# VII. THE FRAMEWORK FOR MONETARY STATISTICS

#### INTRODUCTION

- **362.** This chapter describes the framework for the compilation and presentation of *monetary statistics* in accordance with the methodology recommended in this manual. The monetary statistics cover stock and flow data on the assets and liabilities of the financial corporations sector and its subsectors. The broader category of *financial statistics*, described in Chapter 8, covers all financial stocks and flows in the economy.
- 363. The monetary statistics include data for all institutional units in the *financial corporations sector*, which, as described in Chapter 3, is subdivided into five subsectors in the *1993 SNA*. For compiling the monetary statistics, the financial corporations sector is divided into the *central bank subsector*, the *other depository corporations subsector*, and the *other financial corporations subsector*, the last of which encompasses the *1993 SNA* subsectors for insurance corporations and pension funds, other financial intermediaries, and financial auxiliaries. Taken together, the central bank and other depository corporations constitute the *depository corporations subsector*.
- **364.** The framework for the monetary statistics recommended in this manual embodies two levels of data compilation and presentation. At the first level, stock and flow data reported by individual institutional units are aggregated into *sectoral balance sheets*, which contain comprehensive data for the individual financial corporations subsectors—that is, the central bank, other depository corporations, and other financial corporations. At the second level, the data in the sectoral balance sheets are consolidated into *surveys*. The data in the sectoral balance sheets are also used in the compilation of the financial statistics, as described in Chapter 8.

- **365.** Surveys are compiled for financial corporations subsectors and for the entire financial corporations sector. The DCS and its component surveys—the CBS and the ODCS are the major focus of the monetary statistics and constitute a core set of data for macroeconomic analysis. The DCS contains stock and flow data on the depository corporations' liabilities that are components of broad money, as nationally defined, and data on the depository corporations' assets that are claims on (i.e., credit to) other sectors of the economy. The DCS also contains data on the depository corporations' claims on and liabilities to nonresidents. The CBS and ODCS show the data that are consolidated to obtain the DCS and other data that are used in monetary and credit analysis at the separate levels of the central bank and other depository corporations. In particular, the *CBS* shows the components of the monetary base, described in Chapter 6.
- **366.** The monetary statistics framework also includes the *FCS*, which extends the coverage beyond the depository corporations covered in the *DCS*. In the *FCS*, the stock and flow data from the *DCS* are consolidated with the data from the *OFCS*, which contains stock and flow data consolidated for insurance corporations and pension funds, other financial intermediaries, and financial auxiliaries. The *FCS* thereby provides the stock and flow data for analyzing claims on and liabilities to all other sectors of the economy and nonresidents, at the level of the entire financial corporations sector. In particular, the *FCS* shows a comprehensive measure of credit extended by financial corporations.

# OVERVIEW OF THE FRAMEWORK

**367.** The purpose of the sectoral balance sheets is to provide a framework for the collection and

presentation of data in a format that facilitates (1) the compilation of surveys, 41 as described in this chapter and (2) the presentation of flow of funds for the financial corporations sector, as described in Chapter 8. The data for a sectoral balance sheet are obtained from the individual institutional units within a financial corporations subsector and are classified into standard components, in accordance with the sectorization, instrument classification, and accounting principles in this manual. In addition, sectoral balance sheets are directly useful for analyses requiring subsector data that are more highly disaggregated than the asset and liability categories shown in the corresponding financial subsector surveys.

**368.** The *DCS* covers the accounts of the depository corporations and is a consolidation of the *CBS* and the *ODCS*. The *FCS* is a consolidation of the *DCS* and the *OFCS*.

**369.** For many countries, the *DCS* will constitute the principal set of monetary statistics for macroeconomic policy. The *DCS* is a consolidated statement of stocks and flows for the accounts of all financial sector corporations that incur liabilities included in the national definition of broad money. The framework of the *DCS* is designed to facilitate analysis of broad money and its components, credit aggregates and their components, and depository corporations' foreign assets and liabilities and other assets and liabilities.

**370.** By maintaining the balance-sheet identity in the DCS, the broad money liabilities of depository corporations are linked to their claims on (i.e., credit to) nonresidents and sectors of the domestic economy, and to their other assets and liabilities. This balance sheet identity is reflected in the stock and flow data in the DCS.

**371.** No single definition of broad money is prescribed in this manual, in recognition that

national definitions of broad money vary considerably across countries. For each country, the national definition of broad money is used in determining the institutional units covered by the *DCS*. All institutional units that (1) are included in the financial corporations sector *and* (2) issue liabilities included in the national definition of broad money are classified as depository corporations and are therefore included in the *DCS*.<sup>42</sup>

372. The *DCS* is structured to facilitate macroeconomic analysis that makes use of the linkages between the monetary statistics and other macroeconomic statistics. The balance sheet presentation of the *DCS* links depository corporations' broad money liabilities to their foreign assets and liabilities and to their claims on and liabilities to central government, thereby linking the monetary statistics to the balance of payments and government finance statistics, respectively.

**373.** The *DCS* can be rearranged to show that *broad-money liabilities* (*BML*) equal the sum of *net foreign assets* (*NFA*), *domestic credit* (*DC*), and *other items* (*net*) (*OIN*). That is, the opening or closing stock positions in the *DCS* can be shown as

$$BML = NFA + DC - OIN$$

DC comprises net claims on central government and claims on other sectors. OIN denotes a residual category for other liabilities less other assets, when other liabilities includes all liabilities not included in broad money.

