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ECONOMIC ANALYSIS OF INFORMATION ACTIVITIES AND
THE ROLE OF ELECTRONICS, TELECOMMUNICATIONS AND
RELATED TECHNOLOGIES ^a

Definitions and Data to Build Information
Sector Accounts ^a

QUESTIONNAIRE

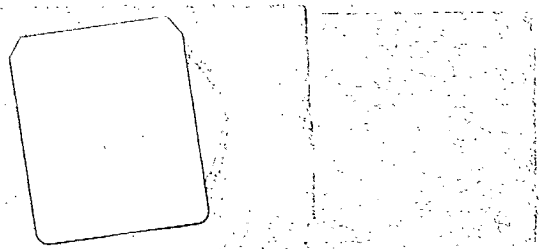
Directorate for Science,
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Working Party on Information,
Computers and Communications
Policy

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LIST OF ABBREVIATIONS

Cat. No.	Catalogue Number
DSTI	Directorate for Science, Technology and Industry
ICCP	(Working Party on) Information, Computer and Communications Policy
LFS	Labour Force Survey
OECD	Organization for Economic Co-operation and Development
SIC	Standard Industrial Classification
T4	Statement of Remuneration Paid (Revenue Canada)

INTRODUCTION

This document, prepared by the Telecommunications Economics Branch of the Canadian Department of Communications, provides answers to a questionnaire entitled Definition and Data to build Information Sector Accounts forwarded by the OECD Secretariat in July 1977, as agreed by the Expert Group in the course of its meeting held on 30th June 1977 (see DSTI/ICCP/77.39).

The OECD Questionnaire (see Appendix A) is divided into two parts. Part I, entitled Inventory of Definitions, deals with definitions of information workers and information sector. Part II, Inventory of Data, requests information on the data sources required to measure the Information Economy. The answers which are given in this document pertain only to Part II of the Questionnaire. No answers for Part I are provided at this time because we feel that further investigation of concepts and definitions is required. This important question of concepts and definitions will be addressed in a position paper which we intend to submit to the Expert Group in the near future.

The answers to Part II of the Questionnaire cover five major sectors. They include labour statistics, national income accounts, input-output, choice of base year, depreciation and data reconciliation. In each section answers to the questions are preceded by a short introduction providing general background information on data sources and data definition. More detailed information is given in the appendices.

For the sake of precision and completeness this document is accompanied by a selected set of Statistics Canada publications. Reference is made to these publications in the text of the answers where it was felt that further clarification or greater precision was warranted.

Canadian statistical sources appear to be adequate to measure both the primary and secondary information sectors in Canada, using Dr. Porat's definition. One major shortcoming is the lack of time-budget studies. Special surveys will probably have to be conducted if the work of Porat in this area is to be fully duplicated in Canada. Other limitations, common to many databases,

include breaks in some of the historical series and definitional discrepancies between different data sources. These problems will require serious attention if a time series study of the information sector is to be produced for Canada. However, these problems do not appear to be insurmountable.

A. LABOUR CENSUS

Introduction

Statistics Canada obtain labour data from three major sources: the decennial census, a monthly household survey (Labour Force Survey (LFS)) and a monthly establishment survey (Employment, Earnings and Hours).

The last full census of labour took place in 1971 and covered one-third of the population. In the 1971 Census, "labour force" refers to civilian (in most cases) non-inmates 15 years and over, who, in the week before enumeration, worked for pay or profit, helped without pay in a family business or farm, looked for work, were on temporary lay-off, or had jobs from which they were temporarily absent because of illness, vacation, strike, etc. Persons doing housework in their own homes, or volunteer work only, are excluded from the labour force. Also excluded are female farm workers who indicated that they helped without pay in a family farm or business for less than 20 hours. It should be noted that there are indications that the labour force in the province of Quebec may be somewhat under-estimated due to response problems. Appendix B provides further information on Canadian labour statistics definition and classification.

The answers to follow refer to Canadian definitions of occupations and industry which can be found in Appendix B. Also included are remarks concerning the problems associated with the current system of coding.

A. LABOUR CENSUS QUESTIONS AND ANSWERS

QUESTION A.1

How many "classes" of occupation are reported? (e.g. wages and salaried workers; self-employed and proprietors; unpaid family workers; government workers; armed forces, etc.). Please specify the classes.

ANSWER

The classes of occupation for both the census and the LFS are reported as follows: (Reference Stat Can Cat. No. 94-758)

- Worked for others
 - . Paid workers
 - . Unpaid workers
- Self-employed
 - . Incorporated business with paid help
 - . Not incorporated business with paid help
 - . Not incorporated business with no paid help
 - . Paid government business
 - . Paid government non-business

QUESTION A.2

How many occupational types are reported within each class?

ANSWER

A complete cross-classification between class and occupation at the 4-digit level (about 500 occupation types) is available for the 1971 census. A list of occupation codes and titles is given in Appendix D. For the 1961 census, a different occupation coding system was used and the cross-classification between class and occupation is available at the 3-digit level (about 300 occupation types).

The LFS provides occupational data for 23 major groups on a monthly basis since 1966.

QUESTION A.3

What is the total length (and frequency) of time series of labour by occupational type?

ANSWER

Different occupational coding systems were used for the 1951, 1961 and 1971 census, consequently the data are not directly comparable. However, the 1951 census data are convertible to the 1961 coding base. Moreover, work is now underway to convert the 1971 data on the 1961 coding base.

The LFS provides time series statistics on a monthly basis since 1961. However, a break in the series occurred in 1973 when the new occupational coding was introduced. (See Appendix E for more details.)

QUESTION A.4

Do you have (or are you able to construct) an "Occupation, by Industry" matrix? If so, how many occupations and how many industries?

ANSWER

The 1971 census gives a matrix consisting of 486 occupations by 300 industries. The link-up with the 1961 census is done at a lower level of occupational detail (3-digit rather than 4-digit).

The revised LFS has a higher level of aggregation and provides a matrix consisting of 23 occupations by 13 industries, starting in January 1975. This information is unpublished owing to small sample estimates.

QUESTION A.5

Do you have a list of average wages and salaries:

- by each occupational type?
- by industry?

When did such a list begin?

ANSWER

For the 1971 census this information is not available in published form but may be obtained on request.

For the 1961 census, it is available on a 3-digit occupation by 3-digit industry basis. (Reference Stat Can Cat. No. 94-792.) A list of 3-digit industry codes and titles is given in Appendix C.

QUESTION A.6

Do you have total wages and salaries paid

- by each occupational type?
- by industry?

ANSWER

The data from the decennial census is available on the same basis as given for Question A.5 above. However, the data are not available on an establishment basis.

QUESTION A.7

List the occupations for which you have time-budget studies.

ANSWER

Not available.

QUESTION A.8

Do you know the ratio of wages and salaries to total employee compensation

- by occupational type?
- by industry?

ANSWER

The labour division of Statistics Canada is preparing, for the first time, a breakdown of the ratio of wages and salaries to total employee compensation for the year 1976. This breakdown, to be published in December 1977 (Stat Can Cat. No. 72-618), will be done by two occupational groups, white and blue collar workers. The industry breakdown will be by the 36 major industry groups. The data are not available on an establishment basis.

QUESTION A.9

Are the unemployed classified by their last occupation and/or industry?

ANSWER

From the decennial census the experienced unemployed (i.e., unemployed workers who have previously been employed) are classified by their last occupation. The LFS does classify workers according to their last occupation and industry.

B. NATIONAL INCOME ACCOUNTS

Introduction

The Canadian system of National Income and Expenditure Accounts was established after World War II as a result of the 1945 White Paper on Employment and Income which presented the government's economic policy objective in the post-war period. The basic theoretical framework of the Accounts was put together during the course of discussions held in 1944 among representatives of the United States, the United Kingdom and Canada to assure some degree of international comparability.

Over the years, many revisions of the National Income and Expenditure Accounts statistics have been made. As a general rule the most comprehensive revisions result from the decennial census when as many as 10 to 20 years of data can be revised to bring the figures into line with the basic census benchmark. For instance, such major revisions occurred in Canada after the 1961 census when 20 years of data were affected (the period between the 1951 and 1961 census and the period after 1961 which is anchored to the basic 1961 census benchmark).

Other statistical revisions have resulted from the availability of new sources of information and new methods of assembling and combining primary data. For instance, significant improvement in the quality of wages and salaries estimates have resulted from the use of income tax return information made available on a tabular basis by Revenue Canada.

Finally, definitional and structural changes have occurred to reflect improvements in the theory and design of national income, institutional changes, the availability of new sources of data, the desire to adhere more closely to international practice or to link national income data to other statistics.

The effect of the 1971 census on the national income accounts has not been fully absorbed yet, but it is not expected to be major. However, until the historical series is revised, there now exists a break in the retail trade series at 1970-1971 brought about by the 1971 census. This modification in retail trade has an important impact on personal expenditure.

