INDUSTRIES ASSOCIATED WITH TRANSPORTATION

Presentation
This note relates to the metadata of the annual follow-up production account. Thus, it describes the definition, range, sources, and methodology used in preparing follow-up production accounts.

Definition and Scope
Definition
Services Associated with Transportation encompass a great variety of related activities or complementary services, including storage services, loading and unloading of goods, bus terminals, ports, airports, road operation, parking facilities, travel agencies, vessel agencies and Customs agencies. Additionally, specifically in Chile, these services also include transportation through gas and oil pipelines, among others.

The following variables are measured: Gross Output, Intermediate Consumption, and Value Added for the Industries Associated with Transportation industry.

Sub-industries / Sub-accounts
Sub-industries include: storage, bus terminals, ports, airports, road operation, parking facilities, Customs agencies, vessel agencies, travel agencies, and transportation through gas and oil pipelines.

Source Data

Administrative Records
- Source Name: Income Statement.
  Reporting Institution: Tax Revenue Service (SII).
  Data used: Revenues from relevant line of business, compensations, and depreciation.
  Frequency: Annual.

Economic Surveys
- Source Name: Survey of Other Transportation Services.
  Reporting Institution: Licensees of roads and airports, port companies, oil ducts and gas ducts. Data gathered by the Central Bank of Chile.
  Data used: Operating sales and income, Costs, Operating Costs, Compensations, and Depreciation.
  Frequency: Annual.
- Source Name: Survey on Vessel, Air, Freight and other Agents.
  Reporting Institution: Companies in the industry. Data gathered by the Central Bank of Chile.
  Data used: Operating Income and Expenditure.
  Frequency: Annual.

Balance Sheets and/or Financial Statements
- Source Name: Annual Reports and Balance Sheets of companies engaged in Industries Associated with Transportation.
  Reporting Institution: Companies in the industry.
  Data used: Operating Income and Expenditure.
Frequency: Annual.

- Source Name: FECU reporting form (Uniform Coded Statistical Record).
  Reporting Institution: Superintendence of Securities and Insurance (SSI).
  Data used: Operating Income and Expenditure.
  Frequency: Annual.

- Source Name: Maritime Statistics Bulletin.
  Reporting Institution: Merchant Marine Agency (DIRECTEMAR).
  Data used: Tonnage handled by Chilean ports.
  Frequency: Annual.

Compilation method

The compilation method to transform source data into the production account consists of the following stages:

Aggregation, imputation and validation

Validations and Imputations

The basic sources are validated with the background information obtained from the above-mentioned sources. They are also compared with the information of the previous period.

The imputation process is based on the analysis of Income/costs ratios by tier. Apart from the imputation process, income information is subject to different statistical analyses.

Classification

The information used for preparing the Industries Associated with Transportation industry is classified as per the International Standard Industrial Classification Rev. 3 (ISIC Rev.3). Products associated to this industry are classified in terms of the Central Product Classification (CPC).

Estimation Procedures

Generally, the procedures used for estimating the production account depend on the information sources available:

- In the benchmark compilation, every five years, there is often more complete information available; it is then possible, with the source data, to determine the “best level” for the production account components.
- There is generally less complete information for annual follow-up compilation. So, in order to obtain the “best-change”, prices, quantities, and values from the source data above detailed are used as indicators, whose changes are applied to the levels of the 2003 benchmark production account, by extrapolation, deflation, inflation, and identities.

The key aspects of the calculation procedure for the main aggregate transactions or variables of the Industries Associated with Transportation annual follow-up production account are shown below.

i) Gross Output (GO). Value at constant prices is obtained by deflation of nominal value. Value at current prices is determined by direct information (road, ports, airports, oil ducts and gas ducts services) and by extrapolation through value index (storage services, bus terminals, vehicle parking facilities, travel agencies, Customs and freight services.)

ii) Intermediate consumption (IC). Value at constant prices for the main components is determined by deflated nominal records. In all the other cases, records is obtained by extrapolation using GO as a single indicator of quantity index. Value at current prices of main components is obtained by extrapolation, using value index. For all the other
cases, record is obtained by inflactation of value at constant prices.

iii) Value Added. Value at constant prices is obtained by the double-indicator method. Value at current prices is obtained as the difference between the GO (at basic prices) and the IC (at purchaser prices).

**Data Reconciliation**

Results of Gross Output are conciliated with Balance of Payments records.

The results obtained are analyzed on an intra-industry basis, comparing industries related with the rest of the transportation lines (mainly air and maritime lines). Additionally, a market analysis of the different industries is carried out, based on the public information prepared by the pertinent companies.

The aggregate Industries Associated with Transportation account is submitted to the transversal processes within the supply-use table framework of annual follow-up production accounts.

**Data Access**

**Publication**

This industry is a component of the Transport group of the CBCH’s publications, except for benchmark compilation years disseminated for 73 industries.

**Production Account**

Period: 2003 through 2007, Base 2003
Link: [http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01e.htm](http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01e.htm)
Tables: 1.37 through 1.41

Link: [http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01b.htm](http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01b.htm)
Tables: 1.30 through 1.47

Period: 1986 through 1998, Base 1986
Tables: 1.29 through 1.56

**Value Added and GDP**

Period: 1960 through 1985, Base 1977