**374.** Total flows (closing stocks less opening stocks) for the *DCS* are shown as

$$)BML = )NFA + )DC - )OIN$$

<sup>&</sup>lt;sup>41</sup>The surveys contain stock and flow data encompassing all assets and liabilities for the units covered by the respective survey. Each is based on data for all institutional units within the subsector. Thus, the term *survey* refers to comprehensive data for all units in a subsector, rather than to sample survey data that would cover only a subset of units or only a subset of the asset and liability accounts.

<sup>&</sup>lt;sup>42</sup>National definitions of money may include liabilities of sectors in addition to those of the financial corporations sector. These components of money may include currency issued by the central government, deposits issued by the public nonfinancial corporations sector (i.e., post offices), and currency issued by nonresidents. These components are combined with the money components in the DCS to obtain monetary aggregates as nationally defined.

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where ) denotes a total flow (period-to-period change). The flow data in each category in the *DCS* are decomposed into separate flows for transactions, valuation changes, and OCVA.

**375.** Changes in broad money liabilities can arise from changes in the foreign assets and foreign liabilities of the depository corporations, as can be seen from the identity that links *) BML* to *) NFA*, shown in the preceding paragraph.

**376.** The components of DC are shown as

$$)DC = )NCG + )CORS$$

where NCG and CORS denote net claims on central government and claims on other sectors, respectively.

- 377. The components of ) NCG in the DCS are directly linked to the government finance statistics. Data on the transaction flows for the underlying components of net claims on central government can be used to analyze the expansionary or contractionary effects on broad money that can arise from financial transactions between the depository corporations and the central government. Growth in net claims on central government—through a rise in depository corporations' holdings of government securities, direct lending to government, and/or reduction in government deposit holdings—will exert an expansionary influence on the broad-money liabilities of depository corporations.
- 378. ) CORS shows the total flows arising from changes in depository corporations' claims on resident sectors other than the central government. An increase in these claims—a positive ) CORS—has an expansionary effect on broad money liabilities, whereas a decrease in these claims has a contractionary effect. Data on the sectoral components of ) CORS can be used to analyze the sources of expansionary or contractionary effects on broad money, arising from growth or decline in depository corporations' claims on the various sectors of the economy. For more detailed analysis, ) CORS can be disaggregated into transactions, valuation changes, and OCVA.

# SECTORAL BALANCE SHEETS

- 379. The sectoral balance sheet constitutes the underlying framework for organizing the monetary data that are used to compile surveys of subsectors of the financial corporations sector. The sectoral balance sheet is organized into asset and liability categories that are the same as, or consistent with, the categories of financial assets in the 1993 SNA. The framework of the sectoral balance sheet embodies the "building block" approach of this manual, whereby data are classified by sector and type of financial instrument at disaggregated levels to provide flexibility in the use of the data for a broad range of analyses.
- 380. Sectoral balance sheet data are obtained from the accounting and, in some cases, administrative records of the institutional units within the financial subsector covered by the sectoral balance sheet. Data for some or all units in a particular subsector may need to be obtained from other sources or may need to be estimated. Data for each unit are classified into standard components in accordance with the sectorization, instrument classification, and accounting rules explained in Chapters 3-5 of this manual. The data for each unit are reported to the compilers of monetary and financial statistics, and the data for all units in the financial subsector are aggregated into a sectoral balance sheet.
- **381.** The sectoral balance sheet contains separate columns for opening (beginning of period) and closing (end of period) stocks, as well as for financial flows arising from transactions, valuation changes, and OCVA during a particular period. Chapter 5 describes these three components of financial flows.
- **382.** Financial assets and liabilities are classified by instrument and by creditor/debtor sector. The classification in the sectoral balance sheets follows that of the *Financial Account* of the *1993 SNA*, except that *loans* and *securities other than shares* are not dissagregated by maturity, which is a secondary classification in the *1993 SNA*. However, supplementary data disaggregated by

maturity may be useful for the monetary statistics in the national context. The sectoral balance sheet also distinguishes between those liabilities that are included in the national definition of broad money and those that are excluded from that definition.

- **383.** The liabilities section of the sectoral balance sheet shows shares and other equity on a book value basis, disaggregated by various components. However, use of the sectoral balance sheet data in compiling flow of funds accounts, as described in Chapter 8, requires that data be available for shares and other equity on a market-price basis, disaggregated by holding sector. The latter data are included as memorandum items to the sectoral balance sheet. (Chapter 5 discusses the valuation of liabilities in the form of shares and other equity.) The sectoral balance sheets disaggregate liabilities in the form of shares and other equity into funds contributed by owners, retained earnings, general and special reserves, SDR allocations (applicable only to the central bank), and valuation adjustment. Funds contributed by owners is the amount of the proceeds from the financial corporation's sale of shares to equity holders. The category of retained earnings shows all earnings (after-tax profit) from the overall operations of the financial subsector less any amount of earnings that have been allocated to general and special reserves, which is established as a capital cushion to cover operational and financial risks of corporations. Valuation adjustment pertains to adjustments arising from changes in the market values (or fair value equivalents) of assets and liabilities, resulting from changes in market prices of assets and liabilities and from changes in exchange rates used in converting foreign-currency-denominated positions into domestic currency amounts.
- **384.** The sectoral balance sheet includes separate data categories for intrasectoral assets and liabilities—the financial subsector units' claims on and liabilities to other units within the subsector. Compilation of the corresponding survey involves consolidation of the sectoral balance sheet accounts. The consolidation nets out each unit's claims on and liabilities to other units within that subsector, resulting in a survey that shows only the financial subsector's claims on and liabilities to other sectors, including other financial subsectors, and nonresidents.