A detailed description of the Canadian National Income and Expenditure Accounts (concepts, definitions, sources and methods) is available in Stat Can Cat. No. 13-549E Volume 3. Volume 1 provides statistical estimates on an annual basis for the 1926 to 1974 period and Volume 2 gives quarterly estimates for the 1972 to 1974 period.

B. NATIONAL ACCOUNT QUESTIONS AND ANSWERS

QUESTION B.1 - FINAL DEMAND COMPONENTS

How detailed is the breakdown of:

- (a) Personal consumption,
- (b) Government purchases,
- (c) Exports,
- (d) Imports?

Particularly, with regard to commodity type and industry. For (c) and (d) we are also interested in the country of destination and origin respectively.

ANSWERS

(a) Personal consumption

Personal expenditure on consumer goods and services is available by 39 items since 1947. (See page 11.)

(b) Government Purchases

A breakdown of this item is possible by commodity type and industry using the input-output system described under Section C. A special tabulation is needed (at small cost) before it can be determined how detailed is the breakdown.

(c) Exports and Imports

The breakdown of export and import data by commodity type is very detailed. Since 1961, statistics for 1,240 export commodities and 2,707 import commodities have been published on a monthly basis.

It is possible to convert the commodity breakdown into an industry breakdown at the 4-digit Standard Industrial Classification (SIC) level. However, the accuracy of the conversion is not known.

Data on exports are available by country of destination while imports are available by country of consignment, which is not always the country of origin.

1	Food, beverages and tobacco
2	Food and non-alcoholic beverages.(N-D)
3	Alcoholic beverages.(N-D)
4	Tobacco products.(N-D)
5	Clothing and footwear
6	Men's and boys' clothing.(S-D)
7	Women's and children's clothing.(S-D)
8	Footwear and repair.(S-D)
9	Gross rent, fuel and power
10	Gross imputed rent.(S)
11	Gross rent paid.(S)
12	Other lodging.(S)
13	Electricity.(N-D)
14	Gas.(N-D)
15	Other fuels.(N-D)
16	Furniture, furnishings, household equipment and operation.
17	Furniture, carpets and other floor coverings.(D)
18	Household appliances.(D)
19	Semi-durable household furnishings.(S-D)
20	Non-durable household supplies.(N-D)
21	Laundry and dry cleaning.(S)
22	Domestic services.(S)
23	Other household services.(S)
24	Medical care and health services
25	Medical care.(S)
26	Hospital care and the like.(S)(1)
27	Other medical care expenses.(S)
28	Drugs and sundries.(N-D)
29	Transportation and communication
30	New and used (net) automobiles.(D)
31	Repairs and parts.(D)
32	Gasoline, oil and grease.(N-D)
33	Other auto related services.(S)
34	Purchased transportation.(S)
35	Communications.(S)
36	Recreation, entertainment, education and cultural services.
37	Recreation, sporting and camping equipment.(D)
38	Books, newspapers and magazines.(S-D)
39	Recreational services.(S)
40	Educational and cultural services.(S)
41	Personal goods and services
42	Jewellery, watches and repairs.(S-D)
43	Toilet articles, cosmetics.(N-D)
44	Personal care.(S)
45	Expenditure on restaurants and hotels.(S)
46	Financial, legal and other services.(S)
47	Operating expenses of non-profit organizations.(S)
48	Net expenditure abroad.(S)
49	Total
50	Durable goods
51	Semi-durable goods
52	Non-durable goods
53	Services

QUESTION B.2 - VALUE ADDED

How detailed is the breakdown of:

- (a) Compensation of employees,
- (b) Proprietors income,
- (c) Rents,
- (d) Profits,
- (e) Interest,
- (f) Depreciation,
- (e) Indirect business taxes?

ANSWER

For the breakdown of value added into the above components, see Section C for seven components x 192 industries. The seven components are:

- wages and salary
- supplementary labour income
- household investment income
- depletion and mining right
- capital consumption allowance
- other surplus
- indirect tax less subsidies
- net unincorporated business

QUESTION B.3 - TIME SERIES

(a) When did the National Accounts begin, and at what frequency? How far back (and in what detail) can the components of 1 and 2 be traced?

(b) Do you have price deflators by commodity or industry? At what level of detail and since what date?

ANSWER

(a) The National Income and Expenditure Accounts are available on a quarterly basis back to 1947, with annual estimates employed to extend the series back to 1926. The full detail reported for Questions 1 and 2 is available to 1947, but not earlier. (See Stat. Can. Cat. Nos. 13-531, 13-549E, 13-533.)

(b) Detailed (595 x 192) price deflators by commodity and industry are available from the input-output section of Statistics Canada from 1962. The deflators can be transformed into national income accounts values.

C. INPUT-OUTPUT

Introduction

The framework of the Input-Output tables for Canada bears a close relationship to the one described in the United Nations report, A System of National Accounts. The inputs and outputs of industries are presented in separate tables; both inputs and outputs being classified by commodity. Commodities are clearly distinguished from industries, the number of commodities exceeding the number of industries. The Canadian Input-Output tables are rectangular rather than square.

The Canadian tables contain two sets of inter-related accounts, the Commodity Accounts and the Industry Accounts. The former details the supply and disposition of individual commodities (goods and non-factor services). The latter details the commodity composition of the output of industries and the complete costs of production (including profits) of industries. A full description of the tables is given in Chapter 1 of Stat. Can. Cat. No. 15-506.

The accounting framework of the Canadian Input-Output tables consist of matrices giving values of (i) intermediate inputs; (ii) outputs; (iii) commodity inputs of final demand categories; (iv) primary inputs of industries, and (v) primary inputs of final demand categories.

Most of the values in the production of the annual input-output matrix are census figures such as manufacturing and mining. Other information such as oblique surveys including tax records is also used. A considerable amount of unpublished data is utilized.

The components of final demands are either census values or estimates; for example, export and imports are taken from trade publications, and capital formation is taken from a census of private and public investment in Canada.

Only the large input-output matrix has been mentioned. There are two others, called small and medium matrices. The small is 16 industries by 49 commodities, whereas the medium is 43 by 100. Each has 14 components of final demand. The three matrices have been completed for the period 1961 through 1971. Work is being done currently on the period from 1972 to 1974. When this is completed, there will be a four year lag in production of the matrices from the reference period.

INPUT-OUTPUT QUESTIONS AND THEIR ANSWERS

QUESTION C.1

How detailed is your input-output table:

- commodity rows and columns
- services rows and columns
- government rows and columns
- final demand: how many components,
- value added: how many components?

ANSWER

Three tables are available for each year - the Make Matrix of the Values of Commodity Outputs, the Use Matrix of the values of intermediate commodity inputs as well as primary inputs, and the Final Demand Matrix. The matrices are in both current and constant dollars. At the most detailed level, the system has 191 industries, 595 commodities, seven primary inputs and 136 categories of final demand.

Of the 602 commodities (including the primary inputs), 67 are services including four dummy services.

There are 136 components of final demand. Of these, there are six categories of government gross expenditures, and six categories of government sale of goods and services.

The number of primary inputs (value added) is seven given by 183 industries. These components are:

- wage and salary
- supplementary labour increase
- net income unincorporated
- other operating surplus
- commodity indirect taxes
- subsidies
- other indirect taxes

Appendix F shows the accounting framework of the Canadian Input-Output tables and lists the aggregation parameters.

QUESTION C.2

Do you have software to manipulate your input-output table?

ANSWER

The table is stored on an time-shared IBM 370-168. Most input-output manipulations consist of the rational operations and matrix inversion. The input-output section of Statistics Canada has developed an efficient program for inverting extremely large matrices.

QUESTION C.3

Is the input-output table reconciled with the National Income and Product Accounts?

e.g., re basic industry definitions,
re row and column control totals, etc?

ANSWER

The input-output is consistent with National Accounts in the sense that the error is less than one-half of one per cent between the same components of the two.

However, some aspect of the reconciliation issue can be gathered from the following chart. (See page 16.)

The notable difference in the two sub-systems is in the estimation of surplus. In the Input-Output Accounts, the data are derived from establishment-based surveys, such as the annual Census of Manufacturers, and surplus is essentially calculated in the context of a balance between inputs and outputs. In the estimate of the components of surplus for Income and Expenditure Accounts, the data sources are surveys of companies, principally taxation statistics. The use of the different statistical reporting unit yields differences in industrial allocations.

