

**Board of Governors of the Federal Reserve System**

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# **Report Forms for the Central Bank Survey of Foreign Exchange and Derivatives Market Activity—FR 3036**

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## **Turnover Survey as of April 2025**

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Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A1—Foreign Exchange Contracts<sup>1</sup>

Turnover in nominal or notional principal amounts in April 2022

| U.S. Dollar Amounts in Millions                    | USD against |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
|----------------------------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-------|--|
|                                                    | AUD         | BRL | CAD | CHF | CNY | EUR | GBP | HKD | INR | JPY | KRW | MXN | NOK | NZD | PLN | RUB | SEK | SGD | TRY | TWD | ZAR | Other <sup>2</sup> | Total |  |
| INSTRUMENTS                                        |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| SPOT <sup>1</sup>                                  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 1. With reporting dealers .....                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 2. With other financial institutions .....         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| c. Non-reporting banks .....                       |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| d. Institutional investors .....                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| e. Hedge funds and proprietary trading firms ..... |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| f. Official sector financial institutions .....    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| g. Others .....                                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| h. Undistributed .....                             |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 3. With nonfinancial customers .....               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| Total Spot .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 1. o/w prime brokered .....                        |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 2. o/w retail-driven .....                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| OUTRIGHT FORWARDS <sup>4</sup>                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 1. With reporting dealers .....                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 2. With other financial institutions .....         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| c. Non-reporting banks .....                       |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| d. Institutional investors .....                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| e. Hedge funds and proprietary trading firms ..... |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| f. Official sector financial institutions .....    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| g. Others .....                                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| h. Undistributed .....                             |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 3. With nonfinancial customers .....               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| Total Outright Forwards .....                      |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 1. o/w prime brokered .....                        |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 2. o/w retail-driven .....                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 3. o/w non-deliverable forwards <sup>5</sup> ..... |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| MATURITIES OUTRIGHT FORWARDS                       |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 1. One day .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 2. Over one day and up to seven days .....         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 3. Over seven days and up to one month .....       |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 4. Over one month and up to three months .....     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 5. Over three months and up to six months .....    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |
| 6. Over six months .....                           |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |  |

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o/w back-to-back trades

o/w back-to-back trades

o/w related party trades

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.  
2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A4 for a more detailed breakdown of total turnover in "other" currencies.  
3. Excluding "tomorrow/next day" transactions.  
4. Including non-deliverable forwards and other contracts-for-differences.  
5. Data should be provided for the "total" column.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A1—Foreign Exchange Contracts<sup>1</sup>—Continued

Turnover in nominal or notional principal amounts in April 2022

| U.S. Dollar Amounts in Millions                    | USD against |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |      |
|----------------------------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-------|------|
|                                                    | AUD         | BRL | CAD | CHF | CNY | EUR | GBP | HKD | INR | JPY | KRW | MXN | NOK | NZD | PLN | RUB | SEK | SGD | TRY | TWD | ZAR | Other <sup>2</sup> | Total |      |
|                                                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |      |
| INSTRUMENTS                                        |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |      |
| FOREIGN EXCHANGE SWAPS <sup>1</sup>                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |      |
| 1. With reporting dealers .....                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 1.   |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 1.a. |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 1.b. |
| 2. With other financial institutions .....         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.   |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.a. |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.b. |
| c. Non-reporting banks .....                       |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.c. |
| d. Institutional investors .....                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.d. |
| e. Hedge funds and proprietary trading firms ..... |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.e. |
| f. Official sector financial institutions .....    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.f. |
| g. Others .....                                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.g. |
| h. Undistributed .....                             |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.h. |
| 3. With nonfinancial customers .....               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 3.   |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 3.a. |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 3.b. |
| Total Foreign Exchange Swaps .....                 |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 1.   |
| 1. o/w prime brokered .....                        |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 1.   |
| 2. o/w retail-driven .....                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.   |
| MATURITIES FOREIGN EXCHANGE SWAPS                  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       |      |
| 1. One day .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 1.   |
| 2. Over one day and up to seven days .....         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 2.   |
| 3. Over seven days and up to one month .....       |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 3.   |
| 4. Over one month and up to three months .....     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 4.   |
| 5. Over three months and up to six months .....    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 5.   |
| 6. Over six months .....                           |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |       | 6.   |

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o/w back-to-back trades  
o/w related party trades

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.  
2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A4 for a more detailed breakdown of total turnover in "other" currencies.  
3. Currency pairs as well as for the "other" and "total" column.