- **385.** Claims on and liabilities to the individual financial corporations subsectors are presented as separate categories of sectoral balance sheet data for use in compiling the *DCS* and the *FCS* in which accounts between subsectors are consolidated.
- **386.** The sectoral balance sheet is denominated in national currency units. All foreign-currency-denominated assets and liabilities are converted to national currency values using market or market-equivalent exchange rates, as Chapter 5 of this manual describes.
- **387.** Table 7.1, at the end of this chapter, shows the format for the sectoral balance sheet for a financial corporations subsector. Some asset and liability categories shown in Table 7.1 do not apply to all subsectors of the financial corporations sector. For example, the central bank is the only financial corporations subsector that can hold monetary gold. Similarly, on the liabilities side, the central bank is almost always the only financial corporations subsector that issues currency.
- **388.** The sectoral balance sheets and the accompanying memorandum items provide the data needed for the compilation of the surveys. Some of the memorandum items are needed for compiling the monetary and financial statistics in most or all countries. The other memorandum items are needed in some countries and are useful for more detailed analysis in most countries.
- **389.** Data on central bank float (shown as a memorandum item) are needed for the compilation of the *DCS* for each country in which such float is provided by the central bank. Data on the market values (or fair values) of shares and other equity (also shown as memorandum items), disaggregated by holding sector, are necessary elements for the compilation of the flow of funds and related stock data described in Chapter 8.
- **390.** In some countries, lending institutions may be required to exclude interest arrears (i.e., interest that is overdue for payment) from the valuation of loans, or they may be required to report the expected realizable values of their loan portfolios—that is, the values adjusted for

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expected loan losses. Neither type of adjustment for interest arrears or expected loan losses—is recommended for the loan data shown in the sectoral balance sheets. However, memorandum items for (1) interest arrears on loans and (2) expected loan losses are recommended for use in obtaining alternative valuations of loan portfolios. As shown in the memorandum items in Table 7.1, it is recommended that the data on interest arrears and expected loan losses be disaggregated by sector, thereby facilitating the compilation of disaggregated loan data based on the alternative valuation methods. Such data are useful for supervisory purposes and macroeconomic analysis, regardless of whether the reporting of such data is mandated by law, regulation, or national practice.

**391.** Box 7.1 shows examples for further disaggregation of sectoral balance sheets that may be appropriate in a particular national context. In some countries, more disaggregated categories of the depository corporations' liabilities may be needed to provide data for monetary aggregates that are more narrowly defined than the national definition of broad money.

**392.** Even though the sectoral balance sheets provide the complete set of data necessary for the compilation of surveys and flow of funds, additional data are needed for macroeconomic analysis. Box 7.2, relating to financial derivatives and contingent items, gives examples of additional categories of data to supplement, or accompany, the sectoral balance sheets.

# SURVEYS OF FINANCIAL CORPORATIONS

393. Illustrative surveys of the financial corporations sector are presented at the end of this chapter. These surveys utilize, and rearrange into analytical presentations, the data in the illustrative sectoral balance sheets that are shown in Appendix 3 of this manual. These surveys comprise those for the three subsectors of the financial corporations subsector, namely, the *CBS*, the *ODCS*, and the *OFCS*, and the two higher-level surveys based on them. As mentioned at the beginning of this chapter, the *CBS* and the *ODCS* are consolidated to obtain the *DCS*, and the three subsector surveys

are consolidated to obtain the *FCS*. The surveys show both stocks and flows, with the latter broken down into their three components.

# Box 7.1. Examples for Further Disaggregation of Sectoral Balance Sheets

#### Assets

# **Deposits**

Other deposits by maturity (short- and long-term or other maturity breakdown)

Deposits with nonresidents by country of issuance

#### Securities other than shares

By maturity (short- and long-term or other maturity breakdown)

By type (certificates of deposit, commercial paper, bankers' acceptances, bills, bonds, etc.)

Securities under repurchase agreement Nonresident securities by debtor country

#### Loans

By maturity (short- and long-term or other maturity breakdown)

Loans arising from repurchase agreements, by debtor sector/subsector

Nonresident loans by (1) debtor country and (2) type of debtor (IMF, other international organization, central bank, foreign government, etc.)

#### **Financial derivatives**

By major category (i.e., futures contract, other forward contract, or options contract) and subcaterogy.

#### Liabilities

#### **Deposits**

Other deposits by maturity (short- and long-term or other maturity breakdown)

Deposits of nonresidents by country of holder

# Securities other than shares

By maturity (short- and long-term or other maturity breakdown)

By type (certificates of deposit, bankers' acceptances, commercial paper, etc.)

#### Loans

By maturity (short- and long-term or other maturity breakdown)

Loans arising from repurchase agreements, by creditor sector/subsector

Nonresident loans by (1) creditor country and (2) type of creditor (IMF, other international organization, central bank, foreign government, etc.)

#### Financial derivatives

By major category (i.e., futures contract, other forward contract, or option contract) and subcategory

# Box 7.2. Examples of Supplementary Data

#### Assets

# Financial derivatives: Notional values

By category of underlying asset (deposits, loans, securities, etc.)

By risk type (interest rate risk, exchange rate risk, etc.)

#### Liabilities

#### Financial derivatives: Notional values

By category of underlying asset (deposits, loans, securities, etc.)

By risk type (interest rate risk, exchange rate risk, etc.)

# **Contingent Items**

Guarantees by category of guaranteed obligation (deposits, loans, securities, etc.)

Commitments by category (credit line, loan commitment, underwriting contract, etc.)