On the expenditure side, there are some minor differences in the estimates of current government expenditure, exports and imports, inventories and personal expenditure. The differences in the estimates of current government expenditure and exports and imports are definitional. One example of a definitional difference is the treatment of research grants for defence

Comparison of Components of Gross Domestic Product

GROSS DOMESTIC PRODUCT Income and Expenditure Accounts (Consolidated Production Account. Primary expenses arising from Domestic Production)	GROSS DOMESTIC PRODUCT Input-Output Format
1. Wages, salaries, and supplementary labour income and military pay and allowances	Wages and salaries Supplementary labour income
2. Net income of non-farm unincorporated business	
3. Accrued net income of farm operators from farm production	Net income of unincorporated business
4. Profits and other investment income	Other operating surplus
5. Inventory valuation adjustments	
6. Capital consumption allowances and miscellaneous valuation adjustments -	
7. Indirect taxes	Commodity indirect taxes Other indirect taxes
8. Deduct subsidies	Deduct subsidies
9. Residual error of estimate	
Gross Domestic Product at Market Prices	Gross Domestic Product at Market Prices

which are treated as transfer payments in the Input-Output Accounts but as purchases of government services in the Income and Expenditure Accounts. In imports and exports, transfers of funds by trade unions, and sweepstakes are treated as transfers in Input-Output Accounts and as sales/purchases of goods and services in Income and Expenditure Accounts.

The valuation of physical change of inventories presents difficulty in both the Input-Output and the Income and Expenditure Accounts. There is a lack of data on the valuation practices as well as on the commodity content of inventories. The two sub-systems use different techniques for measuring value of physical change of inventories.

Consumer expenditure estimates in the Input-Output Accounts are principally derived through commodity balances whereas, in the Income and Expenditure Accounts, such estimates are made on the basis of retail trade surveys, surveys of service trades and other independent sources.

The Income and Expenditure Accounts show as a separate entry the residual error of estimate, a measure of the statistical discrepancy between the "income side" and the "expenditure side". In the Input-Output Tables, where each Industry and each Commodity Account must balance, there can be no such discrepancy.

QUESTION C.4

When did your input-output tables begin, and at what frequency?

ANSWER

Now available for 1961 to 1971 and soon to be available for 1972 to 1974. The quality of the Canadian input-output table is viewed with satisfaction by at least one major user, Dr. R. Preston of the Economic Council of Canada (formerly of the Wharton Econometric Group). Also Dr. W. Leontief made favourable comments regarding the table structure and methodology.

D. CHOICE OF BASE YEAR, QUESTIONS AND ANSWERS

QUESTION D.1

What is the last year for the full labour census?

ANSWER

1971.

QUESTION D.2

When was the last complete census of

- (a) manufacturing,
- (b) distribution?

ANSWERS

(a) 1975

(b) 1971 (retail trade, merchandising, wholesale and services). The annual census of manufacturing uses the establishment as the reporting unit, supplemented by tax records (T4). Retail trade, etc., census also has an establishment basis. The 1976 census is not yet prepared and the future of the census is in doubt since it may be decided to adopt sampling techniques.

QUESTION D.3

When was the last input-output table reported and when is the next one due to be published?

ANSWER

Input-Output table reported in 1977 for the years 1961 to 1971, next report due in 1978 for the years 1972 to 1974.

E. DEPRECIATION

Introduction

Data on depreciation are prepared by two groups at Statistics Canada using different methods. One set of data on depreciation is prepared by the Business Finance Division and has been published quarterly for 25 industries since 1961 (Stat. Can. Cat. No. 61-003). On an annual basis it is published for 50 industries (Stat. Can. Cat. No. 61-707) and unpublished data exist for 182 industries on an annual basis. The method used to calculate depreciation is basically the one adopted by the company and it has been conjectured that most firms use declining balance, although in fact all methods are used.

The total industrial corporation sector of the Canadian economy is covered including corporations engaged in mining, manufacturing, transportation, storage, utilities, trade, and services. Joint ventures and partnerships of participating corporations, and branches of foreign corporations operating in Canada are also included.

The construction industry is not included in these statistics as the available data from this survey have not reached an acceptable level of quality due to incomplete survey coverage, poor response, and problems in developing a measurement of quarterly profits that would be meaningful and conceptually consistent for all corporations.

Other exclusions are: (i) agricultural, forestry, fishing and trapping corporations; (ii) subsidiaries or branches of Canadian corporations operating outside Canada; (iii) most co-operatives; (iv) non-profit corporations; (v) personal corporations; (vi) all financial institutions, investment holding corporations, real estate developers, and construction corporations as noted above, and (vii) government business enterprises, including Crown Corporations, provincial and municipal government enterprises.

The above mentioned exclusions occurred for one of the following reasons: (i) not incorporated; (ii) not domestic data; (iii) belonging to the personal sector; (iv) no depreciation accounts; (v) family business - unincorporated; (vi) financial institutes are covered elsewhere (see below).

Within the defined universe, the sample survey includes all industrial corporations operating in Canada having net assets of over \$5 million together with a random sample of smaller corporations. Corporations having net assets of over \$5 million account for approximately 70 per cent of total assets and profits of the industrial sector, and in most cases the large corporations dominate the industrial groups to which they are classified. Exceptions to this rule are such industries as trade, services, textiles, wood products and other manufacturing. In these industries, smaller corporations are more important, and account for close to one-half of total assets and profits.

During recent years the tendency toward diversification of operations by many corporations intensified the problem of preparing homogeneous industrial statistics for consolidated data. The vertical and horizontal integration of many enterprises make it difficult to classify corporations to a single industry. For example, if during a representative number of years 49 per cent of a corporation's output is in construction and 51 per cent is in metal fabricating, the corporation will be classified to a manufacturing industry.

A high degree of consistency and continuity in the statistical time series is important to facilitate a meaningful trend analysis. Since multi-industry corporations are generally large, a change in their classification may significantly disrupt the time series in which they are included. Whenever possible, corporations of a significant size have been classified to the same industry for the period covered in this report. However, structural changes such as statutory amalgamations, corporate acquisitions and spin-offs which significantly change the nature of business of the reporting unit may require a reclassification to another industry.

The Industrial Classification is based on the concept of the establishment. (An establishment is defined as "the smallest unit which is a separate operating entity capable of reporting all elements of basic industrial statistics".) However, as both the enterprise and corporation are considered as basic reporting units in the survey the relationship to a classification system based on the establishment concept creates some difficulties. Accordingly, where corporations, or consolidations thereof consist of more than one establishment, the entire corporation or group of corporations, is classified to the single industry representing the largest portion of the corporation's production (output) in terms of value added.

Within the Business Finance Division is the Financial Institutions Section which publishes depreciation figures for approximately 12 financial industries (Stat. Can. Cat. No. 61-006). Another 12 sectors are done, but are not published. The method used is the straight line depreciation.

The Construction Division of Statistics Canada publishes data on an annual basis for 52 industries using the straight line method of depreciation (Stat. Can. Cat. No. 13-211). This is to reflect that, whereas wear and tear of capital is usually declining, technological change is increasing. In addition, this method avoids fluctuations in the depreciation figures caused by changes in tax laws concerning depreciation allowances. The industries concerned are given in the following table. (See page 22.)

Industries

1	Total manufacturing and non-manufacturing industries (excluding housing) – Ensemble des industries manufacturières et non-manufacturières (exclus domiciliaire).....
2	Total manufacturing industries – Ensemble des industries manufacturières.....
3	Food and beverage – Aliments et boissons
4	Tobacco products – Tabacs
5	Rubber – Caoutchouc
6	Leather – Cuir.....
7	Textile – Textiles
8	Knitting mills – Bonneterie
9	Clothing – Vêtements
10	Wood – Bois
11	Furniture and fixtures – Meubles et accessoires
12	Paper and allied industries – Papiers et industries connexes
13	Printing, publishing and allied industries – Impression, publication et industries connexes.....
14	Primary metals – Métaux primaires
15	Metal fabricating – Fabrications métalliques.....
16	Machinery – Machines
17	Transportation equipment – Matériel de transport.....
18	Electrical products – Appareils et fournitures électriques
19	Non-metallic mineral products – Produits des minéraux non métalliques
20	Petroleum and coal products – Dérivés du pétrole et du charbon
21	Chemical and chemical products – Produits chimiques
22	Miscellaneous manufacturing – Industries diverses
23	Total non-manufacturing industries (excluding housing) – Ensemble des industries non-manufacturières (exclus domiciliaire).....
24	Agriculture
25	Forestry – Activités forestières.....
26	Fishing – Pêche
27	Mining (including milling), quarries and oil wells – Mines (y compris le broyage), carrières et puits de pétrole.....
28	Construction
29	Air transport – Transport aérien
30	Railway transport – Transport par chemin de fer (compris réseaux télégraphe et cable)
31	Water transport – Transport par eau et services
32	Motor transport – Transport routier
33	Urban and suburban transport – Transport urbain
34	Pipelines – Oléoducs et gazoducs
35	Toll highways and bridges – Routes et ponts à péage
36	Grain elevators – Silos à céréales.....
37	Warehousing – Entreposage.....
38	Broadcasting – Radiodiffusion
39	Telephones (excluding telegraphs) – Services téléphoniques (exclus télégraphe).....
40	Electric, light, power and gas distribution – Énergie électrique et distribution du gaz
41	Water systems – Services de distribution d'eau
42	Trade – Commerce
43	Finance, insurance and real estate – Finances, assurances et immeubles
44	Schools – Écoles
45	Universities – Universités
46	Hospitals – Hôpitaux
47	Churches – Églises
48	Other institutions – Autres institutions
49	Commercial services – Services commerciaux
50	Federal government – Gouvernement fédéral
51	Provincial governments – Gouvernements provinciaux
52	Municipal governments – Gouvernements municipaux

E. DEPRECIATION QUESTIONS AND ANSWERS

QUESTION E.1

Do you have a capital flow matrix? If so, how detailed?

