

# Detailed data on over-the-counter (OTC) derivatives markets

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# Notional amounts outstanding of OTC foreign exchange derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-December 2004\*

### All currencies

In millions of US dollars

| Category                                     | Total      | US dollar  | Euro       | Japanese<br>yen | Pound<br>sterling | Swiss<br>franc |
|----------------------------------------------|------------|------------|------------|-----------------|-------------------|----------------|
| OUTRIGHT FORWARDS AND FOREIGN EXCHANGE SWAPS | 15,242,224 | 13,741,546 | 5,729,945  | 3,112,833       | 2,073,329         | 838,856        |
| with reporting dealers                       | 5,939,110  | 5,821,009  | 1,962,727  | 1,515,298       | 677,892           | 280,819        |
| with other financial institutions            | 6,161,651  | 5,485,907  | 2,285,311  | 1,058,099       | 796,390           | 327,082        |
| with non-financial customers                 | 3,141,466  | 2,434,631  | 1,481,907  | 539,435         | 599,047           | 230,954        |
| TOTAL INCLUDING GOLD                         | 15,374,669 |            |            |                 |                   |                |
| CURRENCY SWAPS                               | 8,217,385  | 6,810,318  | 3,763,747  | 1,803,296       | 1,644,654         | 360,883        |
| with reporting dealers                       | 3,112,112  | 2,795,954  | 1,310,206  | 723,980         | 601,165           | 115,156        |
| with other financial institutions            | 3,477,223  | 2,823,655  | 1,632,773  | 667,226         | 690,096           | 171,021        |
| with non-financial customers                 | 1,628,055  | 1,190,709  | 820,768    | 412,090         | 353,395           | 74,705         |
| OPTIONS SOLD                                 | 4,412,465  | 3,906,092  | 1,674,395  | 1,693,496       | 408,911           | 200,877        |
| with reporting dealers                       | 2,596,843  | 2,285,127  | 1,023,981  | 1,042,624       | 184,802           | 124,385        |
| with other financial institutions            | 1,044,274  | 949,775    | 376,148    | 394,308         | 68,307            | 49,440         |
| with non-financial customers                 | 771,349    | 671,190    | 274,267    | 256,565         | 155,802           | 27,050         |
| TOTAL INCLUDING GOLD                         | 4,555,724  |            |            |                 |                   |                |
| OPTIONS BOUGHT                               | 4,315,183  | 3,851,505  | 1,876,302  | 1,463,304       | 409,315           | 175,767        |
| with reporting dealers                       | 2,628,368  | 2,337,856  | 1,193,161  | 937,576         | 190,241           | 105,693        |
| with other financial institutions            | 956,427    | 876,533    | 448,868    | 269,735         | 67,498            | 38,540         |
| with non-financial customers                 | 730,391    | 637,117    | 234,275    | 255,992         | 151,577           | 31,533         |
| TOTAL INCLUDING GOLD                         | 4,461,566  |            |            |                 |                   |                |
| TOTAL OPTIONS                                | 6,115,049  | 5,446,110  | 2,442,133  | 2,166,705       | 630,711           | 261,609        |
| TOTAL CONTRACTS                              | 29,574,644 | 25,997,964 | 11,935,814 | 7,082,825       | 4,348,683         | 1,461,342      |
| TOTAL CONTRACTS INCLUDING GOLD*              | 29,943,868 |            |            |                 |                   |                |

## Detailed Table D-1 (contd.)

# Notional amounts outstanding of OTC foreign exchange derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-December 2004\*