- **394.** The survey for each financial corporations subsector is built around the accounting identity underlying the sectoral balance sheet and is structured to provide an analytic presentation of the intermediation role of the relevant subsector. For each survey, the asset side focuses on credit extended to nonresidents and to each of the various domestic sectors. The liability side of the CBS and the ODCS is structured to show those liabilities that are included in broad money and, for the CBS, to show the components of the monetary base. The liability side of the FCS separately identifies insurance technical reserves, since these form a substantial part of the liabilities of the other financial corporations subsector in many countries.
- **395.** The subsector surveys share the following common characteristics:
  - Foreign assets are presented on both a net and a gross basis, with breakdowns by instrument. Movements in net foreign assets

provide an indication of the direct domestic monetary impact of the subsectors' transactions with the rest of the world.<sup>43</sup>

- Claims on central government are shown on both a net and a gross basis. The presentation on a net basis facilitates the analysis of financial corporations' financing of central government operations.
- Claims on domestic sectors other than central government are disaggregated into claims on (1) state and local government, (2) public nonfinancial corporations, (3) other nonfinancial corporations, and (4) other resident sectors, comprising households and NPISHs.
- Claims on and liabilities to each of the other subsectors of the financial corporations sector are separately identified to enable the consolidation of the subsector surveys in the *DCS* and the *FCS*.
- The primary disaggregation on the liabilities side is by instrument. For the *CBS* and the *ODCS*, a further distinction is made between those liabilities that are included in the national definition of broad money and those that are excluded, with further breakdowns by sector. This distinction is not relevant for the *OFCS*, because other financial corporations, by definition, cannot issue broad money liabilities.
- Unlike other categories of assets and liabilities, liabilities in the form of *shares* and other equity are neither sectorized nor netted out in the consolidation process. Rather, they are shown as a separate class of liabilities in order to provide a comprehensive view of the capital base of the institutional units in each subsector.

<sup>&</sup>lt;sup>43</sup>The focus of the CBS with respect to foreign assets and liabilities is on all categories of claims on and liabilities to nonresidents without separate identification of international reserve assets. Guidance on international reserves data is given in Data Template on International Reserves and Foreign Currency Liquidity—Operational Guidelines (Provisional), October 1999 (Washington: IMF).

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- **396.** Claims on and liabilities to nonresidents and domestic sectors are obtained by aggregating the respective items in the sectoral balance sheets. While this is largely self-explanatory, the following should be noted:
  - The reserve deposits component of liabilities to other depository corporations in the CBS, and the corresponding entry in the ODCS, comprises other depository corporations' transferable deposits, denominated in national and foreign currency, held at the central bank.
  - In the *ODCS*, the *currency* component of *claims on central bank* pertains to other depository corporations' holdings of national currency.
  - The *other items (net)* component in the CBS equals other liabilities less other assets. The *other liabilities* component is the sum of liabilities to resident sectors under the other category of other accounts payable and those liabilities under insurance technical reserves that are liabilities to resident sectors other than the central government and the other financial corporations' subsectors. The other assets component is the sum of claims on resident sectors under the other category of other accounts receivable and nonfinancial assets. In addition to these items, other items (net) for the ODCS and the OFCS includes a consolidation adjustment in which the claims on and liabilities to other institutional units within the subsector are netted out by deducting claims on other units within the subsector from liabilities to those units. The consolidation adjustment therefore reflects discrepancies among the data reported by individual units on their positions and transactions with other units in the subsector.
- **397.** The *DCS* and the *FCS*, which are obtained by consolidating the relevant subsector surveys, have some of the features of the subsector surveys. *Foreign assets* and *claims on central government* are shown on both a net and a gross basis, and claims on other domestic sectors are broken down by sector.

- **398.** The focus of the *DCS* is on broad money, which comprises currency outside depository corporations and the other categories of depository corporations' liabilities, broken down by sector, that are included in broad money. *Currency outside depository corporations* comprises *currency in circulation*, from the *CBS*, less the *currency* component of other depository corporations' *claims on the central bank* shown in the *ODCS*.
- **399.** Central bank float, which is shown as a memorandum item on the sectoral balance sheet of the central bank, is deducted from the *transferable deposits* component of *broad money*, with a contra-entry in *other liabilities*. Central bank float represents the amount that the central bank has provided to depository corporations that have sent checks or other items for collection.
- **400.** Liabilities that are not included in broad money are shown by category, and liabilities to the other financial corporations are shown separately (as "of which" items) to enable data consolidation in compiling the *FCS* directly from the *DCS* and *OFCS*.
- **401.** The *consolidation adjustment* in the *DCS* is shown as a separate component of *other items* (*net*) and is obtained as follows: (1) central bank liabilities to other depository corporations *less* other depository corporations' claims on the central bank in the form of reserve deposits and other claims *plus* (2) depository corporations' liabilities to the central bank *less* central bank claims on other depository corporations *plus* (3) the consolidation adjustment from the *ODCS*.
- **402.** The *FCS* provides comprehensive data for the financial corporations sector's claims on and liabilities to all domestic sectors and nonresidents. The *FCS* contains the same asset categories as the *DCS*. However, the *FCS* contains considerably fewer subcategories of

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<sup>&</sup>lt;sup>44</sup>This presentation is necessary if, in compiling the *FCS*, the objective is to show all data used in consolidating the relevant subsector surveys. Such presentation has the virtue of transparency; it gives users access to all of the data involved in compiling the *FCS*. A streamlined presentation that excludes these "of which" items for claims on and liabilities to other financial corporations would not provide such access.

liabilities than in the DCS, because the FCS is not structured to show the liability components of broad money. In fact, some components of broad money—namely, other financial corporations' currency holdings and their holdings of deposits and securities issued by depository corporations have been netted out in the consolidation of the financial corporations sectors' data in the FCS. The presentation in the liability section of the FCS also differs from the DCS in that the FCS contains a separate liability category for insurance technical reserves. This presentation reflects the significant contribution of such reserves to the total liabilities of the financial corporations sector in many countries and the usefulness of such data for analysis of the activities of the entire sector.