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Turnover in nominal or notional principal amounts in April 2022

o/w related party trades

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.
2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies.
3. "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY.
4. Covers the sum of the totals in tables A1, A2, and the column "Residual".
5. Excluding "tomorrow/next day" transactions.
6. Including non-deliverable forwards and other contracts-for-differences.
7. Data should only be provided for the "total" columns.

Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A2—Foreign Exchange Contracts<sup>1</sup>—Continued

Turnover in nominal or notional principal amounts in April 2022

| U.S. Dollar Amounts in Millions                    | EUR against |     |     |     |     |     |     |     |     |     |     |     |                    |       | JPY against |     |     |     |     |     |                    | Resi-<br>dual <sup>3</sup> | Grand<br>Total <sup>4</sup> |       |
|----------------------------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-------|-------------|-----|-----|-----|-----|-----|--------------------|----------------------------|-----------------------------|-------|
|                                                    | AUD         | CAD | CHF | CNY | DKK | GBP | HUF | JPY | NOK | PLN | SEK | TRY | Other <sup>2</sup> | Total | AUD         | BRL | CAD | NZD | TRY | ZAR | Other <sup>2</sup> |                            |                             | Total |
| <b>INSTRUMENTS</b>                                 |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| <b>FOREIGN EXCHANGE SWAPS<sup>5</sup></b>          |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 1. With reporting dealers .....                    |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 2. With other financial institutions .....         |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| c. Non-reporting banks .....                       |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| d. Institutional investors .....                   |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| e. Hedge funds and proprietary trading firms ..... |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| f. Official sector financial institutions .....    |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| g. Others .....                                    |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| h. Undistributed .....                             |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 3. With nonfinancial customers .....               |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| a. Local .....                                     |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| b. Cross-border .....                              |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| <b>Total Foreign Exchange Swaps .....</b>          |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 1. o/w prime brokered .....                        |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 2. o/w retail-driven .....                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 3. o/w back-to-back trades .....                   |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 4. o/w compression trades .....                    |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| <b>MATURITIES FOREIGN EXCHANGE SWAPS</b>           |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 1. One day .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 2. Over one day and up to seven days .....         |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 3. Over seven days and up to one month .....       |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 4. Over one month and up to three months .....     |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 5. Over three months and up to six months .....    |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |
| 6. Over six months .....                           |             |     |     |     |     |     |     |     |     |     |     |     |                    |       |             |     |     |     |     |     |                    |                            |                             |       |

1.  
1.a.  
1.b.  
2.  
2.a.  
2.b.  
2.c.  
2.d.  
2.e.  
2.f.  
2.g.  
2.h.  
3.  
3.a.  
3.b.

o/w related party trades

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.  
2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies.  
3. "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY.  
4. Covers the sum of the totals in tables A1, A2, and the column "Residual".  
5. A swap is considered to be a single transaction in that the two legs are not counted separately.

[illegible]