ANSWER

The capital flow matrix is a sub-structure of the input-output system, but having only a 40-industry detail data limitations prevent greater detail being achieved.

QUESTION E.2

Do you have figures for the total value of depreciation by industry?

ANSWER

Data prepared by the Business Finance Division has been published quarterly for 25 industries since 1961 (Stat. Can. Cat. No. 61-003). On an annual basis it is published for 50 industries (Stat. Can. Cat. No. 61-707). Unpublished data exist for 182 industries on an annual basis. In addition to this are data on 12 financial industries (Stat. Can. Cat. No. 61-006) plus 12 others which are not published. A further set of data for 52 industries is published by the Construction Division (Stat. Can. Cat. No. 13-211) covering industries not included in the Business Finance Division data base. (Please refer to the Introduction for a listing of the industries covered.)

F. DATA RECONCILIATION QUESTIONS AND ANSWERS

QUESTION F.1

Do you have any bridge tables to reconcile National Accounts Data to Input-Output Data? (See Table 3 of DSTI/ICCP/77.26, page 13.) How many transformations are needed in order to fully reconcile the respective data bases?

ANSWER

No bridge tables exist since the Input-Output Tables form a part of the System of National Accounts.

QUESTION F.2

How many data bases have to be converted from an establishment basis to an industry basis? Please specify.

ANSWER

Not applicable.

APPENDIX A

The OECD Questionnaire on Information Sector Accounts

ORGANISATION FOR ECONOMIC
CO-OPERATION AND DEVELOPMENT

Directorate for Science,
Technology and Industry

Working Party on Information,
Computers and Communications
Policy

DSTI/ICCP/77.40

Scale E

ECONOMIC ANALYSIS OF INFORMATION ACTIVITIES AND
THE ROLE OF ELECTRONICS, TELECOMMUNICATIONS AND
RELATED TECHNOLOGIES

Definitions and Data to build Information
Sector Accounts

QUESTIONNAIRE

1. As agreed by the Experts Group in the course of its meeting held on 30th June, 1977 (see DSTI/ICCP/77.39, paragraph 5) delegates will find attached the questionnaire which should be returned duly completed to the Secretariat by 20th October, 1977.
2. A sample inventory of occupations and goods to build primary and secondary information accounts will be found in the Annex.

DSTI/ICCP/77.40

I. INVENTORY OF DEFINITIONS

1. Define an "information worker"? Prepare a detailed list of occupations corresponding to your definition.
See H. Porat, "Information Economy", Volume I, pp.167-188 for one such definition and listing.
2. See H. Porat, Volume I, pp.48-58 for a definition of the "PRIMARY INFORMATION SECTOR" and its components.
In the light of this definition (or of any alternative you might wish to present) prepare a detailed list of the goods and services you would include within such a sector, and any you might consider to be ambiguous.
3. Consider the definition of the "SECONDARY INFORMATION SECTOR" and its components (wages of information workers and depreciation of information machines, in the non-information industries) presented by M. Porat in "Information Economy", Volume I, pp.231-255.
Suggest amendments you might make, if any, in attempting to extract the information component out of non-information industries (including government).

II. INVENTORY OF DATA

Please expand and/or qualify answers wherever appropriate

A. LABOUR CENSUS

1. How many "classes" of occupation are reported? (e.g. wages and salaried workers; self-employed and proprietors; unpaid family workers; government workers; armed forces, etc.). Please specify the classes.
2. How many occupational "types" are reported within each class?
3. What is the total length (and frequency) of time series of labour by occupational type?
4. Do you have (or are able to construct) an occupation by industry matrix? If so, how many occupations and how many industries?
5. Do you have a list of average wages and salaries:
- by each occupational type?
- by industry?
When did such a list begin?
6. Do you have total wages and salaries paid
- by each occupational type?

- 7. List the occupations for which you have time-budget studies.
- 8. Do you know the ratio of wages and salaries to total employee compensation?
 - by occupational type?
 - by industry?
- 9. Are the unemployed classified to their last occupation and/or industry?

B. NATIONAL INCOME ACCOUNTS

1. Final Demand Components

How detailed is the breakdown of:

- a) Personal consumption?
- b) Government purchases?
- c) Exports?
- d) Imports?

Particularly, as regards commodity type and industry. For (c) and (d) we are also interested in the country of destination and origin respectively.

2. Value Added

How detailed is the breakdown of:

- a) Compensation of employees?
 - b) Proprietors income?
 - c) Rents?
 - d) Profits?
 - e) Interest?
 - f) Depreciation?
 - g) Indirect business taxes?
- etc.

3. Time Series

When did the National Accounts begin, and at what frequency? How far back (and in what detail) can the components of 1 and 2 be traced?

Do you have price deflators by commodity or industry? At what level of detail and since which date?

C. INPUT-OUTPUT

1. How detailed is your input-output table:

- commodity rows and columns?)
- service " " " ?) i.e. order?
- government " " " ?)

- Final demand: how many components?) Please specify
- Value added: " " " ?) the components.

DSTI/ICCP/77.40

2. Do you have software to manipulate your input-output table?
3. Is the input-output table reconciled with the National Income and Product Accounts?
e.g. re basic industry definitions
re row and column control totals
etc.
4. When did your input-output tables begin, and at what frequency?

D. CHOICE OF BASE YEAR

1. What is the last year for the full labour census?
2. When was the last complete census of
a) manufacturing?
b) distribution?
3. When was the last input-output table reported and when is the next one due to be published?

E. DEPRECIATION

1. Do you have a capital-flow matrix? If so, how detailed?
2. Do you have figures for the total value of depreciation by industry?

F. DATA RECONCILIATION

1. Do you have any bridge tables to reconcile National Accounts Data to Input-Output Data? (See Table 3 of DSTI/ICCP/77.26, page 13.) How many transformations are needed in order to fully reconcile the respective data bases?
2. How many data bases have to be converted from an establishment basis to an industry basis? Please specify.

APPENDIX B

LABOUR STATISTICS: DEFINITION AND CLASSIFICATION

OCCUPATION:

Refers to the specific kind of work the person did on the job, as determined by the reporting of the kind of work, the description of the most important duties and the job title. Data relate to the respondent's job in the week or to the job of longest duration since January 1, 1970 if not employed in that week. Persons with two or more jobs during the reference week were asked to give the information for the one at which they worked the most hours.

OCCUPATIONAL CLASSIFICATION

A classification system based on the Canadian Classification and Dictionary of Occupations was used in the 1971 Census. In this system occupations are classified in Unit groups which have a "desirable degree of homogeneity with respect to kind of work performed". Although work performed may be influenced by a particular industrial process, the classification of individuals by their kind of work is theoretically independent of the nature of business of the establishment in which it is carried on. In most cases, self-employed individuals are classified in the same unit group as employees doing similar work.

For further information on the classification, including definitions of the individual unit groups, see "Occupational Classification Manual, Census of Canada, 1971", Volume 1, Catalogue No. 12-536.

INDUSTRY

The industry classes are based on the general nature of the business carried out in the establishment where the respondent was employed, as indicated by the reporting of the name of the employer (or by the business' name if self-employed), and the kind of business, industry or service engaged in by

this establishment. If not employed in the week prior to enumeration, the information was to relate to the respondent's job of longest duration since January 1, 1970. Persons with two or more jobs were to report the information for the job at which they worked the most hours.

"Industry" is not to be confused with "occupation", which refers to the kind of work the person was doing, as determined by the reporting of the kind of work, the description of the most important duties and the job title.

INDUSTRIAL CLASSIFICATION

Statistics Canada's Standard Industrial Classification (SIC) Manual was used as the basis for classifying information obtained by the industry inquiry. In the population census, a special class 005 was used for "Farms". Class 715 (Canadian Offices of Canadian-incorporated Companies Classified as Non-Canadian) was combined with Class 707 (Investment and Holding Companies). Class 999 (Canadian-incorporated Companies classified as Non-Canadian) was not used. The introduction to the SIC Manual explains the nature and basis of the classification and gives other information on the classification system.

It should be noted that in this classification system, Government owned and operated establishments primarily engaged in activities assigned to other industries, such as transportation, communication (including post office) liquor sales, health and educational services, were classified to those industries rather than to Public Administration. The Public Administration and Defence Division covers establishments primarily engaged in activities that are basically governmental in character, such as the enactment of legislation, the administration of justice, the collection of revenue and defence.

Where possible, the categorization into the 3-digit SIC classes in the census was performed through the use of a pre-coded list of establishments to ensure uniformity with the classification of establishments by other Statistics Canada surveys.