#### All currencies

| Canadian<br>dollar | Swedish<br>krone | Australian<br>dollar | Danish<br>krone | Hong<br>Kong<br>dollar | Thai baht | Residual<br>currencies | Category                                     |  |
|--------------------|------------------|----------------------|-----------------|------------------------|-----------|------------------------|----------------------------------------------|--|
| 671,299            | 836,692          | 434,591              | 98,629          | 400,719                | 1,347     | 2,544,662              | OUTRIGHT FORWARDS AND FOREIGN EXCHANGE SWAPS |  |
| 161,614            | 171,927          | 108,809              | 33,407          | 168,685                | 433       | 975,600                | with reporting dealers                       |  |
| 312,622            | 449,386          | 238,833              | 32,241          | 197,556                | 802       | 1,139,073              | with other financial institutions            |  |
| 197,060            | 215,377          | 86,949               | 32,981          | 34,478                 | 112       | 430,001                | with non-financial customers                 |  |
|                    |                  |                      |                 |                        |           |                        | TOTAL INCLUDING GOLD                         |  |
| 307,899            | 228,415          | 368,796              | 19,409          | 182,466                | 499       | 944,388                | CURRENCY SWAPS                               |  |
| 80,140             | 86,308           | 93,330               | 4,714           | 82,315                 | 235       | 330,721                | with reporting dealers                       |  |
| 144,383            | 83,134           | 222,952              | 5,897           | 87,498                 | 241       | 425,570                | with other financial institutions            |  |
| 83,376             | 58,970           | 52,514               | 8,798           | 12,653                 | 23        | 188,109                | with non-financial customers                 |  |
| 144,527            | 90,248           | 190,703              | 1,030           | 15,667                 | 57        | 498,927                | OPTIONS SOLD                                 |  |
| 86,758             | 51,543           | 115,824              | 140             | 8,208                  | 6         | 270,288                | with reporting dealers                       |  |
| 36,996             | 22,354           | 53,830               | 14              | 5,143                  | 51        | 132,182                | with other financial institutions            |  |
| 20,772             | 16,351           | 21,050               | 876             | 2,316                  | 0         | 96,459                 | with non-financial customers                 |  |
|                    |                  |                      |                 |                        |           |                        | TOTAL INCLUDING GOLD                         |  |
| 134,038            | 66,194           | 221,170              | 1,591           | 13,743                 | 237       | 417,200                | OPTIONS BOUGHT                               |  |
| 84,319             | 40,889           | 129,892              | 435             | 6,145                  | 186       | 230,343                | with reporting dealers                       |  |
| 30,893             | 13,779           | 70,234               | 189             | 4,817                  | 51        | 91,717                 | with other financial institutions            |  |
| 18,827             | 11,526           | 21,044               | 967             | 2,781                  | 0         | 95,143                 | with non-financial customers                 |  |
|                    |                  |                      |                 |                        |           |                        | TOTAL INCLUDING GOLD                         |  |
| 193,033            | 110,230          | 289,018              | 2,334           | 22,236                 | 198       | 665,781                | TOTAL OPTIONS                                |  |
| 1,172,223          | 1,175,328        | 1,092,400            | 120,371         | 605,418                | 2,044     | 4,154,876              | TOTAL CONTRACTS                              |  |
|                    |                  |                      |                 |                        |           |                        | TOTAL CONTRACTS INCLUDING GOLD*              |  |

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

# Notional amounts outstanding of OTC single-currency interest rate derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-December 2004\*

### **All currencies**

In millions of US dollars

| Category                          | Total       | US dollar  | Euro       | Japanese<br>yen | Pound<br>sterling | Swiss<br>franc |
|-----------------------------------|-------------|------------|------------|-----------------|-------------------|----------------|
| FORWARD RATE AGREEMENTS           | 12,805,408  | 4,480,506  | 4,435,615  | 170,786         | 880,630           | 298,425        |
| with reporting dealers            | 6,485,753   | 2,003,360  | 2,472,607  | 134,885         | 431,086           | 197,194        |
| with other financial institutions | 5,511,186   | 2,077,831  | 1,697,940  | 28,898          | 392,290           | 88,713         |
| with non-financial customers      | 808,469     | 399,314    | 265,069    | 7,004           | 57,253            | 12,518         |
| SWAPS                             | 147,366,448 | 44,842,600 | 59,304,040 | 21,491,550      | 11,614,815        | 2,696,412      |
| with reporting dealers            | 64,719,328  | 20,922,892 | 24,267,912 | 10,689,712      | 4,678,108         | 1,098,217      |
| with other financial institutions | 69,202,664  | 19,811,426 | 29,221,516 | 9,254,862       | 5,781,604         | 1,392,741      |
| with non-financial customers      | 13,444,464  | 4,108,285  | 5,814,617  | 1,546,977       | 1,155,103         | 205,454        |
| OPTIONS SOLD                      | 19,328,868  | 7,322,448  | 8,736,154  | 978,797         | 1,742,764         | 154,448        |
| with reporting dealers            | 10,917,132  | 3,795,659  | 5,489,844  | 677,822         | 779,963           | 59,509         |
| with other financial institutions | 5,782,542   | 2,404,430  | 2,491,141  | 196,180         | 406,340           | 69,765         |
| with non-financial customers      | 2,629,195   | 1,122,361  | 755,171    | 104,796         | 556,462           | 25,176         |
| OPTIONS BOUGHT                    | 18,824,364  | 7,033,098  | 8,317,790  | 1,400,692       | 1,678,668         | 137,679        |
| with reporting dealers            | 11,052,200  | 4,113,789  | 5,211,961  | 854,731         | 721,714           | 46,092         |
| with other financial institutions | 5,759,960   | 2,271,506  | 2,431,508  | 434,876         | 446,856           | 70,005         |
| with non-financial customers      | 2,012,203   | 647,804    | 674,320    | 111,086         | 510,097           | 21,583         |
| TOTAL OPTIONS                     | 27,168,572  | 10,400,827 | 11,703,046 | 1,613,218       | 2,670,599         | 239,333        |
| TOTAL CONTRACTS                   | 187,340,416 | 59,723,928 | 75,442,704 | 23,275,548      | 15,166,032        | 3,234,162      |