Central Bank Survey of Foreign Exchange and Derivatives Market Activity

Table A4—Foreign Exchange Contracts<sup>1</sup>

Turnover in nominal or notional principal amounts in April 2022

| U.S. Dollar Amounts in Millions                               | USD against |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | Total |     |                    |  |      |
|---------------------------------------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------------------|--|------|
|                                                               | AUD         | BRL | CAD | CHF | CNY | EUR | GBP | HKD | INR | JPY | KRW | MXN | NOK | NZD | PLN | RUB | SEK | SGD | TRY | TWD |       | ZAR | Other <sup>2</sup> |  |      |
| <b>INSTRUMENTS</b>                                            |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  |      |
| <b>CURRENCY SWAPS<sup>3</sup></b>                             |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  |      |
| 1. With reporting dealers .....                               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 1.   |
| a. Local .....                                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 1.a. |
| b. Cross-border .....                                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 1.b. |
| 2. With other financial institutions .....                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.   |
| a. Local .....                                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.a. |
| b. Cross-border .....                                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.b. |
| c. Non-reporting banks .....                                  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.c. |
| d. Institutional investors .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.d. |
| e. Hedge funds and proprietary trading firms .....            |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.e. |
| f. Official sector financial institutions .....               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.f. |
| g. Others .....                                               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.g. |
| h. Undistributed .....                                        |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.h. |
| 3. With nonfinancial customers .....                          |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 3.   |
| a. Local .....                                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 3.a. |
| b. Cross-border .....                                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 3.b. |
| <b>Total Currency Swaps</b> .....                             |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  |      |
| 1. o/w prime brokered .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 1.   |
| 2. o/w retail-driven .....                                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.   |
| <b>OTC OPTIONS (sum of bought and sold)<sup>4</sup></b> ..... |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  |      |
| 1. With reporting dealers .....                               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 1.   |
| a. Local .....                                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 1.a. |
| b. Cross-border .....                                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 1.b. |
| 2. With other financial institutions .....                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.   |
| a. Local .....                                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.a. |
| b. Cross-border .....                                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.b. |
| c. Non-reporting banks .....                                  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.c. |
| d. Institutional investors .....                              |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.d. |
| e. Hedge funds and proprietary trading firms .....            |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.e. |
| f. Official sector financial institutions .....               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.f. |
| g. Others .....                                               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.g. |
| h. Undistributed .....                                        |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.h. |
| 3. With nonfinancial customers .....                          |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 3.   |
| a. Local .....                                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 3.a. |
| b. Cross-border .....                                         |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 3.b. |
| <b>TOTAL OTC OPTIONS</b> .....                                |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  |      |
| 1. o/w prime brokered .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 1.   |
| 2. o/w retail-driven .....                                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.   |
| <b>TOTAL FX CONTRACTS</b> .....                               |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  |      |
| 1. o/w prime brokered .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 1.   |
| 2. o/w retail-driven .....                                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |     |                    |  | 2.   |

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates

2. o/w back-to-back trades

3. o/w back-to-back trades

o/w related party trades

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.  
2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies.  
3. A swap is considered to be a single transaction in that the two legs are not counted separately.  
4. Including currency warrants and multicurrency swaptions.

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**Table A5—Foreign Exchange Contracts<sup>1</sup>**