This procedure, however, entails problems, especially in industries dominated by multi-establishment firms and in particular firms which have more than one establishment at the same geographic location. Consequently, there are some errors in the detailed industry data and some industry classes in manufacturing have been combined.

Users of data involving the SIC code have noted that some interesting activities, arising from the introduction of new technology, tend more and more to appear under the miscellaneous category. The growing obsolescence of the industrial code calls for revisions in the code and, in fact, major industrial classification changes are currently being made to be ready for the 1981 census.

COMPARABILITY WITH EARLIER CENSUS

Due mainly to differences in definition and revision of the occupational classifications, the figures published for 1971 are not directly comparable to similar statistics of earlier census.

The occupations and industries into which the census data are detailed are given in Appendix B, appearing as Appendices A and B in Stat. Can. Cat. No. 97-792(SE-1).

APPENDIX C

List of Industry Codes and Titles

List of Industry Codes and Titles

Liste des codes et des titres d'activité économique

Industry	Activité économique
Division 1 (001-021) -- Agriculture	Division 1 (001-021) -- Agriculture
Major Group 1 (001-019) Farms	Groupe 1 (001-019) Fermes
Major Group 2 (021) Services incidental to agriculture	Groupe 2 (021) Services agricoles
Division 2 (031-039) -- Forestry	Division 2 (031-039) -- Forêts
Major Group 1 (031) Logging	Groupe 1 (031) Exploitation forestière
Major Group 2 (039) Forestry services	Groupe 2 (039) Services forestiers
Division 3 (041-047) -- Fishing and trapping	Division 3 (041-047) -- Chasse et pêche
Major Group 1 (041) Fishing	Groupe 1 (041) Pêche
Major Group 2 (045) Fishery services	Groupe 2 (045) Services de pêche
Major Group 3 (047) Hunting and trapping	Groupe 3 (047) Chasse et piégeage
Division 4 (051-099) -- Mines (including milling), quarries and oil wells	Division 4 (051-099) -- Mines (y compris broyage), carrières et puits de pétrole
Major Group 1 (051-059) Metal mines	Groupe 1 (051-059) Mines métalliques
051 Placer gold mines	051 Placers d'or
052 Gold quartz mines	052 Mines de quartz aurifère
057 Uranium mines	057 Mines d'uranium
058 Iron mines	058 Mines de fer
059 Miscellaneous metal mines	059 Mines métalliques diverses
Major Group 2 (061-064) Mineral fuels	Groupe 2 (061-064) Combustibles minéraux
061 Coal mines	061 Mines de charbon
064 Crude petroleum and natural gas industry	064 Industrie du pétrole brut et du gaz naturel
Major Group 3 (071-079) Non-metal mines (except coal mines)	Groupe 3 (071-079) Mines non métalliques (sauf mines de charbon)
071 Asbestos mines	071 Mines d'amiante
072 Peat extraction	072 Tourbières
073 Gypsum mines	073 Mines de gypse
079 Miscellaneous non-metal mines	079 Mines non métalliques diverses
Major Group 4 (083-087) Quarries and sand pits	Groupe 4 (083-087) Carrières et sablières
083 Stone quarries	083 Carrières
087 Sand pits or quarries	087 Sablières et gravières
Major Group 5 (096-099) Services incidental to mining	Groupe 5 (096-099) Services miniers
096 Contract drilling for petroleum	096 Forage de puits de pétrole à forfait
098 Other contract drilling	098 Autre forage à forfait
099 Miscellaneous services incidental to mining	099 Services miniers divers
Division 5 (101-399) -- Manufacturing industries	Division 5 (101-399) -- Industries manufacturières
Major Group 1 (101-109) Food and beverage industries	Groupe 1 (101-109) Industries des aliments et boissons
101 Meat and poultry products industries	101 Industries de la viande et de la volaille
102 Fish products industry	102 Industrie de la transformation du poisson
103 Fruit and vegetable processing industries	103 Préparation de fruits et de légumes
104 Dairy products industry	104 Industrie laitière
105 Flour and breakfast cereal products industry	105 Meunerie et fabrication de céréales de table

List of Industry Codes and Titles - Continued

Liste des codes et des titres d'activité économique - suite

Industry	Activité économique
Division 5 (101-399) -- Manufacturing industries - Continued	Division 5 (101-399) - Industries manufacturières - suite
Major Group 1 (101-109) Food and beverage industries - Concluded	Groupe 1 (101-109) Industries des aliments et boissons - fin
106 Feed industry 107 Bakery products industries 108 Miscellaneous food industries 109 Beverage industries	106 Fabrication d'aliments pour les animaux 107 Boulangerie et pâtisserie (fabrication) 108 Industries alimentaires diverses 109 Industrie des boissons
Major Group 2 (151-153) Tobacco products industries	Groupe 2 (151-153) Industrie du tabac
151 Leaf tobacco processors 153 Tobacco products manufacturers	151 Traitement du tabac en feuilles 153 Fabricants de produits du tabac
Major Group 3 (162-165) Rubber and plastics products industries	Groupe 3 (162-165) Industrie du caoutchouc et des produits en matière plastique
162 Rubber products industries 165 Plastics fabricating industry, n.e.s.	162 Industrie des produits en caoutchouc 165 Fabrication d'articles en matière plastique, n.c.a.
Major Group 4 (172-179) Leather industries	Groupe 4 (172-179) Industrie du cuir
172 Leather tanneries 174 Shoe factories 175 Leather glove factories 179 Luggage, handbag and small leather goods manufacturers	172 Tanneries 174 Fabriques de chaussures 175 Fabriques de gants en cuir 179 Fabricants de valises, sacs à main et menus articles en cuir
Major Group 5 (181-189) Textile industries	Groupe 5 (181-189) Industrie textile
181 Cotton yarn and cloth mills 182 Wool yarn and cloth mills 183 Man-made fibre, yarn and cloth mills	181 Filature et tissage du coton 182 Filature et tissage de la laine 183 Fabrication de fibres, filés et tissus artificiels et synthétiques
184 Cordage and twine industry 185 Felt and fibre processing mills 186 Carpet, mat and rug industry 187 Canvas products, and cotton and jute bags industries	184 Corderie et ficellerie (fabrication) 185 Industrie du feutre et du traitement des fibres 186 Industrie des tapis, des carpettes et de la moquette 187 Industrie des articles en grosse toile et des sacs de coton et de jute
188 Automobile fabric accessories industry 189 Miscellaneous textile industries	188 Industrie des accessoires en tissu pour l'automobile 189 Industries textiles diverses
Major Group 6 (231-239) Knitting mills	Groupe 6 (231-239) Bonneterie
231 Hosiery mills 239 Knitting mills (except hosiery mills)	231 Industrie des bas et chaussettes 239 Bonneterie (sauf fabrication de bas et chaussettes)
Major Group 7 (243-249) Clothing industries	Groupe 7 (243-249) Industrie de l'habillement
243 Men's clothing industries 244 Women's clothing industries 245 Children's clothing industry 246 Fur goods industry 248 Foundation garment industry 249 Miscellaneous clothing industries	243 Industrie des vêtements pour hommes 244 Industrie des vêtements pour dames 245 Industrie des vêtements pour enfants 246 Industrie des articles en fourrure 248 Industrie des corsets et soutiens-gorge 249 Industries diverses de l'habillement
Major Group 8 (251-259) Wood industries	Groupe 8 (251-259) Industrie du bois
251 Sawmills, planing mills and shingle mills 252 Veneer and plywood mills 254 Sash, door and other millwork plants 256 Wooden box factories 258 Coffin and casket industry 259 Miscellaneous wood industries	251 Scieries, ateliers de rabotage et usines de bardeaux 252 Fabriques de placages et de contre-plaqués 254 Industrie des portes, châssis et autres bois ouvrés 256 Fabriques de boîtes en bois 258 Industrie des cercueils 259 Industries diverses du bois