# A MONETARY AUTHORITIES ACCOUNT

**403.** The *CBS* covers only central banking functions performed by the central bank. In some countries, however, certain central banking functions are performed wholly or partly by the central government. These include currency issuance, the holding of international reserves, and

the conducting of transactions with the IMF.<sup>45</sup> In such situations, consideration could be given to compiling a monetary authorities account. In this account, data relating to central banking functions performed by the central government should be included along with the data in the *CBS*, and the contra-entries for the data pertaining to central government functions would be shown as adjustments (positive or negative) in a separate set of adjustment accounts that are not subsumed in *net claims on central government*.

Alternatively, data on monetary authorities' activities outside the central bank may be shown as memorandum items accompanying the *CBS*.

# ILLUSTRATIVE SURVEYS FOR THE FINANCIAL CORPORATIONS SECTOR

**404.** Illustrative surveys for the three subsectors of the financial corporations sector, and the *DCS* and the *FCS*, are shown in Tables 7.2-7.6. The surveys embody the data in the illustrative sectoral balance sheets in Appendix 3 of this manual.

 $<sup>^{45}\</sup>mbox{The}$  recommended statistical treatment of accounts with the IMF is described in Appendix 1 to this manual.

Assets (By type of claim and debtor)	Opening Stock	Transactions	Valuation Changes	Other Changes in Volume	Closing Stock
	Stock		Changes	in volume	Stock
Monetary gold and SDRs					
Monetary gold SDRs					
Currency and deposits					
Currency					
National <u>1</u> /					
Foreign					
Transferable deposits					
In national currency					
Central bank					
Other depository corporations Other financial corporations 2/					
Nonresidents					
In foreign currency					
Central bank					
Other depository corporations					
Other financial corporations 2/					
Nonresidents					
Other deposits					
In national currency					
Central bank					
Other depository corporations					
Other financial corporations <u>2</u> /					
Nonresidents In foreign currency					
Central bank					
Other depository corporations					
Other financial corporations <u>2</u> /					
Nonresidents					
Securities other than shares					
Central bank					
Other depository corporations					
Other financial corporations					
Central government					
State and local government					
Public nonfinancial corporations					
Other nonfinancial corporations					
Other resident sectors					
Nonresidents					
Loans					
Central bank					
Other depository corporations					
Other financial corporations					
Central government					
State and local government					
Public nonfinancial corporations					
Other nonfinancial corporations					
Other resident sectors					
Nonresidents	I	1			

<b>Table 7.1.</b>	<b>Sectoral Balance</b>	Sheet for a I	Financial Cor	rporations Subsecto	or (continued)
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Assets (By type of claim and debtor)	Opening Stock	Transactions	Valuation Changes	Other Changes in Volume	Closing Stock
Shares and other equity Central Bank Other depository corporations Other financial corporations Pubic nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents					
Insurance technical reserves Other financial corporations Nonresidents					
Financial derivatives  Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents					
Other accounts receivable  Trade credit and advances Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents Other Resident sectors Nonresidents					
Nonfinancial assets					
Total assets					

Liabilities (By type of claim and creditor)	Opening Stock	Transactions	Valuation Changes	Other Changes in Volume	Closing Stock
Currency in circulation					
Transferable deposits     In national currency     Other financial corporations     State and local government     Public nonfinancial corporations     Other nonfinancial corporations     Other resident sectors     In foreign currency     Other financial corporations     State and local government     Public nonfinancial corporations     Other nonfinancial corporations     Other resident sectors  Other deposits     In national currency     Other financial corporations     State and local government     Public nonfinancial corporations     State and local government     Public nonfinancial corporations     Other resident sectors  In foreign currency     Other financial corporations     Other financial corporations     Other financial corporations     Other financial corporations     State and local government     Public nonfinancial corporations     Other nonfinancial corporations     Other nonfinancial corporations     Other nonfinancial corporations     Other resident sectors					
Transferable deposits In national currency Central bank Other depository corporations Other financial corporations Central government 3/ State and local government 4/ Public nonfinancial corporations 4/ Other nonfinancial corporations 4/ Other resident sectors 4/ Nonresidents In foreign currency Central bank Other depository corporations Other financial corporations Central government 3/ State and local government Public nonfinancial corporations Other nonfinancial corporations Other nonfinancial corporations Other resident sectors Other resident sectors Nonresidents					

Table 7.1. Sectoral Balance Sheet for a	a Financial	Corporation	ns Subsec	tor (continue	ed)
Liabilities (By type of claim and creditor)	Opening Stock	Transactions	Valuation Changes	Other Changes in Volume	Closing Stock
Other deposits In national currency Central bank Other depository corporations Other financial corporations Central government 3/ State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents In foreign currency Central bank Other depository corporations Other financial corporations Central government 3/ State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents					
Securities other than shares, included in broad money In national currency Other financial corporations State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors In foreign currency Other financial corporations State and local government Public nonfinancial corporations Other nonfinancial corporations					
Securities other than shares, excluded from broad money In national currency Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents					

Table 7.1. Sectoral Balance Sheet for a Financial Corporations Subsector (continued)

Liabilities (By type of claim and creditor)	Opening Stock	Transactions	Valuation Changes	Other Changes in Volume	Closing Stock
In foreign currency Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents					
Loans 5/ Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents					
Insurance technical reserves  Net equity of households in life insurance reserves Residents Nonresidents Net equity of households in pension funds Residents Nonresidents Prepayment of premiums and reserves against outstanding claims Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents					