Turnover in nominal or notional principal amounts in April 2022

| U.S. Dollar Amounts in Millions                         | EUR against |     |     |     |     |     |     |     |     |     |     |     |                    | JPY against |     |     |     |     |     |     | Resi-<br>dual <sup>3</sup> | Grand<br>Total <sup>4</sup> |                    |       |      |
|---------------------------------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-------------|-----|-----|-----|-----|-----|-----|----------------------------|-----------------------------|--------------------|-------|------|
|                                                         | AUD         | CAD | CHF | CNY | DKK | GBP | HUF | JPY | NOK | PLN | SEK | TRY | Other <sup>2</sup> | Total       | AUD | BRL | CAD | NZD | TRY | ZAR |                            |                             | Other <sup>2</sup> | Total |      |
| <b>INSTRUMENTS</b>                                      |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       |      |
| <b>CURRENCY SWAPS<sup>5</sup></b>                       |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       |      |
| 1. With reporting dealers .....                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1.   |
| a. Local .....                                          |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1.a. |
| b. Cross-border .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1.b. |
| 2. With other financial institutions .....              |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.   |
| a. Local .....                                          |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.a. |
| b. Cross-border .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.b. |
| c. Non-reporting banks .....                            |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.c. |
| d. Institutional investors .....                        |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.d. |
| e. Hedge funds and proprietary trading firms .....      |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.e. |
| f. Official sector financial institutions .....         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.f. |
| g. Others .....                                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.g. |
| h. Undistributed .....                                  |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.h. |
| 3. With nonfinancial customers .....                    |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 3.   |
| a. Local .....                                          |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 3.a. |
| b. Cross-border .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 3.b. |
| <b>Total Currency Swaps</b> .....                       |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       |      |
| 1. o/w prime brokered .....                             |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1.   |
| 2. o/w retail-driven .....                              |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.   |
| 3. o/w back -to-back trades .....                       |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 3.   |
| 4. o/w compression trades .....                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 4.   |
| <b>OTC OPTIONS (sum of bought and sold)<sup>6</sup></b> |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       |      |
| 1. With Reporting Dealers .....                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1.   |
| a. Local .....                                          |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1.a. |
| b. Cross-border .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1.b. |
| 2. With other financial institutions .....              |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.   |
| a. Local .....                                          |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.a. |
| b. Cross-border .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.b. |
| c. Non-reporting banks .....                            |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.c. |
| d. Institutional investors .....                        |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.d. |
| e. Hedge funds and proprietary trading firms .....      |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.e. |
| f. Official sector financial institutions .....         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.f. |
| g. Others .....                                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.g. |
| h. Undistributed .....                                  |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.h. |
| 3. With nonfinancial customers .....                    |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 3.   |
| a. Local .....                                          |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 3.a. |
| b. Cross-border .....                                   |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 3.b. |
| <b>TOTAL OTC OPTIONS</b> .....                          |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       |      |
| 1. o/w prime brokered .....                             |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1    |
| 2. o/w retail-driven .....                              |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.   |
| 3. o/w back-to-back trades .....                        |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 3.   |
| 4. o/w compression trades .....                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 4.   |
| <b>OTHER PRODUCTS<sup>7</sup></b>                       |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       |      |
| 1. o/w back-to-back trades .....                        |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1.   |
| 2. o/w compression trades .....                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.   |
| <b>TOTAL FX CONTRACTS</b> .....                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       |      |
| 1. o/w prime brokered .....                             |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 1.   |
| 2. o/w retail-driven .....                              |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 2.   |
| 3. o/w related party trades <sup>8</sup> .....          |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 3.   |
| 4. o/w back-to-back trades .....                        |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 4.   |
| 5. o/w compression trades .....                         |             |     |     |     |     |     |     |     |     |     |     |     |                    |             |     |     |     |     |     |     |                            |                             |                    |       | 5.   |

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.

2. "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A6 for a more detailed breakdown of total turnover in "other" currencies.

3. "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY.

4. Covers the sum of the totals in tables A4, A5 and the column "Residual".

5. A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions.

6. Including currency warrants and multicurrency swaptions.

7. Any instrument where the transaction is highly leveraged and/or the notional amount is variable and where a decomposition into individual plain vanilla components is impractical or impossible.

8. Trades between desks and offices, and trades with own branches and subsidiaries and between affiliated firms (regardless of whether the counterparty is resident in the same country as the reporting dealer or in another country). Back-to-back deals and trades to facilitate internal bookkeeping and internal risk management within a given institution are not to be reported in the context of the triennial survey.

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Table A6—Foreign Exchange Contracts<sup>1</sup>  
Turnover in nominal or notional principal amounts in April 2022

| U.S. Dollar Amounts in Millions   |  | Total turnover in listed currencies against all other currencies <sup>2</sup> |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                   |  | ARS                                                                           | AUD | BGN | BHD | BRL | CAD | CHF | CLP | CNY | COP | CZK | DKK | GBP | HKD | HUF | IDR | ILS | INR | KRW | LTL | LVL | MXN | MYR | NOK | NZD | PEN | PHP | PLN | RON | RUB | SAR | SEK | SGD | THB | TRY | TWD | ZAR | Other |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>INSTRUMENTS</b>                |  |                                                                               |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>CURRENCY SWAPS<sup>3</sup></b> |  |                                                                               |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. With reporting dealers .....   |  |                                                                               |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. All transactions involving exposure to more than one currency, whether in interest rates or exchange rates.