List of Industry Codes and Titles - Continued

Liste des codes et des titres d'activité économique - suite

Industry	Activité économique
Division 5 (101-399) - Manufacturing industries - Continued	Division 5 (101-399) - Industries manufacturières - suite
Major Group 9 (261-268) Furniture and fixture industries 261 Household furniture manufacturers 264 Office furniture manufacturers 266 Miscellaneous furniture and fixtures manufacturers 268 Electric lamp and shade manufacturers	Groupe 9 (261-268) Industrie du meuble et des articles d'ameublement 261 Industrie des meubles de maison 264 Industrie des meubles de bureau 266 Industrie des articles d'ameublement divers 268 Industrie des lampes électriques et des abat-jour
Major Group 10 (271-274) Paper and allied industries 271 Pulp and paper mills 272 Asphalt roofing manufacturers 273 Paper box and bag manufacturers 274 Miscellaneous paper converters	Groupe 10 (271-274) Industrie du papier et activités annexes 271 Usines de pâtes et papiers 272 Fabricants de papier de couverture asphalté 273 Fabricants de boîtes en carton et de sacs en papier 274 Transformations diverses du papier.
Major Group 11 (286-289) Printing, publishing and allied industries 286 Commercial printing 287 Platemaking, typesetting and trade bindery industry 288 Publishing only 289 Publishing and printing	Groupe 11 (286-289) Imprimerie, édition et activités annexes 286 Imprimerie commerciale 287 Industrie du clichage, de la composition et de la reliure commerciale 288 Édition seulement 289 Édition et impression
Major Group 12 (291-298) Primary metal industries 291 Iron and steel mills 292 Steel pipe and tube mills 294 Iron foundries 295+296 Smelting and refining and aluminum rolling(1) 297 Copper and copper alloy rolling, casting and extruding 298 Metal rolling, casting and extruding, n.e.s.	Groupe 12 (291-298) Première transformation des métaux 291 Sidérurgie 292 Fabrications de tubes et tuyaux d'acier 294 Fonderies de fer 295+296 Fonte et affinage et laminage de l'aluminium(1) 297 Laminage, moulage et extrusion du cuivre et de ses alliages 298 Laminage, moulage et extrusion des métaux, n.c.a.
Major Group 13 (301-309) Metal fabricating industries (except machinery and transportation equipment industries) 301 Boiler and plate works 302 Fabricated structural metal industry 303 Ornamental and architectural metal industry 304 Metal stamping, pressing and coating industry 305 Wire and wire products manufacturers 306 Hardware, tool and cutlery manufacturers 307 Heating equipment manufacturers 308 Machine shops 309 Miscellaneous metal fabricating industries	Groupe 13 (301-309) Fabrication de produits en métal (sauf machines et équipement de transport) 301 Industrie des chaudières et des plaques 302 Fabrication d'éléments de charpente métallique 303 Industrie des produits métalliques d'architecture et d'ornement 304 Industrie de l'emboutissage, du matriçage et du revêtement des métaux 305 Industrie du fil métallique et de ses produits 306 Fabricants de quincaillerie, d'outillage et de coutellerie 307 Fabricants d'appareils de chauffage 308 Ateliers d'usinage 309 Fabrication de produits métalliques divers
Major Group 14 (311-318) Machinery industries (except electrical machinery) 311 Agricultural implement industry 315 Miscellaneous machinery and equipment manufacturers 316 Commercial refrigeration and air conditioning equipment manufacturers 318 Office and store machinery manufacturers.	Groupe 14 (311-318) Fabrication de machines (sauf électriques) 311 Fabricants d'instruments aratoires 315 Fabricants de machines et d'équipement divers 316 Fabricants d'équipement commercial de réfrigération et de climatisation 318 Fabricants de machines pour le bureau et le commerce

See footnote(s) at end of Appendix A.

Voir renvoi(s) à la fin de l'appendice A.

List of Industry Codes and Titles - Continued

Liste des codes et des titres d'activité économique - suite

Industry	Activité économique
Division 5 (101-399) - Manufacturing industries - Concluded	Division 5 (101-399) - Industries manufacturières - fin
Major Group 15 (321-329) Transportation equipment industries	Groupe 15 (321-329) Fabrication d'équipement de transport
321 Aircraft and aircraft parts manufacturers 324 Truck body and trailer manufacturers 323+325 Motor vehicle and parts manufacturers(2) 326 Railroad rolling stock industry 327 Shipbuilding and repair 328 Boatbuilding and repair 329 Miscellaneous vehicle manufacturers	321 Fabricants d'aéronefs et de pièces 324 Fabricants de carrosseries de camions et remorques 323+325 Fabricants de véhicules et d'accessoires d'automobiles(2) 326 Fabricants de matériel ferroviaire roulant 327 Construction et réparation de navires 328 Construction et réparation d'embarcations 329 Fabricants de véhicules divers
Major Group 16 (331-339) Electrical products industries	Groupe 16 (331-339) Fabrication de produits électriques
331 Manufacturers of small electrical appliances 332 Manufacturers of major appliances (electric and non-electric) 333 Manufacturers of lighting fixtures 334 Manufacturers of household radio and television receivers 335 Communications equipment manufacturers 336 Manufacturers of electrical industrial equipment 338 Manufacturers of electric wire and cable 339 Manufacturers of miscellaneous electrical products	331 Fabricants de petits appareils électriques 332 Fabricants de gros appareils (électriques ou non) 333 Fabricants d'appareils d'éclairage 334 Fabricants de radiorécepteurs et de téléviseurs ménagers 335 Fabricants d'équipement de télécommunication 336 Fabricants d'équipement électrique industriel 338 Fabricants de fils et de câbles électriques 339 Fabricants de produits électriques divers
Major Group 17 (351-359) Non-metallic mineral products industries	Groupe 17 (351-359) Fabrication de produits minéraux non métalliques
351 Clay products manufacturers 352 Cement manufacturers 353 Stone products manufacturers 354 Concrete products manufacturers 355 Ready-mix concrete manufacturers 356 Glass and glass products manufacturers 357 Abrasives manufacturers 358 Lime manufacturers 359 Miscellaneous non-metallic mineral products industries	351 Fabricants de produits en argile 352 Fabricants de ciment 353 Fabricants de produits en pierre 354 Fabricants de produits en béton 355 Fabricants de béton préparé 356 Fabricants de verre et d'articles en verre 357 Fabricants d'abrasifs 358 Fabricants de chaux 359 Industrie des produits minéraux non métalliques divers
Major Group 18 (365-369) Petroleum and coal products industries	Groupe 18 (365-369) Fabrication de produits du pétrole et du charbon
365 Petroleum refineries 369 Miscellaneous petroleum and coal products industries	365 Raffineries de pétrole 369 Fabricants de dérivés divers du pétrole et du charbon
Major Group 19 (372-379) Chemical and chemical products industries	Groupe 19 (372-379) Industrie chimique.
372 Manufacturers of mixed fertilizers 373 Manufacturers of plastics and synthetic resins 374 Manufacturers of pharmaceuticals and medicines 375 Paint and varnish manufacturers 376 Manufacturers of soap and cleaning compounds 377 Manufacturers of toilet preparations 378 Manufacturers of industrial chemicals 379 Miscellaneous chemical industries	372 Fabricants d'engrais composés 373 Fabricants de matières plastiques et de résines synthétiques 374 Fabricants de produits pharmaceutiques et de médicaments 375 Fabricants de peintures et vernis 376 Fabricants de savon et de produits de nettoyage 377 Fabricants de produits de toilette 378 Fabricants de produits chimiques industriels 379 Fabricants de produits chimiques divers
Major Group 20 (391-399) Miscellaneous manufacturing industries	Groupe 20 (391-399) Industries manufacturières diverses
391 Scientific and professional equipment industries 392 Jewellery and silverware industry 393 Sporting goods and toy industries 397 Signs and displays industry 399 Miscellaneous manufacturing industries, n.e.s.	391 Fabrication de matériel scientifique et professionnel 392 Fabrication de bijouterie et d'orfèvrerie 393 Fabrication d'articles de sport et de jouets 397 Fabrication d'enseignes et d'étalages 399 Industries manufacturières diverses, n.c.a.

List of Industry Codes and Titles - Continued

Liste des codes et des titres d'activité économique - suite

Industry	Activité économique
Division 6 (404-421) - Construction industry	Division 6 (404-421) - Bâtiment et travaux publics
Major Group 1 (404-409) General contractors	Groupe 1 (404-409) Entrepreneurs généraux
404 Building construction 406 Highway, bridge and street construction 409 Other construction	404 Bâtiment 406 Construction de ponts et de voies publiques 409 Autres travaux de construction
Major Group 2 (421) Special-trade contractors	Groupe 2 (421) Entrepreneurs spécialisés
Division 7 (501-579) - Transportation, communication and other utilities	Division 7 (501-579) - Transports, communications et autres services publics
Major Group 1 (501-519) Transportation	Groupe 1 (501-519) Transports
501 Air transport 502 Services incidental to air transport 503 Railway transport 504 Water transport 505 Services incidental to water transport 506 Moving and storage, used goods, uncrated 507 Other truck transport 508 Bus transport, interurban and rural 509 Urban transit systems 512 Taxicab operations 513 Pipeline transport 516 Highway and bridge maintenance 517 Miscellaneous services incidental to transport 519 Other transportation	501 Transports aériens 502 Services auxiliaires des transports aériens 503 Transports ferroviaires 504 Transports par eau 505 Services auxiliaires des transports par eau 506 Déménagement et entreposage de biens usagés 507 Autre camionnage 508 Transports interurbains et ruraux par autocar 509 Réseaux de transports urbains 512 Exploitation de taxis 515 Transports par pipe-line 516 Entretien de routes et de ponts 517 Services divers auxiliaires des transports 519 Autres transports
Major Group 2 (524-527) Storage	Groupe 2 (524-527) Entreposage
524 Grain elevators 527 Other storage and warehousing	524 Silos à grain 527 Autres entrepôts
Major Group 3 (543-548) Communication	Groupe 3 (543-548) Communications
543 Radio and television broadcasting 544 Telephone systems 545 Telegraph and cable systems 548 Post Office	543 Radiodiffusion et télévision 544 Réseaux de téléphonie 545 Réseaux de télégraphie et de câbles 548 Postes
Major Group 4 (572-579) Electric power, gas and water utilities	Groupe 4 (572-579) Énergie électrique, gaz et eau
572 Electric power 574 Gas distribution 576 Water systems 579 Other utilities	572 Énergie électrique 574 Distribution de gaz 576 Distribution d'eau 579 Autres services d'utilité publique
Division 8 (602-699) - Trade	Division 8 (602-699) - Commerce
Major Group 1 (602-629) Wholesale trade	Groupe 1 (602-629) Commerce de gros
602 Farm products 606 Coal and coke 608 Petroleum products 611 Paper and paper products 612 General merchandise 614 Food 615 Tobacco products 616 Drugs and toilet preparations 617 Apparel and dry goods 618 Household furniture and furnishings 619 Motor vehicles and accessories 621 Electrical machinery, equipment and supplies 622 Farm machinery and equipment 623 Machinery and equipment, n.e.s. 624 Hardware, plumbing and heating equipment	602 Produits agricoles 606 Charbon et coke 608 Produits pétroliers 611 Papier et articles en papier 612 Marchandises diverses 614 Alimentation 615 Produits du tabac 616 Médicaments et produits de toilette 617 Habillement et mercerie 618 Meubles de maison et accessoires d'ameublement 619 Véhicules automobiles et accessoires 621 Machines, matériel et fournitures électriques 622 Machines et matériel agricoles 623 Machines et matériel, n.c.a. 624 Quincaillerie, plomberie et matériel de chauffage

