 ( -8.1 )  | 34,172 ( -10.9 )                                       | 10,063   | 1,162  | 153,097   | 20,675                                   | 15,302                                 | 9,372       |
| 2000       | 314 ( -7.4 )  | 31,523 ( -7.8 )  | 10,021   | 1,035  | 114,137   | 19,915                                   | 8,837                                  | 8,895       |
| 2000/ Jan. | 345 ( +4.0 )  | 34,250 ( -2.4 )  | 9,903  | 1,011  | 93,860  | 21,125                                   | 7,516                                  | 6,858       |
| 2000/ Nov. | 309 ( -15.6 )   | 27,486 ( -15.4 )                                       | 8,886  | 902  | 93,079  | 15,718                                   | 4,210                                  | 4,892       |
| Dec.       | 305 ( -9.6 )  | 28,874 ( -3.2 )  | 9,466  | 447  | 52,061  | 17,588                                   | 8,130                                  | 6,640       |
| 2001/ Jan. | 341 ( -1.2 )  | 24,355 ( -28.9 )                                       | 7,127  | 1,103  | 77,833  | 13,535                                   | 4,515                                  | 2,549       |

1. Figures for the Tokyo clearing house only. Based on data from the Tokyo Bankers Association.

2. Daily average.

3. Based on data from the Bank of Japan.

4. Total funds received and paid.

5. The largest amount of daily net funds received and paid by individual banks in a month/year.

## 2. Zengin System<sup>1</sup>

Transactions in thousands; yen amount in 100 millions ; figures in parentheses are percent changes from the previous year

|            | Number of Transactions <sup>2</sup> | Value of Transactions <sup>2</sup> | Value per Transaction<br>(in thousands of yen ) | Peak daily Number of Transactions | Peak daily Value of Transactions | Settlement via BOJ Accounts <sup>3</sup> |  |             |
|------------|-------------------------------------|------------------------------------|---|-----------------------------------|----------------------------------|--|--|-------------|
|            |                                     |                                    |   |                                   |                                  | Settlement Value <sup>2,4</sup>          | Peak Net Settlement Value of Individual Banks <sup>5</sup> |             |
|            |                                     |                                    |   |                                   |                                  |  | Net Receipt  | Net Payment |
| 1999       | 4,569 ( +3.1 )                      | 89,237 ( -2.9 )                    | 1,953   | 17,255                            | 489,574                          | 16,473                                   | 4,448  | 5,668       |
| 2000       | 4,708 ( +3.0 )                      | 90,332 ( +1.2 )                    | 1,919   | 18,321                            | 466,944                          | 16,970                                   | 5,800  | 6,884       |
| 2000/ Jan. | 4,558 ( +6.1 )                      | 89,792 ( +3.3 )                    | 1,970   | 14,968                            | 342,547                          | 18,350                                   | 3,262  | 3,991       |
| 2000/ Nov. | 4,791 ( +2.3 )                      | 88,501 ( -0.1 )                    | 1,847   | 16,009                            | 374,635                          | 15,489                                   | 3,203  | 6,179       |
| Dec.       | 5,579 ( +3.8 )                      | 97,395 ( +5.2 )                    | 1,746   | 14,769                            | 246,200                          | 17,264                                   | 3,241  | 6,430       |
| 2001/ Jan. | 4,923 ( +8.0 )                      | 107,258 ( +19.5 )                  | 2,179   | 15,481                            | 399,931                          | 18,641                                   | 3,978  | 5,551       |

1. Based on data from the Japanese Bankers Association.

2. Daily average.

3. Based on data from the Bank of Japan.

4. Total funds received and paid.

5. The largest amount of daily net funds received and paid by individual banks in a month/year.

### 3. Foreign Exchange Yen Clearing System<sup>1,2</sup>

Yen amount in 100 millions; figures in parentheses are percent changes from the previous year

|            | Number of Transactions <sup>3,7</sup> | Value of Transactions <sup>3,7</sup> | Value per Transaction | Peak daily Value of Transactions | Settlement via BOJ Accounts <sup>4</sup> |  |             |
|------------|---------------------------------------|--------------------------------------|-----------------------|----------------------------------|--|--|-------------|
|            |                                       |                                      |                       |                                  | Settlement Value <sup>3,5,7</sup>        | Peak Net Settlement Value of Individual Banks <sup>6</sup> |             |
|            |                                       |                                      |                       |                                  |  | Net Receipt  | Net Payment |
| 1999       | 40,795 ( -9.7 )                       | 290,146 ( -33.0 )                    | 7.1                   | 618,375                          | 19,420                                   | 6,687  | 6,143       |
| 2000       | 37,494 ( -8.1 )                       | 251,894 ( -13.2 )                    | 6.7                   | 422,715                          | 18,637                                   | 7,116  | 6,167       |
| 2000/ Jan. | 37,840 ( -10.4 )                      | 217,371 ( -34.2 )                    | 5.7                   | 411,594                          | 18,126                                   | 5,075  | 4,851       |
| 2000/ Nov. | 35,467 ( -9.2 )                       | 243,127 ( -3.6 )                     | 6.9                   | 296,899                          | 16,943                                   | 5,181  | 2,952       |
| Dec.       | 35,361 ( +2.2 )                       | 244,456 ( +12.5 )                    | 6.9                   | 350,882                          | 18,509                                   | 4,509  | 4,150       |
| 2001/ Jan. | 43,225 ( +14.2 )                      | 302,000 ( +38.9 )                    | 7.0                   | 467,014                          | 23,688                                   | 5,770  | 5,698       |