2. Only transactions which are included in the columns "other" in tables A4, A5, and "residual" in table A5. Trades involving the domestic currency, the USD, the EUR or the JPY in one leg, and any of the currencies listed in this table in the other leg, should be allocated to the relevant currency column in this table once; these deals should correspond to the ones reported in columns "other" of tables A4 and A5. Trades between any two currencies listed in this table should be reported in both relevant currency columns, thus summing to 200% of the deal; these trades should correspond to the ones reported in column "residual" in table A5. Currencies subject to compulsory reporting have been marked in blue.

3. A swap is considered to be a single transaction in that the two legs are not counted separately.

4. Including currency warrants and multicurrency swaptions.

# Central Bank Survey of Foreign Exchange and Derivatives Market Activity

## Table A7—Settlement of Foreign Exchange Transactions

Turnover in nominal or notional principal amounts in April 2022

See next page.

U.S. Dollar Amounts in Millions

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| 1. Total turnover (grand total in Table A5) <sup>1</sup> ..... |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |
|----------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|

1. Total turnover in this table excludes item "other products" from Table A5.

2. Shaded cells should not be reported. To avoid double reporting, only pay side should be included.

|    | A                                                                                                                                                                                                                                                                                | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|    | <div><div>NEW Table A7</div><div>SETTLEMENT OF FOREIGN EXCHANGE TRANSACTIONS<br/>April-2024</div><div>All data should be rounded to the nearest million US dollars in each box; e.g. \$2,300,000 entered as 2.<br/>The data should cover all April 2024 Working Days</div></div> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 1  |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2  |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 3  |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 4  |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 5  |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 6  |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 7  |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 8  |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 9  |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 10 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 11 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 12 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 13 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 14 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 15 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 16 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 17 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 18 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 19 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 20 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 21 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 22 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 23 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 24 |                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

Error Definition

Totals do not match as expected  
Section A (Row 6) - [ 1 = 2 + 3 + 4 + 5]  
Section D (Row 10) - [4 = 4a + 4b + 4c]  
Section E (Row 14) - [ 5 = 5a + 5b]

o/w should not be greater then associated Total  
(e.g. 3a should not be greater then 3)

Note: If the error is occurring due to rounding please ignore

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Turnover in nominal or notional principal amounts in April 2022

1. All transactions where all the legs are exposed to one and only one currency's interest rate, including all fixed/floating and floating/floating single-currency interest rate contracts.
2. A swap is considered to be a single transaction in that the two legs are not counted separately.

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Turnover in nominal or notional principal amounts in April 2022

- 1.
- 1.a.
- 1.b.
- 2.
- 2.a.
- 2.b.
- 3.
- 3.a.
- 3.b.

  

- 1.
- 2.

  

- 1.
- 2.

  

- 1.
- 2.
- 3.

1. All transactions where all the legs are exposed to one and only one currency's interest rate, including all fixed/floating and floating/floating single-currency interest rate contracts.
2. Any instrument where the transaction is highly leveraged and/or the notional amount is variable and where a decomposition into individual plain vanilla components is impractical or impossible.
3. It includes forward rate agreement, interest rate swaps, options and other products.
4. Trades between desks and offices, and trades with own branches and subsidiaries and between affiliated firms (regardless of whether the counterparty is resident in the same country as the reporting dealer or in another country).