List of Industry Codes and Titles - Continued

Liste des codes et des titres d'activité économique - suite

Industry	Activité économique
Division 8 (602-699) - Trade - Concluded	Division 8 (602-699) - Commerce - fin
Major Group 1 (602-629) Wholesale trade - Concluded	Groupe 1 (602-629) Commerce de gros - fin
<ul style="list-style-type: none"> 625 Metal and metal products, n.e.s. 626 Lumber and building materials 627 Scrap and waste materials 629 Wholesalers, n.e.s. 	<ul style="list-style-type: none"> 625 Métaux et produits métalliques, n.c.a. 626 Sciages et matériaux de construction 627 Déchets et matériaux de récupération 629 Grossistes, n.c.a.
Major Group 2 (631-699) Retail trade	Groupe 2 (631-699) Commerce de détail
<ul style="list-style-type: none"> 631 Food stores 642 General merchandise stores 652 Tire, battery and accessories stores 654 Gasoline service stations 656 Motor vehicle dealers 658 Motor vehicle repair shops 663 Shoe stores 665 Men's clothing stores 667 Women's clothing stores 669 Clothing and dry goods stores, n.e.s. 673 Hardware stores 676 Household furniture and appliance stores 678 Radio, television and electrical appliance repair shops 681 Drug stores 691 Book and stationery stores 692 Florists' shops 694 Jewellery stores 695 Watch and jewellery repair shops 696 Liquor, wine and beer stores 697 Tobacconists 699 Retail stores, n.e.s. 	<ul style="list-style-type: none"> 631 Magasins d'alimentation 642 Magasins de marchandises diverses 652 Détaillants en pneus, accumulateurs et accessoires 654 Stations-service et postes d'essence 656 Détaillants en véhicules automobiles 658 Ateliers de réparation de véhicules automobiles 663 Magasins de chaussures 665 Magasins de vêtements pour hommes 667 Magasins de vêtements pour dames 669 Magasins de vêtements et de mercerie, n.c.a. 673 Quincailleries 676 Magasins de meubles et d'appareils ménagers 678 Ateliers de réparation de radios, de téléviseurs et d'appareils électriques 681 Pharmacies 691 Librairies et papeteries 692 Fleuristes 694 Bijouteries 695 Ateliers de réparation de montres et de bijoux 696 Magasins de vente de spiritueux, de vin et de bière 697 Débîts de tabac 699 Détaillants, n.c.a.
Division 9 (701-737) - Finance, insurance and real estate	Division 9 (701-737) - Finances, assurances et affaires immobilières
Major Group 1 (701-707) Finance industries	Groupe 1 (701-707) Institutions financières
<ul style="list-style-type: none"> 701 Banks and other deposit accepting establishments 703 Other credit agencies 705 Security brokers and dealers (including exchanges) 707 Investment and holding companies 	<ul style="list-style-type: none"> 701 Banques et autres établissements de dépôts 703 Autres organismes de crédit 705 Agents de change et courtiers en valeurs mobilières (comprend la Bourse) 707 Sociétés d'investissement et sociétés à portefeuille
Major Group 2 (721) Insurance carriers	Groupe 2 (721) Assureurs
Major Group 3 (735-737) Insurance agencies and real estate industry	Groupe 3 (735-737) Agences d'assurances et affaires immobilières
<ul style="list-style-type: none"> 735 Insurance and real estate agencies 737 Real estate operators 	<ul style="list-style-type: none"> 735 Agents d'assurances et agents immobiliers 737 Exploitants immobiliers
Division 10 (801-899) - Community, business and personal service industries	Division 10 (801-899) - Services socio-culturels, commerciaux et personnels
Major Group 1 (801-809) Education and related services	Groupe 1 (801-809) Enseignement et services annexes
<ul style="list-style-type: none"> 801 Kindergartens and nursery schools 802 Elementary and secondary schools 803 Schools of art and of the performing arts 804 Vocational centres, trade schools and business colleges 	<ul style="list-style-type: none"> 801 Jardins d'enfants et écoles maternelles 802 Écoles primaires et secondaires 803 Écoles des beaux-arts 804 Centres de formation professionnelle, écoles de métiers et collèges commerciaux

List of Industry Codes and Titles - Continued

Liste des codes et des titres d'activité économique - suite

Industry	Activité économique
Division 10 (801-899) - Community, business and personal service industries - Continued	Division 10 (801-899) - Services socio-culturels, commerciaux et personnels - suite
Major Group 1 (801-809) Education and related services - Concluded	Groupe 1 (801-809) Enseignement et services annexes - fin
805 Post-secondary non-university educational institutions 806 Universities and colleges 807 Libraries, museums and other repositories 809 Education and related services, n.e.s.	805 Établissements d'enseignement postsecondaire non universitaire 806 Universités et collèges 807 Bibliothèques et musées 809 Enseignement et services annexes, n.c.a.
Major Group 2 (821-828) Health and welfare services	Groupe 2 (821-828) Services médicaux et sociaux
821 Hospitals 822 Related health care institutions 823 Offices of physicians and surgeons 824 Offices of para-medical personnel (practitioners) 825 Offices of dentists 826 Diagnostic and therapeutic services, n.e.s. 827 Miscellaneous health services 828 Welfare organizations	821 Hôpitaux 822 Établissements annexes de soins sanitaires 823 Cabinets de médecin et de chirurgien 824 Cabinets de praticiens paramédicaux 825 Cabinets de dentiste 826 Services de diagnostic et de soins, n.c.a. 827 Services de santé divers 828 Organismes de bien-être
Major Group 3 (831) Religious organizations	Groupe 3 (831) Organisations culturelles
Major Group 4 (841-849) Amusement and recreation services	Groupe 4 (841-849) Divertissements et loisirs
841 Motion picture theatres 842 Motion picture production and distribution 843 Bowling alleys and billiard parlours 844 Golf clubs and country clubs 845 Theatrical and other staged entertainment services 849 Miscellaneous amusement and recreation services	841 Cinémas 842 Production et distribution de films 843 Salles de quilles et de billard 844 Clubs de golf et "country clubs" 845 Services de théâtre et autres spectacles 849 Services divers de divertissements et de loisirs
Major Group 5 (851-869) Services to business management	Groupe 5 (851-869) Services fournis aux entreprises
851 Employment agencies and personnel suppliers 853 Computer services 855 Security and investigation services 861 Offices of accountants 862 Advertising services 863 Offices of architects 864 Engineering and scientific services 866 Offices of lawyers and notaries 867 Offices of management and business consultants 869 Miscellaneous services to business management	851 Bureaux de placement et services de location de personnel 853 Services d'informatique 855 Services de sécurité et d'enquêtes 861 Bureaux de comptabilité 862 Services de publicité 863 Bureaux d'architecte 864 Bureaux d'études et services scientifiques 866 Études d'avocat et de notaire 867 Bureaux de conseil en gestion et en organisation 869 Services divers fournis aux entreprises
Major Group 6 (871-879) Personal services	Groupe 6 (871-879) Services personnels
871 Shoe repair shops 872 Barber and beauty shops 873 Private households 874 Laundries, cleaners and pressers (except self-service) 876 Self-service laundries and dry cleaners 877 Funeral services 879 Miscellaneous personal services	871 Cordonneries 872 Salons de coiffure pour hommes et pour dames 873 Ménages 874 Blanchisseries et établissements de nettoyage à sec et de pressage (sauf en libre-service) 876 Libre-service de blanchissage et de nettoyage à sec 877 Pompes funèbres 879 Services personnels divers
Major Group 7 (881-886) Accommodation and food services	Groupe 7 (881-886) Hébergement et restauration
881 Hotels and motels 883 Lodging-houses and residential clubs 884 Camping grounds and trailer parks 886 Restaurants, caterers and taverns	881 Hôtels et motels 883 Pensions de famille et hôtels privés 884 Terrains de camping et parcs à roulettes 886 Restaurants, traiteurs et tavernes