## Detailed Table D-2 (contd.)

# Notional amounts outstanding of OTC single-currency interest rate derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-December 2004\*

#### All currencies

| Canadian<br>dollar | Swedish<br>krone | Australian<br>dollar | Danish<br>krone | Hong<br>Kong<br>dollar | Thai baht | Residual<br>currencies | Category                          |
|--------------------|------------------|----------------------|-----------------|------------------------|-----------|------------------------|-----------------------------------|
| 78,760             | 1,031,484        | 84,713               | 72,785          | 1,494                  | 0         | 1,270,210              | FORWARD RATE AGREEMENTS           |
| 39,553             | 636,590          | 17,251               | 26,455          | 384                    | 0         | 526,388                | with reporting dealers            |
| 33,917             | 354,901          | 65,849               | 45,372          | 1,110                  | 0         | 724,365                | with other financial institutions |
| 5,291              | 39,993           | 1,613                | 958             | 0                      | 0         | 19,456                 | with non-financial customers      |
| 1,278,574          | 1,102,406        | 506,970              | 134,928         | 235,610                | 363       | 4,158,180              | SWAPS                             |
| 514,144            | 528,260          | 137,474              | 73,122          | 116,692                | 0         | 1,692,795              | with reporting dealers            |
| 585,436            | 465,116          | 328,371              | 44,041          | 98,362                 | 363       | 2,218,826              | with other financial institutions |
| 178,995            | 109,030          | 41,125               | 17,764          | 20,556                 | 0         | 246,558                | with non-financial customers      |
| 81,881             | 50,935           | 8,447                | 1,548           | 15,490                 | 0         | 235,956                | OPTIONS SOLD                      |
| 27,096             | 18,636           | 4,865                | 862             | 12,025                 | 0         | 50,851                 | with reporting dealers            |
| 41,444             | 9,074            | 2,470                | 418             | 2,731                  | 0         | 158,549                | with other financial institutions |
| 13,340             | 23,223           | 1,112                | 269             | 734                    | 0         | 26,551                 | with non-financial customers      |
| 59,112             | 43,987           | 13,358               | 1,416           | 17,474                 | 0         | 121,090                | OPTIONS BOUGHT                    |
| 21,498             | 15,678           | 3,267                | 880             | 12,390                 | 0         | 50,200                 | with reporting dealers            |
| 26,916             | 12,678           | 8,089                | 93              | 3,785                  | 0         | 53,648                 | with other financial institutions |
| 10,698             | 15,630           | 2,001                | 443             | 1,299                  | 0         | 17,242                 | with non-financial customers      |
| 116,699            | 77,771           | 17,741               | 2,094           | 20,758                 | 0         | 306,486                | TOTAL OPTIONS                     |
| 1,474,030          | 2,211,653        | 609,421              | 209,804         | 257,860                | 363       | 5,734,911              | TOTAL CONTRACTS                   |

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

## Notional amounts outstanding of OTC equity-linked derivatives net of inter-dealer double-counting by instrument, counterparty and market risk factor at end-December 2004<sup>1</sup>