# Central Bank Survey of Foreign Exchange and Derivatives Market Activity

## Table C2—Execution Method for Foreign Exchange Contracts

Turnover in nominal or notional principal amounts in April 2022

| U.S. Dollar Amounts in Millions           | Voice  |          | Electronic                             |       |                  |                  | Unal-located | Total <sup>1</sup> |
|-------------------------------------------|--------|----------|----------------------------------------|-------|------------------|------------------|--------------|--------------------|
|                                           | Direct | Indirect | Direct                                 |       | Indirect         |                  |              |                    |
|                                           |        |          | Single-bank proprietary trading system | Other | Anonymous Venues | Disclosed Venues |              |                    |
|                                           |        |          |                                        |       |                  |                  |              |                    |
| <b>INSTRUMENTS</b>                        |        |          |                                        |       |                  |                  |              |                    |
| <b>SPOT</b>                               |        |          |                                        |       |                  |                  |              |                    |
| 1. With reporting dealers .....           |        |          |                                        |       |                  |                  |              | 1.                 |
| a. Local .....                            |        |          |                                        |       |                  |                  |              | 1.a.               |
| b. Cross-border.....                      |        |          |                                        |       |                  |                  |              | 1.b.               |
| 2. With other financial institutions..... |        |          |                                        |       |                  |                  |              | 2.                 |
| 3. With nonfinancial customers .....      |        |          |                                        |       |                  |                  |              | 3.                 |
| <b>TOTAL SPOT</b> .....                   |        |          |                                        |       |                  |                  |              |                    |
| <b>OUTRIGHT FORWARDS</b>                  |        |          |                                        |       |                  |                  |              |                    |
| 1. With reporting dealers .....           |        |          |                                        |       |                  |                  |              | 1.                 |
| a. Local .....                            |        |          |                                        |       |                  |                  |              | 1.a.               |
| b. Cross-border.....                      |        |          |                                        |       |                  |                  |              | 1.b.               |
| 2. With other financial institutions..... |        |          |                                        |       |                  |                  |              | 2.                 |
| 3. With nonfinancial customers .....      |        |          |                                        |       |                  |                  |              | 3.                 |
| <b>TOTAL OUTRIGHT FORWARDS</b> .....      |        |          |                                        |       |                  |                  |              |                    |
| <b>FOREIGN EXCHANGE SWAPS</b>             |        |          |                                        |       |                  |                  |              |                    |
| 1. With reporting dealers .....           |        |          |                                        |       |                  |                  |              | 1.                 |
| a. Local .....                            |        |          |                                        |       |                  |                  |              | 1.a.               |
| b. Cross-border.....                      |        |          |                                        |       |                  |                  |              | 1.b.               |
| 2. With other financial institutions..... |        |          |                                        |       |                  |                  |              | 2.                 |
| 3. With nonfinancial customers .....      |        |          |                                        |       |                  |                  |              | 3.                 |
| <b>TOTAL FOREIGN EXCHANGE SWAPS</b> ..... |        |          |                                        |       |                  |                  |              |                    |
| <b>CURRENCY SWAPS</b>                     |        |          |                                        |       |                  |                  |              |                    |
| 1. With reporting dealers .....           |        |          |                                        |       |                  |                  |              | 1.                 |
| a. Local .....                            |        |          |                                        |       |                  |                  |              | 1.a.               |
| b. Cross-border.....                      |        |          |                                        |       |                  |                  |              | 1.b.               |
| 2. With other financial institutions..... |        |          |                                        |       |                  |                  |              | 2.                 |
| 3. With nonfinancial customers .....      |        |          |                                        |       |                  |                  |              | 3.                 |
| <b>TOTAL CURRENCY SWAPS</b> .....         |        |          |                                        |       |                  |                  |              |                    |
| <b>OTC OPTIONS</b>                        |        |          |                                        |       |                  |                  |              |                    |
| 1. With reporting dealers .....           |        |          |                                        |       |                  |                  |              | 1.                 |
| a. Local .....                            |        |          |                                        |       |                  |                  |              | 1.a.               |
| b. Cross-border.....                      |        |          |                                        |       |                  |                  |              | 1.b.               |
| 2. With other financial institutions..... |        |          |                                        |       |                  |                  |              | 2.                 |
| 3. With nonfinancial customers .....      |        |          |                                        |       |                  |                  |              | 3.                 |
| <b>TOTAL OTC OPTIONS</b> .....            |        |          |                                        |       |                  |                  |              |                    |
| <b>TOTAL FX CONTRACTS</b> .....           |        |          |                                        |       |                  |                  |              |                    |

1. Total Spot, Outright forwards, and FX swaps should be consistent with amounts reported in A2; currency swaps and OTC options should be consistent with the amounts reported in table A5.