1. Based on data from the Tokyo Bankers Association.

2. On December 7 1998, the Foreign Exchange Yen Clearing System introduced a risk reduction measure that enables participants to settle on both a net and an RTGS basis.

3. Daily average.

4. Based on data from the Bank of Japan.

5. Total funds received and paid.

6. The largest amount of daily net funds received and paid by individual banks in a month/year.

7. Figures for December 1998 include transactions on an RTGS basis.



#### 4. Tokyo International Financial Futures Exchange<sup>1</sup>

Figures in parentheses are percent changes from the previous year

|            | Trading Volume <sup>2,3</sup> | Open Interest <sup>2,4</sup> | Peak daily<br>Value of<br>Transactions | Settlement via BOJ Accounts <sup>5</sup> |   |             |
|------------|-------------------------------|------------------------------|--|--|---|-------------|
|            |                               |                              |  | Settlement<br>Value <sup>3,6</sup>       | Peak Net Settlement<br>Value of Individual Banks <sup>7</sup> |             |
|            |                               |                              |  |  | Net Receipt   | Net Payment |
| 1999       | 59,479 ( -30.6 )              | 1,125,084 ( +10.9 )          | 309,388                                | 1,649                                    | 2,967   | 2,853       |
| 2000       | 68,862 ( +15.8 )              | 773,845 ( -31.2 )            | 268,599                                | 1,379                                    | 1,970   | 1,781       |
| 2000/ Jan. | 69,700 ( +30.9 )              | 1,276,144 ( +14.0 )          | 140,899                                | 1,473                                    | 646   | 850         |
| 2000/ Nov. | 52,503 ( -23.6 )              | 1,223,473 ( -15.6 )          | 92,391                                 | 796                                      | 512   | 348         |
| Dec.       | 66,829 ( +8.7 )               | 773,845 ( -31.2 )            | 118,436                                | 1,080                                    | 847   | 1,040       |
| 2001/ Jan. | 62,080 ( -10.9 )              | 920,305 ( -27.9 )            | 159,199                                | 1,298                                    | 1,028   | 868         |

1. Based on data from the Tokyo International Financial Futures Exchange.

2. Figures for 3-month Euro-yen Futures. Contract unit is 100 million yen.

3. Daily average.

4. End of month.

5. Million yen. Based on data from the Bank of Japan.

6. Total funds received and paid.

7. The largest amount of daily net funds received and paid by individual banks in a month/year.

## C. Others

### 1. SWIFT (Society for Worldwide Interbank Financial Telecommunication)<sup>1</sup>

Figures in parentheses are percent changes from the previous year

|            | Total Number of Messages Sent <sup>2</sup> | Total Number of Messages Sent <sup>2</sup> |                      |            | Japan's Share of Global SWIFT Traffic | Number of Users in Japan |
|------------|--|--|----------------------|------------|---------------------------------------|--------------------------|
|            |  | Customer Funds Transfers                   | Bank Funds Transfers | Others     |                                       |                          |
| 1999       | 37,297,667 ( +16.4 )                       | 6,098,427                                  | 6,243,182            | 24,956,058 | 3.3                                   | 266                      |
| 2000       | 40,194,993 ( +7.8 )                        | 6,342,716                                  | 6,311,455            | 27,540,822 | 3.3                                   | 266                      |
| 2000/ Jan. | 2,931,871 ( +11.9 )                        | 456,820                                    | 461,362              | 2,013,689  | 3.2                                   | 266                      |
| Nov.       | 3,352,137 ( +1.8 )                         | 533,065                                    | 518,360              | 2,300,712  | 3.0                                   | 264                      |
| Dec.       | 3,609,973 ( +11.8 )                        | 579,788                                    | 559,872              | 2,470,313  | 3.3                                   | 266                      |
| 2001/ Jan. | 3,390,384 ( +15.6 )                        | 487,801                                    | 523,309              | 2,379,274  | 2.8                                   | 268                      |

1. Based on data from the Japanese Bankers Association.

2. Total number of messages sent by banks in Japan including branches of foreign banks.