| Category                          | Total     | us        | Japanese | European <sup>2</sup> | Latin<br>American | Other<br>Asian | Other   |
|-----------------------------------|-----------|-----------|----------|-----------------------|-------------------|----------------|---------|
| FORWARDS AND SWAPS                | 758,699   | 238,180   | 10,046   | 420,526               | 21,137            | 11,470         | 57,351  |
| with reporting dealers            | 199,964   | 48,302    | 3,605    | 140,494               | 675               | 1,982          | 4,912   |
| with other financial institutions | 423,439   | 135,200   | 5,187    | 213,262               | 19,911            | 5,359          | 44,521  |
| with non-financial customers      | 135,297   | 54,677    | 1,253    | 66,770                | 551               | 4,128          | 7,917   |
| OPTIONS SOLD                      | 2,692,924 | 505,971   | 153,763  | 1,835,472             | 45,344            | 76,062         | 76,308  |
| with reporting dealers            | 1,174,841 | 177,339   | 84,409   | 879,231               | 183               | 11,199         | 22,478  |
| with other financial institutions | 1,260,619 | 238,209   | 65,312   | 837,659               | 43,546            | 33,339         | 42,552  |
| with non-financial customers      | 257,465   | 90,424    | 4,041    | 118,581               | 1,615             | 31,525         | 11,279  |
| OPTIONS BOUGHT                    | 2,045,838 | 457,747   | 137,103  | 1,308,000             | 21,875            | 49,289         | 71,825  |
| with reporting dealers            | 1,049,937 | 136,873   | 81,790   | 787,455               | 221               | 11,234         | 32,364  |
| with other financial institutions | 802,684   | 226,352   | 52,426   | 452,383               | 21,141            | 17,380         | 33,002  |
| with non-financial customers      | 193,219   | 94,521    | 2,886    | 68,162                | 514               | 20,675         | 6,460   |
| TOTAL OPTIONS                     | 3,626,377 | 806,617   | 207,771  | 2,310,134             | 67,018            | 114,140        | 120,715 |
| TOTAL CONTRACTS                   | 4,385,071 | 1,044,793 | 217,813  | 2,730,654             | 88,155            | 125,605        | 178,066 |

<sup>&</sup>lt;sup>1</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting. <sup>2</sup> Excluding countries in eastern Europe.

# Notional amounts outstanding of OTC commodity derivatives net of inter-dealer double-counting by instrument and counterparty at end-December 2004<sup>1</sup>

| Category                          | Gold    | Precious<br>metals (other<br>than gold) <sup>2</sup> | Other commodities <sup>2</sup> |
|-----------------------------------|---------|------------------------------------------------------|--------------------------------|
| FORWARDS AND SWAPS                | 132,445 | 21,666                                               | 532,551                        |
| with reporting dealers            | -       | -                                                    | -                              |
| with other financial institutions | -       | -                                                    | -                              |
| with non-financial customers      | -       | -                                                    | -                              |
| OPTIONS SOLD                      | 143,259 | 17,452                                               | 287,949                        |
| with reporting dealers            | -       | -                                                    | -                              |
| with other financial institutions | -       | -                                                    | -                              |
| with non-financial customers      | -       | -                                                    | -                              |
| OPTIONS BOUGHT                    | 146,383 | 20,996                                               | 304,663                        |
| with reporting dealers            | -       | -                                                    | -                              |
| with other financial institutions | -       | -                                                    | -                              |
| with non-financial customers      | -       | -                                                    | -                              |
| TOTAL OPTIONS                     | 236,777 | 31,429                                               | 484,448                        |
| TOTAL CONTRACTS                   | 369,222 | 53,096                                               | 1,016,998                      |

While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. not adjusted for inter-dealer double-counting. <sup>2</sup> Adjustments for inter-dealer double counting based on the results of the 2001 triennial central bank survey.

# Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-December 2004\*

In millions of US dollars

| Category                                     | Total     | US dollar | Euro    | Japanese<br>yen | Pound<br>sterling | Swiss<br>franc |
|----------------------------------------------|-----------|-----------|---------|-----------------|-------------------|----------------|
| OUTRIGHT FORWARDS AND FOREIGN EXCHANGE SWAPS | 642,968   | 617,303   | 275,271 | 99,102          | 73,532            | 26,080         |
| with reporting dealers                       | 259,546   | 255,087   | 106,549 | 49,734          | 27,921            | 9,865          |
| with other financial institutions            | 243,216   | 236,216   | 102,197 | 32,211          | 25,451            | 10,647         |
| with non-financial customers                 | 140,210   | 126,002   | 66,523  | 17,158          | 20,160            | 5,568          |
| CURRENCY SWAPS                               | 760,943   | 672,941   | 413,972 | 112,672         | 123,026           | 28,948         |
| with reporting dealers                       | 167,961   | 142,788   | 90,731  | 28,794          | 29,787            | 7,645          |
| with other financial institutions            | 375,505   | 347,109   | 196,958 | 53,986          | 53,186            | 12,318         |
| with non-financial customers                 | 217,481   | 183,042   | 126,283 | 29,889          | 40,053            | 8,986          |
| OPTIONS SOLD                                 | 104,589   | 99,543    | 39,958  | 32,460          | 13,006            | 2,934          |
| with reporting dealers                       | 54,445    | 51,866    | 20,741  | 20,939          | 2,974             | 1,462          |
| with other financial institutions            | 23,981    | 23,011    | 10,483  | 7,046           | 973               | 734            |
| with non-financial customers                 | 26,164    | 24,668    | 8,734   | 4,475           | 9,058             | 736            |
| OPTIONS BOUGHT                               | 107,920   | 103,074   | 42,730  | 34,183          | 13,538            | 3,132          |
| with reporting dealers                       | 57,187    | 53,805    | 24,620  | 20,518          | 3,187             | 1,454          |
| with other financial institutions            | 22,122    | 21,523    | 10,414  | 5,803           | 1,117             | 795            |
| with non-financial customers                 | 28,612    | 27,746    | 7,694   | 7,863           | 9,236             | 884            |
| TOTAL OPTIONS                                | 158,064   | 150,751   | 61,947  | 45,704          | 23,570            | 4,604          |
| TOTAL CONTRACTS                              | 1,561,970 | 1,440,996 | 751,190 | 257,478         | 220,129           | 59,632         |
| TOTAL CONTRACTS INCLUDING GOLD               | 1,593,821 |           |         |                 |                   |                |