Table 7.1. Sectoral Balance Sheet for a	Financial	Corporatio	ns Subsec	ctor (continu	ed)
Liabilities (By type of claim and creditor)	Opening Stock	Transactions	Valuation Changes	Other Changes in Volume	Closing Stock
Financial derivatives 5/ Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents					
Other accounts payable Trade credit and advances Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents Other Resident sectors Nonresidents					
Shares and other equity Funds contributed by owners Retained earnings General and special reserves SDR allocations Valuation adjustment					
Total liabilities					

Table 7.1. Sectoral Balance Sheet for a Financial Corporations Subsector (concluded)								
Memorandum Items	Opening Stock	Transactions	Valuation Changes	Other Changes in Volume	Closing Stock			
Assets								
1. Central bank float (applicable to central bank only) 6/ 2. Loans: Of which accrued interest 3. Loans: Of which interest arrears 7/ Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents 4. Loans: Of which expected losses 8/ Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents								
Liabilities  1. Loans: Of which accrued interest  2. Loans: Of which interest arrears 7/  3. Shares and other equity: Market value by holding sector 9/ Central bank Other depository corporations Other financial corporations Central government State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors Nonresidents								

Note: In the table, social security funds are included in central government or state and local government as appropriate. Alternatively, social security funds may be classified as a separate subsector of general government and identified separately in the sectoral balance sheet.

- $\underline{1}/N$  National currency includes that issued by the central bank and central government and, in exceptional cases, by other depository corporations.
- 2/These categories would apply, for example, to other financial intermediaries that accept deposits from other depository corporations but do not accept any deposits included in the national definition of broad money. If these financial corporations begin to accept deposits included in the national definition of broad money, they should be reclassified as other depository corporations.
- 3/In the sectoral balance sheet, as shown, central government deposits are assumed to be excluded from broad money.
- 4/These categories include transferable deposits that are held in other depository corporations that are not operating and are in the process of being liquidated or reorganized.
- 5/ In exceptional circumstances, some types of loans might be included in the national definition of broad money. If so, loans would need to be disaggregated into separate categories for (1) loans included in broad money and (2) loans excluded from broad money. Similarly, if some types of financial derivatives were included in the national definition of broad money, separate categories would be needed for (1) financial derivatives included in broad money and (2) financial derivatives excluded from broad money.
- 6/ Pertains only to float arising from those items in the process of collection that (1) are associated with transferable deposits included in broad money and (2) are items for which the central bank has provided the funds to the other depository corporations that sent the items for collection, but have not yet been collected from the other depository corporations on which the items were drawn.
- 7/ Pertains to either (1) all interest that is overdue for payment or (2) all interest that has been overdue for a specified period (for example, 60 days or longer). The specific rule applied in the national context should be indicated in a footnote,
- 8/ Comprises the amount of loan loss provisions and all expected loans losses not covered by the loss provisions.
- $\frac{9}{2}$  Fair values should be used for shares and other equity that are not traded.

Table 7.2. Central Bank Survey	Opening	Transactions	Valuation	Other Changes	Closing
	Stock		Changes	in Volume	Stock
Net foreign assets	12886	3368	1211	7	17472
Claims on nonresidents	16200	3502	2389	3	22094
Monetary gold and SDR holdings	430	70	47	3	550
Foreign currency	29	15	3	3	47
Deposits	4606	1556	691		6853
Securities other than shares	3802	648	570		5020
Loans	6508	1128	976		8612
Financial derivatives	751	91	113		955
Other	74	-6	-11		57
less: Liabilities to nonresidents	-3314	-134	-1178	4	-4622
Deposits	-1917	-146	-30	4	-2089
Securities other than shares	-1917	5	-30	4	-2089 -72
Loans	-1105	3	1001		-2106
Financial derivatives	-1103	-19	-1001 -175		
Other	-126	26	28		-320
	1654	-105	11		-35 <b>1560</b>
Claims on other depository corporations					
Net claims on central government	3498	-1429	630		2699
Claims on central government	4514	-1107	630		4037
Securities	4105	-1109	616		3612
Other claims	409	2	14		425
less: Liabilities to central government	-1016	-322			-1338
Deposits	-1000	-315			-1315
Other liabilities	-16	-7			-23
Claims on other sectors	432	593	4	-10	1019
Other financial corporations	110	352	-3		459
State and local government	33	-6			27
Public nonfinancial corporations	179	251	5	-5	430
Other nonfinancial corporations	93	-5	2	-3	87
Other resident sectors	17	1		-2	16
Monetary base	19113	2380	-219	9	21283
Currency in circulation	4007	250			4257
Liabilities to other depository corporations	11387	1736	-227	12	12908
Reserve deposits	10979	1604	-261	7	12329
Other liabilities	408	132	34	5	579
Deposits included in broad money	3719	394	8	-3	4118
Transferable deposits	3269	423	8	-3	3697
Other financial corporations	54	17	8	-3	76
State and local government					
Public nonfinancial corporations	48	13			61
Other nonfinancial corporations					
Other resident sectors	3167	393			3560
Other deposits	450	-29			421
Other financial corporations	70	5			75
State and local government	230	-45			185
Public nonfinancial corporations	150	11			161
Other nonfinancial corporations	1				
Other resident sectors					
Other resident sectors					
Other resident sectors Securities other than shares, included in broad money					
Other resident sectors  Securities other than shares, included in broad money  Other financial corporations					
Other resident sectors  Securities other than shares, included in broad money Other financial corporations State and local government					
Other resident sectors  Securities other than shares, included in broad money Other financial corporations State and local government Public nonfinancial corporations					
Other resident sectors  Securities other than shares, included in broad money Other financial corporations State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors					
Other resident sectors  Securities other than shares, included in broad money Other financial corporations State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors  Deposits excluded from broad money					
Other resident sectors  Securities other than shares, included in broad money Other financial corporations State and local government Public nonfinancial corporations Other nonfinancial corporations Other resident sectors					

