

Overview of the General Statistical Framework

Chapter 2: Overview of the General Statistical Framework

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Table 2.1: Overall Structure and Key Aspects of Extended Accounts:

Overview of the Extended Accounts Architecture

Supply and Use Tables:

Main Entries: Gross Output, Intermediate Inputs, Final expenditures, Imports, Exports, and *Decomposition of Imports, Exports, Intermediate Inputs, Final Expenditures by Country of Origin, by type of producer (with additional breakdowns by type of workers, wages, productivity, etc) with special attention to international, rent, royalty, and licensing fees, and taxes.*

Balancing Items: Gross and Net Value Added, Consumption of Fixed Capital, and *Decomposition of Value-Added by Country of Origin*

Production Account

Main entries: Gross Output, Intermediate Input, Depreciation, and *Decomposition of Intermediate Inputs by country of origin*

Balancing Items and Main Entries: Gross Value-added, Gross Domestic Product, and *Decomposition of Gross Value-added by country of origin*

Distribution and Use of Income Accounts:

Main entries: Compensation of employees, taxes, subsidies, interest, rent, final consumption expenditure, consumption of fixed capital, and *decomposition of foreign and domestic taxes, compensation, interest, and rent.*

Balancing Items: Gross operating surplus, and *decomposition of gross operating surplus (corporate profits) by country of origin (Multinational enterprises).*

Capital Accounts:

Main entries: Acquisitions and disposal of produced and nonproduced assets *with special breakdowns by country and for international high-tech and IP assets*

Balancing Items: Net lending/borrowing *with decomposition by ultimate beneficial debtor and creditor*

Financial Accounts:

Main Entries: Transactions in financial assets and liabilities *with a decomposition between portfolio, direct, and official assets, and by country (counterparty and UBO), currency, and term*

Balancing Items: Net lending/borrowing *with decomposition by ultimate beneficial debtor and creditor*

Overview of the Handbook

- The Handbook is based on the existing standards for national accounts, balance of payments, and integrated economic statistics. The focus is on:
 - Improving those core accounts and business statistics
 - Building extensions to those accounts and statistics to better measure the international fragmentation of production and corresponding globalization of economic activities

Overview of the Handbook: An Incremental Approach

- The general statistical framework to construct extended national accounts and integrated business and trade statistics builds, like other satellite or supplemental accounts, on:
 - The System of National Accounts 2008,
 - The 6th edition of the Balance of Payments and International Investment Position Manual,
 - The 4th edition of the OECD Benchmark Definition of Foreign Direct Investment
 - As well as recent work on the measurement of globalization

Overview of the Handbook: Not Reinventing the Wheel

- This framework, while taking a national perspective, also builds on the compilation practices and policy applications of the global (or multi-country) input-output tables, such as TiVA, the World Input-Output Database, World KLEMS, the Inter-Country Input-Output tables used for TiVA, FIGARO and the Asian I-O table (of IDE-JETRO)
- Environmental-economic extensions (EE-MRIO), such as EXIOPOL and Eora, as well as build on the integrated business, investment and trade statistics, as – for example – indicated in European regulations for business statistics (FRIBS).
- The framework further builds on work by the IMF, the FSB, and the BIS in relation to the G-20 data gaps initiative, and their work in better measuring global financial interdependencies and vulnerabilities.

Flexibility, Efficiency, Accuracy, and Relevance

- The central features of these accounts include:
 - An integrated, cost-effective, and incremental approach that can be flexibly implemented to both improve core statistics and accounts and to develop extended sets of business statistics and national accounts
 - A comprehensive set of extended production, distribution and use of income accounts and statistics that measure global value chains.
 - A comprehensive set of extended multi-country supply and use tables with a national GVC perspective.
 - Trade in Value-Added Estimates and other extensions, such as the integration of the World KLEMS methodology in the SUT framework
 - A comprehensive set of extended capital and financial accounts

Table 3: Domestic product and gross national product

Personal Consumption Expenditures

Gross Private Domestic Investment

 Business Fixed Investment

 Structures

 Equipment

 Intellectual Property

 Change in inventories

 Residential

Net Exports

 Exports

 Goods:

Extended supply and Use and Trade in Value-Added Tables

 Services:

Extended supply and Use and Trade in Value-Added Tables

 Imports

 Goods

Extended supply and Use and Trade in Value-Added Tables

 Services

Extended supply and Use and Trade in Value-Added Tables

Government consumption expenditures
and gross investment:

Extended Government Receipts and Expenditures

Addenda: Gross Domestic Product

Extended supply and use, TIVA, and KLEMS

Plus: Income Receipts from ROW

Extended supply and use, ROW profits, and MNC operations

Less: Income Payments to ROW

Extended supply and use, ROW profits, and MNC operations

Equals: Gross National Product

Table 4: National income

Compensation

Proprietors' Income

Rental Income

Corporate Profits:

Domestic

Rest of World

Net interest

Taxes on production and imports less subsidies

Business current transfers (net)

Current surplus of government enterprises

Extended Supply and Use, TIVA, and Employment Accounts

Extended supply and use, ROW profits, and MNC operations

Extended supply and use, ROW profits, and MNC operations

Table 5: Price and quantity indexes for gross domestic product and related measures

Personal Consumption Expenditures:

Goods

Services

Gross Private Domestic Investment

Business Fixed Investment

Structures

Equipment

Intellectual Property

Change in inventories

Residential

Net Exports:

Goods: Extended supply and use and TIVA tables

Services: Extended supply and use and TIVA tables

Government consumption expenditures and gross investment

Table 6: Command basis real GDP and GNP

Gross Domestic Product

Less: Exports of goods and services

Plus: Imports of goods and services

Equals: Gross Domestic Purchases

Plus: Exports of goods and services, command basis 1/

Less: Imports of goods and services, command basis 1/

Equals: Command-basis GDP 1,2

Plus: Income Receipts from ROW, command basis 1/

Less: Income payments to the ROW, command basis 1/

Equals: Command-basis Gross Domestic Product 1/3/

Addenda:

Command-basis net domestic product 4/

1. Deflated by gross domestic purchases index
2. This measure is called "real gross domestic income" in the SNA, 2008
3. This measure is called "real gross national Income" in the SNA, 2008
4. Deflator is the net domestic purchases index
5. Ratio (multiplied by 100) of the price index for gross domestic product to the price index for gross domestic purchases.
6. Ratio (multiplied by 100) of the price index for exports of goods and services to the price index for imports of goods and services.
7. Ratio (multiplied by 100) of the price index for exports of goods to the price index for imports of goods.
8. Ratio (multiplied by 100) of the price index for goods exports to the price index for nonpetroleum goods imports

Extended price and quantity accounts

Extended price and quantity accounts

Extended price and quantity accounts

Extended price and quantity accounts

Extended price and quantity accounts

Extended price and quantity accounts

Table 7: International transactions

Exports/Imports of goods and services and income receipts

Goods	Extended Supply and Use and TIVA Tables
Services	Extended Supply and Use and TIVA Tables
Primary income receipts	Extended MNE Accounts
Direct investment	Extended accounts by country of Ultimate Beneficial Owner
Equity	
Interest	
Portfolio	Extended accounts by country of issuer, country of holder, UBO
Other investment	

Secondary income (current transfers) receipts

Net U.S. Acquisitions of financial assets/Net incurrence of liabilities (excl. derivatives)

Direct Investment	Extended accounts by country of Ultimate Beneficial Owner
Equity	
Debt	
Portfolio	Extended accounts by country of issuer, country of holder, UBO
Equity	
Debt	
	Short-Term
	Long-Term

Financial derivatives other than reserves

Other investments	Extended accounts by country of issuer, country of holder, UBO
Reserve Assets	Extended accounts by country of issuer, country of holder, UBO

Table 8: International investment position

U.S. Assets/Liabilities

Direct Investment	Expanded accounts by country of
Ultimate Beneficial Owner	
Equity	
Debt	
Portfolio	Expanded accounts by country of
issuer, country of holder, UBO	
Equity	
Debt	
	Short-Term
	Long-Term
Financial derivatives other than reserves	
Other investments	Expanded accounts by country of
issuer, country of holder, UBO	
Reserve assets	Expanded accounts by country of
issuer, country of holder, UBO	