## Detailed Table D- 5 (contd.)

# Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-December 2004

| Canadian<br>dollar | Swedish<br>krone | Australian<br>dollar | Danish<br>krone | Hong<br>Kong<br>dollar | Thai baht | Residual currencies | Category                                     |
|--------------------|------------------|----------------------|-----------------|------------------------|-----------|---------------------|----------------------------------------------|
| 33,008             | 25,481           | 18,521               | 3,583           | 2,054                  | 27        | 111,974             | OUTRIGHT FORWARDS AND FOREIGN EXCHANGE SWAPS |
| 7,791              | 10,091           | 4,001                | 1,423           | 731                    | 8         | 45,891              | with reporting dealers                       |
| 13,097             | 9,040            | 8,079                | 1,014           | 882                    | 17        | 47,581              | with other financial institutions            |
| 12,119             | 6,349            | 6,442                | 1,146           | 440                    | 2         | 18,511              | with non-financial customers                 |
| 34,320             | 14,087           | 29,306               | 1,629           | 3,049                  | 59        | 87,877              | CURRENCY SWAPS                               |
| 5,509              | 4,872            | 3,011                | 507             | 521                    | 13        | 21,744              | with reporting dealers                       |
| 15,561             | 4,863            | 19,675               | 485             | 1,956                  | 43        | 44,870              | with other financial institutions            |
| 13,251             | 4,352            | 6,619                | 637             | 572                    | 3         | 21,275              | with non-financial customers                 |
| 3,007              | 1,377            | 4,285                | 29              | 68                     | 1         | 12,510              | OPTIONS SOLD                                 |
| 1,612              | 514              | 2,360                | 3               | 32                     | 0         | 6,387               | with reporting dealers                       |
| 736                | 271              | 1,268                | 0               | 17                     | 1         | 3,422               | with other financial institutions            |
| 659                | 591              | 657                  | 26              | 19                     | 0         | 2,705               | with non-financial customers                 |
| 2,677              | 697              | 4,750                | 73              | 65                     | 7         | 15,664              | OPTIONS BOUGHT                               |
| 1,598              | 468              | 2,795                | 6               | 26                     | 5         | 5,892               | with reporting dealers                       |
| 614                | 114              | 1,454                | 58              | 14                     | 2         | 2,336               | with other financial institutions            |
| 463                | 114              | 501                  | 9               | 25                     | 0         | 2,689               | With non-financial customers                 |
| 4,072              | 1,560            | 6,675                | 99              | 101                    | 8         | 17,037              | TOTAL OPTIONS                                |
| 71,397             | 41,127           | 54,501               | 5,310           | 5,204                  | 94        | 216,882             | TOTAL CONTRACTS                              |
|                    |                  |                      |                 |                        |           |                     | TOTAL CONTRACTS INCLUDING GOLD               |

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

# Gross market values of OTC single-currency interest rate derivatives by instrument, counterparty and currency at end-December 2004\*