Loans					
Of which: Other financial corporations					
Financial derivatives	79	-3	11	-5	82
Of which: Other financial corporations	22	-5	5	-5	17
Trade credit and advances	82	15			97
Of which: Other financial corporations	24	11			35
Shares and other equity	388	61	2057		2506
Funds contributed by owners	122				122
Retained earnings	95	52			147
General and special reserves	46	9			55
SDR allocations	37		4		41
Valuation adjustment	88		2053		2141
Other items (net)	-1192	-26	7	-7	-1218
Other liabilities	69	6	16	-14	77
less: Other assets	-1261	-32	-9	7	-1295

Table 7.3. Other Depository Corporations Survey	Opening	Transactions	Valuation	Other Changes	Closing
	Stock	Transactions	Changes	in Volume	Stock
Net foreign assets	10332	-54	1925	6	12209
Claims on nonresidents	16088	357	2263	12	18720
Foreign currency	1234	212	143	3	1592
Deposits	13854	105	1988		15947
Securities other than shares	340	7	51		398
Loans	412	31	70	2	515
Financial derivatives	35	-12	-5	2	20
Other	213	14	16	5	248
less: Liabilities to nonresidents	-5756	-411	-338	-6	-6511
Deposits	-2178	-171	-112		-2461
Securities other than shares	-1085	8	-209	-3	-1289
Loans	-596		2	-2	-596
Financial derivatives	-112	14	-31	-1	-130
Other	-1785	-262	12		-2035
Claims on central bank	10798	1885	82	6	12771
Currency	357	71	-2	2	428
Reserve deposits	10267	1700	74	2	12043
Other claims	174	114	10	2	300
Net claims on central government	8697	114	98	5	8914
Claims on central government	8805	112	99	6	9022
Securities other than Shares	8796	111	99	6	9012
Other claims	9	1			10
less: Liabilities to central government	-108	2	-1	-1	-108
Deposits	-56	7	-1		-50
Other liabilities	-52	-5		-1	-58
Claims on other sectors	98371	-163	544	-511	98241
Other financial corporations	160	-1		2	161
State and local government	128	2		2	132
Public nonfinancial corporations	5738	208	69	-51	5964
Other nonfinancial corporations	72124	-431	300	-289	71704
Other resident sectors	20221	59	175	-175	20280
Liabilities to central bank	1595	31	15		1641
Deposits included in broad money	91437	2775	2520		96732
Transferable deposits	39418	4120	31		43569
Other financial corporations	8709	870	5		9584
State and local government	448	45	2		495
Public nonfinancial corporations	6534	823	4		7361
Other nonfinancial corporations	13022	1320	12		14354
Other resident sectors	10705	1062	8		11775
Other deposits	52019		2489		53163
Other financial corporations	60	9	3		72 53
State and local government	54	-2 9	1		
Public nonfinancial corporations Other nonfinancial corporations	120		397		132
Other resident sectors	15012 36773	-1730 369	2085		13679 39227
Securities other than shares, included in broad money	27097	369	4167		31301
Other financial corporations	101	8	24		133
State and local government	21	-7	3		17
Public nonfinancial corporations	473	14	84		571
Other nonfinancial corporations	13700		2095		15846
Other resident sectors	12802	-29	1961		14734
Deposits excluded from broad money	1087	13	40		1140
Of which: Other financial corporations	312	-10	4		306
Securities other than shares, excluded from broad money	530	107	111	8	756
Of which: Other financial corporations	106	11	19	2	138
Loans					
Of which: Other financial corporations					

Financial derivatives	108	16	16	2	142
Of which: Other financial corporations	12	2	-2		12
Trade credit and advances	30	-1		3	32
Of which: Other financial corporations	4	8			12
Shares and other equity	20100	88	-4060	46	16174
Funds contributed by owners	7896			24	7920
Retained earnings	6342	76		12	6430
General and special reserves	4732	12		10	4754
Valuation adjustment	1130		-4060		-2930
Other items (net)	-13786	-1284	-160	-553	-15783
Other liabilities	1873	-125		-540	1208
less: Other assets	-15672	-1228	-216	3	-17113
plus: Consolidation adjustment	13	69	56	-16	122