In millions of US dollars

| Category                          | Total     | US dollar | Euro      | Japanese<br>yen | Pound<br>sterling | Swiss<br>franc |
|-----------------------------------|-----------|-----------|-----------|-----------------|-------------------|----------------|
| FORWARD RATE AGREEMENTS           | 20,342    | 7,595     | 5,376     | 138             | 2,061             | 333            |
| with reporting dealers            | 6,914     | 1,550     | 1,719     | 106             | 1,060             | 254            |
| with other financial institutions | 10,571    | 4,848     | 2,190     | 24              | 928               | 78             |
| with non-financial customers      | 2,856     | 1,196     | 1,465     | 8               | 73                | 2              |
| SWAPS                             | 4,793,426 | 1,285,766 | 2,686,803 | 315,375         | 215,782           | 61,000         |
| with reporting dealers            | 1,893,564 | 589,962   | 960,440   | 146,811         | 76,097            | 21,145         |
| with other financial institutions | 2,453,981 | 560,192   | 1,506,516 | 135,276         | 111,937           | 33,140         |
| with non-financial customers      | 445,883   | 135,609   | 219,846   | 33,288          | 27,748            | 6,714          |
| OPTIONS SOLD                      | 348,870   | 150,115   | 164,656   | 13,090          | 14,716            | 464            |
| with reporting dealers            | 221,223   | 86,278    | 116,838   | 8,579           | 8,374             | 266            |
| with other financial institutions | 96,014    | 43,280    | 40,696    | 2,775           | 4,588             | 166            |
| with non-financial customers      | 31,632    | 20,555    | 7,123     | 1,735           | 1,752             | 32             |
| OPTIONS BOUGHT                    | 364,283   | 150,584   | 180,348   | 15,990          | 12,442            | 570            |
| with reporting dealers            | 245,063   | 95,170    | 129,162   | 11,462          | 8,011             | 309            |
| with other financial institutions | 94,341    | 43,079    | 41,841    | 3,180           | 3,266             | 137            |
| with non-financial customers      | 24,878    | 12,335    | 9,345     | 1,347           | 1,167             | 123            |
| TOTAL OPTIONS                     | 491,930   | 214,421   | 228,166   | 20,501          | 18,784            | 768            |
| TOTAL CONTRACTS                   | 5,305,700 | 1,507,783 | 2,920,344 | 336,016         | 236,627           | 62,103         |

### Detailed Table D-6 (contd.)

# Gross market values of OTC single-currency interest rate derivatives by instrument, counterparty and currency at end- December 2004

| Canadian<br>dollar | Swedish<br>krone | Australian<br>dollar | Danish<br>krone | Hong<br>Kong<br>dollar | Thai baht | Residual currencies | Category                          |
|--------------------|------------------|----------------------|-----------------|------------------------|-----------|---------------------|-----------------------------------|
| 81                 | 1,938            | 9                    | 82              | 4                      | 0         | 2,725               | FORWARD RATE AGREEMENTS           |
| 32                 | 1,223            | 2                    | 21              | 0                      | 0         | 947                 | with reporting dealers            |
| 47                 | 655              | 7                    | 57              | 4                      | 0         | 1,733               | with other financial institutions |
| 2                  | 61               | 0                    | 4               | 0                      | 0         | 45                  | with non-financial customers      |
| 39,125             | 44,790           | 4,965                | 7,844           | 4,467                  | 31        | 127,478             | SWAPS                             |
| 15,319             | 21,645           | 1,351                | 3,787           | 1,992                  | 0         | 55,015              | with reporting dealers            |
| 18,113             | 18,227           | 3,068                | 2,966           | 1,866                  | 31        | 62,649              | with other financial institutions |
| 5,692              | 4,917            | 545                  | 1,091           | 609                    | 0         | 9,824               | with non-financial customers      |
| 609                | 434              | 63                   | 28              | 111                    | 0         | 4,584               | OPTIONS SOLD                      |
| 206                | 187              | 31                   | 18              | 89                     | 0         | 357                 | with reporting dealers            |
| 323                | 122              | 18                   | 9               | 15                     | 0         | 4,022               | with other financial institutions |
| 80                 | 124              | 14                   | 0               | 7                      | 0         | 210                 | with non-financial customers      |
| 739                | 400              | 23                   | 53              | 134                    | 0         | 3,000               | OPTIONS BOUGHT                    |
| 252                | 157              | 16                   | 49              | 88                     | 0         | 387                 | with reporting dealers            |
| 299                | 112              | 6                    | 0               | 38                     | 0         | 2,383               | with other financial institutions |
| 188                | 131              | 1                    | 4               | 8                      | 0         | 229                 | with non-financial customers      |
| 1,142              | 647              | 55                   | 63              | 156                    | 0         | 7,227               | TOTAL OPTIONS                     |
| 40,346             | 47,374           | 5,029                | 7,989           | 4,627                  | 31        | 137,431             | TOTAL CONTRACTS                   |

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. not adjusted for inter-dealer double-counting.

# Gross market values of OTC equity-linked derivatives by instrument, counterparty and market risk factor at end-December 2004<sup>1</sup>

| Category                          | Total   | US      | Japanese | European <sup>2</sup> | Latin<br>American | Other<br>Asian | Other  |
|-----------------------------------|---------|---------|----------|-----------------------|-------------------|----------------|--------|
| FORWARDS AND SWAPS                | 80,636  | 26,349  | 1,425    | 43,622                | 3,630             | 1,031          | 4,577  |
| with reporting dealers            | 15,784  | 3,038   | 300      | 12,021                | 33                | 66             | 326    |
| with other financial institutions | 37,938  | 10,051  | 908      | 20,412                | 2,795             | 568            | 3,203  |
| with non-financial customers      | 26,912  | 13,259  | 218      | 11,188                | 801               | 396            | 1,049  |
| OPTIONS SOLD                      | 216,765 | 54,539  | 10,617   | 112,720               | 28,022            | 4,899          | 5,968  |
| with reporting dealers            | 88,492  | 19,948  | 5,701    | 60,230                | 26                | 1,031          | 1,556  |
| with other financial institutions | 107,783 | 25,839  | 4,681    | 43,258                | 27,721            | 2,286          | 3,996  |
| with non-financial customers      | 20,491  | 8,754   | 235      | 9,229                 | 275               | 1,582          | 415    |
| OPTIONS BOUGHT                    | 292,145 | 147,843 | 8,983    | 128,334               | 196               | 1,983          | 4,803  |
| with reporting dealers            | 81,559  | 13,508  | 5,844    | 58,597                | 20                | 983            | 2,606  |
| with other financial institutions | 183,635 | 115,384 | 2,962    | 62,650                | 144               | 749            | 1,743  |
| with non-financial customers      | 26,949  | 18,950  | 177      | 7,088                 | 32                | 249            | 454    |
| TOTAL OPTIONS                     | 420,418 | 182,434 | 13,899   | 180,824               | 28,192            | 5,851          | 9,215  |
| TOTAL CONTRACTS                   | 501,053 | 208,785 | 15,324   | 224,444               | 31,822            | 6,882          | 13,790 |

<sup>&</sup>lt;sup>1</sup> Excluding countries in eastern Europe. <sup>2</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

# Gross market values of OTC commodity derivatives by instrument and counterparty at end-December 2004

| Category                                                                       | Gold   | Precious<br>metals (other<br>than gold) | Other commodities |
|--------------------------------------------------------------------------------|--------|-----------------------------------------|-------------------|
| FORWARDS AND SWAPS.  with reporting dealers  with other financial institutions | -      | -<br>-<br>-                             | -                 |
| with non-financial customers                                                   | -      | -                                       | -                 |
| OPTIONS SOLD                                                                   | -      | -                                       | -                 |
| with reporting dealers                                                         | -      | -                                       | -                 |
| with other financial institutions                                              | -      | -                                       | -                 |
| with non-financial customers                                                   | -      | -                                       | -                 |
| OPTIONS BOUGHT                                                                 | -      | -                                       | -                 |
| with reporting dealers                                                         | -      | -                                       | -                 |
| with other financial institutions                                              | -      | -                                       | -                 |
| with non-financial customers                                                   | -      | -                                       | -                 |
| TOTAL OPTIONS                                                                  | -      | -                                       | -                 |
| TOTAL CONTRACTS                                                                | 31,851 | 3,938                                   | 134,367           |

# Notional amounts outstanding of OTC foreign exchange derivative contracts net of inter-dealer double-counting by instrument, counterparty, and remaining maturity at end-December 2004<sup>1</sup>

| Category                          | Total      | One year or less | Over one year and up to five years | Over five years |
|-----------------------------------|------------|------------------|------------------------------------|-----------------|
| FORWARDS AND SWAPS <sup>2</sup>   | 23,459,616 | 17,803,144       | 3,676,109                          | 1,980,363       |
| with reporting dealers            | 9,051,216  | 7,068,056        | 1,300,627                          | 682,533         |
| with other financial institutions | 9,638,878  | 7,411,200        | 1,454,198                          | 773,480         |
| with non-financial customers      | 4,769,527  | 3,323,891        | 921,286                            | 524,350         |
| OPTIONS SOLD                      | 4,412,465  | 3,825,421        | 532,616                            | 54,437          |
| with reporting dealers            | 2,596,843  | 2,270,635        | 296,958                            | 29,254          |
| with other financial institutions | 1,044,274  | 919,380          | 112,912                            | 11,987          |
| with non-financial customers      | 771,349    | 635,407          | 122,744                            | 13,195          |
| OPTIONS BOUGHT                    | 4,315,183  | 3,788,628        | 459,674                            | 66,886          |
| with reporting dealers            | 2,628,368  | 2,333,577        | 267,007                            | 27,787          |
| with other financial institutions | 956,427    | 856,515          | 83,572                             | 16,342          |
| with non-financial customers      | 730,391    | 598,537          | 109,097                            | 22,759          |
| TOTAL OPTIONS                     | 6,115,049  | 5,311,948        | 710,314                            | 92,806          |
| TOTAL CONTRACTS                   | 29,574,644 | 23,115,082       | 4,386,411                          | 2,073,163       |
| TOTAL CONTRACTS INCLUDING GOLD    | 29,943,868 |                  |                                    |                 |