Table 7.4. Other Financial Corporations Survey					
The state of the s	Opening	Transactions	Valuation	Other Changes	Closing
	Stock		Changes	in Volume	Stock
Net foreign assets	5060	810	2122	-6	7986
Claims on nonresidents	15753	1160	2161	-12	19062
Foreign currency	762	22	117	-3	898
Deposits	1252	-61	188		1379
Securities other than shares	12389	1213	1797		15399
Loans	512	-17	59	-2	552
Financial derivatives	32	5	7	-2	42
Other	806	-2	-7	-5	792
less: Liabilities to nonresidents	-10693	-350	-39	6	-11076
Deposits					
Securities other than shares	-59	-8	19	3	-45
Loans	-11	-3	-4	2	-16
Financial derivatives	-12	-13	-3	1	-27
Other	-10611	-326	-51		-10988
Claims on depository corporations	9581	102	25	-27	9681
Currency	123	-14		-2	107
Other claims	9458	116	25	-25	9574
Net claims on central government	22649	447	11	-5	23102
Claims on central government	22676	458	12	-6	23140
Securities	22676	458	12	-6	23140
Other claims	27	11	1	1	20
less: Liabilities to central government	-27	-11	-1	1	-38
Deposits Other Visit is	-27	1.1	1	1	20
Other liabilities  Claims on other sectors	92560	-11 <b>5631</b>	-1 <b>41</b>	- <b>86</b>	-38 <b>98146</b>
State and local government	3288	147	41	-30	3433
Public nonfinancial corporations	8451	-302	21	-33	8137
Other nonfinancial corporations	77564	5698	12	-32	83242
Other resident sectors	3257	88	8	-19	3334
Other resident sectors	3231	00		-19	3334
Deposits					
Of which: Depository corporations					
Securities other than shares	288	28	-28	-6	282
Of which: Depository corporations	3	6			9
Loans	41	-6	2		37
Of which: Depository corporations	36	-10	4		30
Financial derivatives	89	26	17	-5	127
Of which: Depository corporations	78	21	13	-3	109
Insurance technical reserve	129102	6831	1620		137553
Net equity of households in life insurance reserves	22357	2221			24578
Net equity of households in pension funds	99999	4365	1620		105984
Prepayment of premiums and reserves against outstanding claims	6746	245			6991
Of which: Depository corporations	30	14			44
Trade credit and advances	81	1		-3	79
Of which: Depository corporations	29	6			35
Shares and other equity	11336	121	535	-46	11946
Funds contributed by owners	5676			-24	5652
Retained earnings	4572	109		-12	4669
General and special reserves	432	12		-10	434
Valuation adjustment	656		535		1191
Other items (net)	-11087	-11	53	-64	-11109
Other liabilities	187	27	56	-64	206
less: Other assets	-11266	-57	10	2	-11311
plus: Consolidation adjustment	-8	19	-13	-2	-4

	Opening	Transactions	Valuation	Other Changes	Closing
	Stock		Changes	in Volume	Stock
Net foreign assets	23218	3314	3136	13	29681
Claims on nonresidents	32288	3859	4652	15	40814
less: Liabilities to nonresidents	-9070	-545	-1516	-2	-11133
Domestic claims	110998	-885	1276	-516	110873
Net claims on central government	12195	-1315	728	5	11613
Claims on central government	13319	-995	729	6	13059
less: Liabilities to central government	-1124	-320	-1	-1	-1446
Claims on other sectors	98803	430	548	-521	99260
Other financial corporations	270	351	-3	2	620
State and local government	161	-4		2	159
Public nonfinancial corporations	5917	459	74	-56	6394
Other nonfinancial corporations	72217	-436	302	-292	71791
Other resident sectors	20238	60	175	-177	20296
Broad money liabilities	125770	3340	6697	-5	135802
Currency outside depository corporations	3650	179	2	-2	3829
Transferable deposits	42554	4498	39	-3	47088
Other financial corporations	8763	887	13	-3	9660
State and local government	448	45	2		495
Public nonfinancial corporations	6582	836	4		7422
Other nonfinancial corporations	13022	1320	12		14354
Other resident sectors	13872	1455	8		15335
Less: Central bank float	-133	-45			-178
Other deposits	52469	-1374	2489		53584
Other financial corporations	130	14	3		147
State and local government	284	-47	1		238
Public nonfinancial corporations	270	20	3		293
Other nonfinancial corporations	15012	-1730	397		13679
Other resident sectors	36773	369	2085		39227
Securities other than shares, included in broad money	27097	37	4167		31301
Other financial corporations	101	8	24		133
State and local government	21	-7	3		17
Public nonfinancial corporations	473	14	84		571
Other nonfinancial corporations	13700	51	2095		15846
Other resident sectors	12802	-29	1961		14734
Deposits excluded from broad money	1087	13	40		1140
Of which: Other financial corporations	312	-10	4		306
Securities other than shares, excluded from broad money	530	107	111	8	756
Of which: Other financial corporations	106	11	19	2	138
Loans					
Of which: Other financial corporations	105	12	25	2	22.4
Financial derivatives	187	13	27	-3	224
Of which: Other financial corporations	34	-3	3	-5	29
Trade credit and advances	112	14		3	129
Of which: Other financial corporations	28	19	2002	4.5	47
Shares and other equity	20488	149	-2003	46	18680
Other items (net)	-13958	-1207	-460	-552 -554	-16177
Other liabilities (includes central bank float)	2075	-74 1260	16	-554	1463
less: Other assets	-16933	-1260	-225	10	-18408
plus: Consolidation adjustment	900	127	-251	-8	768
		, -			
Memorandun item: Central bank float	133	45			178

Table 7.6. Financial Corporations Survey					
<u> </u>	Opening	Transactions	Valuation	Other Changes	Closing
	Stock		Changes	in Volume	Stock
Net foreign assets	28278	4124	5258	7	37667
Claims on nonresidents	48041	5019	6813	3	59876
less: Liabilities to nonresidents	-19763	-895	-1555	4	-22209
Domestic claims	225937	4842	1331	-609	231501
Net claims on central government	34844	-868	739		34715
Claims on central government	35995	-537	741		36199
less: Liabilities to central government	-1151	-331	-2		-1484
Claims on other sectors	191093	5710	592	-609	196786
State and local government	3449	143			3592
Public nonfinancial corporations	14368	157	95	-89	14531
Other nonfinancial corporations	149781	5262	314	-324	155033
Other resident sectors	23495	148	183	-196	23630
Currency outside financial corporations	3527	193	2		3722
Deposits	86905	2246	2548		91699
Securities other than shares	27705	147	4207		32059
Loans	5	4	-2		7
Financial derivatives	164	21	28		213
Insurance technical reserves	129072	6817	1620		137509
Trade credit and advances	136	-10			126
Shares and other equity	31824	270	-1468		30626
Other items (net)	-25123	-722	-346	-602	-26793
Other liabilities	2262	-47	72	-618	1669
less: Other assets	-28199	-1317	-215	12	-29719
plus: Consolidation adjustment	814	642	-203	4	1257