<sup>&</sup>lt;sup>1</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting. <sup>2</sup> Includes currency swaps.

# Notional amounts outstanding of OTC single-currency interest rate derivative contracts net of inter-dealer double-counting by instrument, counterparty, and remaining maturity at end-December 2004\*

| Category                          | Total       | One year or less | Over one year and up to five years | Over five years |
|-----------------------------------|-------------|------------------|------------------------------------|-----------------|
| FORWARDS AND SWAPS                | 160,171,856 | 52,474,360       | 65,511,204                         | 42,186,296      |
| with reporting dealers            | 71,205,072  | 26,001,994       | 28,458,564                         | 16,744,519      |
| with other financial institutions | 74,713,864  | 21,775,330       | 31,607,668                         | 21,330,862      |
| with non-financial customers      | 14,252,929  | 4,697,044        | 5,444,971                          | 4,110,914       |
| OPTIONS SOLD                      | 19,328,868  | 6,337,550        | 8,116,551                          | 4,874,772       |
| with reporting dealers            | 10,917,132  | 3,214,712        | 4,845,880                          | 2,856,539       |
| with other financial institutions | 5,782,542   | 1,998,145        | 2,409,063                          | 1,375,333       |
| with non-financial customers      | 2,629,195   | 1,124,694        | 861,607                            | 642,899         |
| OPTIONS BOUGHT                    | 18,824,364  | 6,747,802        | 7,591,355                          | 4,485,200       |
| with reporting dealers            | 11,052,200  | 3,535,492        | 4,703,687                          | 2,813,025       |
| with other financial institutions | 5,759,960   | 2,237,693        | 2,295,542                          | 1,226,716       |
| with non-financial customers      | 2,012,203   | 974,618          | 592,125                            | 445,459         |
| TOTAL OPTIONS                     | 27,168,572  | 9,710,255        | 10,933,126                         | 6,525,192       |
| TOTAL CONTRACTS                   | 187,340,416 | 62,184,616       | 76,444,320                         | 48,711,488      |

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

# Notional amounts outstanding of OTC equity-linked derivative contracts net of inter-dealer double counting by instrument, counterparty, and remaining maturity at end-December 2004\*

| Category                          | Total     | One year or less | Over one year and up to five years | Over five years |
|-----------------------------------|-----------|------------------|------------------------------------|-----------------|
| FORWARDS AND SWAPS                | 758,699   | 434,296          | 257,310                            | 67,094          |
| with reporting dealers            | 199,964   | 114,720          | 66,992                             | 18,254          |
| with other financial institutions | 423,439   | 259,127          | 131,512                            | 32,802          |
| with non-financial customers      | 135,297   | 60,448           | 58,806                             | 16,038          |
| OPTIONS SOLD                      | 2,692,924 | 1,023,248        | 1,324,794                          | 344,882         |
| with reporting dealers            | 1,174,841 | 460,626          | 616,432                            | 97,784          |
| with other financial institutions | 1,260,619 | 433,586          | 600,198                            | 226,835         |
| with non-financial customers      | 257,465   | 129,036          | 108,164                            | 20,264          |
| OPTIONS BOUGHT                    | 2,045,838 | 986,427          | 929,243                            | 130,176         |
| with reporting dealers            | 1,049,937 | 487,185          | 516,712                            | 46,046          |
| with other financial institutions | 802,684   | 399,377          | 329,494                            | 73,814          |
| with non-financial customers      | 193,219   | 99,866           | 83,036                             | 10,318          |
| TOTAL OPTIONS                     | 3,626,377 | 1,535,775        | 1,687,472                          | 403,149         |
| TOTAL CONTRACTS                   | 4,385,071 | 1,970,063        | 1,944,777                          | 470,238         |

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. not adjusted for inter-dealer double-counting.