List of Industry Codes and Titles - Concluded

Liste des codes et des titres d'activité économique - fin

Industry	Activité économique
<p>Division 10 (801-899) - Community, business and personal service industries - Concluded</p> <p>Major Group 8 (891-899) Miscellaneous services</p> <p>891 Labour organizations and trade associations 893 Photographic services, n.e.s. 894 Automobile and truck rental 895 Machinery and equipment rental 896 Blacksmithing and welding shops 897 Miscellaneous repair shops 898 Services to buildings and dwellings 899 Miscellaneous services, n.e.s.</p>	<p>Division 10 (801-899) - Services socio-culturels, commerciaux et personnels - fin</p> <p>Groupe 8 (891-899) Services divers</p> <p>891 Syndicats ouvriers et associations professionnelles 893 Photographie, n.c.a. 894 Location d'automobiles et de camions 895 Location de machines et de matériel 896 Maréchalerie et soudure 897 Ateliers de réparations diverses 898 Entretien de bâtiments et d'habitations 899 Services divers, n.c.a.</p>
<p>Division 11 (902-991) - Public administration and defence</p> <p>Major Group 1 (902-909) Federal administration</p> <p>902 Defence services 909 Other federal administration</p> <p>Major Group 2 (931) Provincial administration</p> <p>Major Group 3 (951) Local administration</p> <p>Major Group 4 (991) Other government offices</p>	<p>Division 11 (902-991) - Administration publique et défense</p> <p>Groupe 1 (902-909) Administration fédérale</p> <p>902 Défense nationale 909 Autres services fédéraux</p> <p>Groupe 2 (931) Administration provinciale</p> <p>Groupe 3 (951) Administration locale</p> <p>Groupe 4 (991) Bureaux de gouvernements étrangers</p>
<p>Division 12 (000) - Industry unspecified or undefined</p> <p>(1) Includes two industry classes: (1) smelting and refining and (2) aluminum rolling, casting and extruding.</p> <p>(2) Includes motor vehicle manufacturers and motor vehicle parts and accessories manufacturers.</p> <p>n.c.s. = not elsewhere specified.</p>	<p>Division 12 (000) - Activités indéterminées et imprécises</p> <p>(1) Y compris les deux activités économiques suivantes: (1) fonte et affinage et (2) laminage, moulage et extrusion de l'aluminium.</p> <p>(2) Y compris fabricants de véhicules automobiles et fabricants de pièces et accessoires d'automobiles.</p> <p>n.c.a. = non classés ailleurs.</p>

APPENDIX D

List of Occupation Codes and Titles

List of Occupation Codes and Titles

Liste des codes et des titres de profession

All occupations	Toutes les professions
<p>Major group 11 - Managerial, administrative and related occupations</p> <p>111 Officials and administrators unique to government</p> <p>1111 Members of legislative bodies</p> <p>1113 Government administrators</p> <p>1115 Postmasters</p> <p>1116 Inspectors and regulatory officers, government</p> <p>1119 Officials and administrators unique to government, n.e.c.</p> <p>113/114 Other managers and administrators</p> <p>1130 General managers and other senior officials</p> <p>1131 Management occupations, natural sciences and engineering</p> <p>1132 Management occupations, social sciences and related fields</p> <p>1133 Administrators in teaching and related fields</p> <p>1134 Administrators in medicine and health</p> <p>1135 Financial management occupations</p> <p>1136 Personnel and industrial relations management occupations</p> <p>1137 Sales and advertising management occupations</p> <p>1141 Purchasing management occupations</p> <p>1142 Services management occupations</p> <p>1143 Production management occupations</p> <p>1145 Management occupations, construction operations</p> <p>1147 Management occupations, transport and communications operations</p> <p>1149 (1151-1158) Other managers and administrators, n.e.c. (in the following industries):</p> <p>1151 Mines (including milling), quarries and oil wells</p> <p>1152 Durable goods manufacturing(1)</p> <p>1153 Non-durable goods manufacturing(2)</p> <p>1154 Construction</p> <p>1155 Transportation, communication and other utilities</p> <p>1156 Trade</p> <p>1157 Community, business and personal service industries</p> <p>1158 Other industries and unspecified(3)</p> <p>117 Occupations related to management and administration</p> <p>1171 Accountants, auditors and other financial officers</p> <p>1174 Personnel and related officers</p> <p>1175 Purchasing officers and buyers, except wholesale and retail trade</p> <p>1176 Inspectors and regulatory officers, non-government</p> <p>1179 Occupations related to management and administration, n.e.c.</p>	<p>Grand groupe 11 - Direction, administration et professions connexes</p> <p>111 Fonctionnaires et administrateurs (administration publique)</p> <p>1111 Membres des corps législatifs</p> <p>1113 Administrateurs gouvernementaux</p> <p>1115 Chefs de bureau de poste</p> <p>1116 Inspecteurs du gouvernement et fonctionnaires chargés de l'application des règlements</p> <p>1119 Fonctionnaires et administrateurs (administration publique), n.c.a.</p> <p>113/114 Autres directeurs et administrateurs</p> <p>1130 Directeurs généraux et cadres supérieurs</p> <p>1131 Directeurs dans le domaine des sciences naturelles et du génie</p> <p>1132 Directeurs dans le domaine des sciences sociales et secteurs connexes</p> <p>1133 Administrateurs dans le domaine de l'enseignement et secteurs connexes</p> <p>1134 Administrateurs dans le domaine de la médecine et de la santé</p> <p>1135 Directeurs financiers</p> <p>1136 Directeurs du personnel et des relations de travail</p> <p>1137 Directeurs des ventes et de la publicité</p> <p>1141 Directeurs des achats</p> <p>1142 Directeurs des services</p> <p>1143 Directeurs de la production</p> <p>1145 Directeurs des travaux de construction</p> <p>1147 Directeurs d'exploitation (transports et communications)</p> <p>1149 (1151-1158) Autres directeurs et administrateurs, n.c.a. (dans les activités économiques suivantes):</p> <p>1151 Mines (y compris broyage), carrières et puits de pétrole</p> <p>1152 Manufacture de produits durables(1)</p> <p>1153 Manufacture de produits non durables(2)</p> <p>1154 Bâtiment et travaux publics</p> <p>1155 Transports, communications et autres services publics</p> <p>1156 Commerce</p> <p>1157 Services socio-culturels, commerciaux et personnels</p> <p>1158 Autres activités économiques et non précisées(3)</p> <p>117 Professions reliées à la direction et à l'administration</p> <p>1171 Comptables, vérificateurs et autres agents financiers</p> <p>1174 Agents du personnel et professions connexes</p> <p>1175 Acheteurs et agents d'approvisionnement, sauf dans les commerces de gros et de détail</p> <p>1176 Inspecteurs et agents chargés de l'application des règlements dans le secteur privé</p> <p>1179 Travailleurs assimilés (direction et administration), n.c.a.</p>
<p>Major group 21 - Occupations in natural sciences, engineering and mathematics</p> <p>211 Occupations in physical sciences</p> <p>2111 Chemists</p> <p>2112 Geologists</p> <p>2113 Physicists</p> <p>2114 Meteorologists</p> <p>2117 Physical sciences technologists and technicians</p> <p>2119 Occupations in physical sciences, n.e.c.</p>	<p>Grand groupe 21 - Sciences naturelles, génie et mathématiques</p> <p>211 Sciences physiques</p> <p>2111 Chimistes</p> <p>2112 Géologues</p> <p>2113 Physiciens</p> <p>2114 Météorologues</p> <p>2117 Technologues et techniciens des sciences physiques</p> <p>2119 Spécialistes des sciences physiques, n.c.a.</p>

List of Occupation Codes and Titles - Continued

Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 21 - Occupations in natural sciences, engineering and mathematics - Concluded	Grand groupe 21 - Sciences naturelles, génie et mathématiques - fin
213 Occupations in life sciences 2131 Agriculturists and related scientists 2133 Biologists and related scientists 2135 Life sciences technologists and technicians 2139 Occupations in life sciences, n.e.c.	213 Sciences de la vie 2131 Agronomes et scientifiques assimilés 2133 Biologistes et scientifiques assimilés 2135 Technologues et techniciens des sciences de la vie 2139 Spécialistes des sciences de la vie, n.c.a.
214/215 Architects and engineers 2141 Architects 2142 Chemical engineers 2143 Civil engineers 2144 Electrical engineers 2145 Industrial engineers 2147 Mechanical engineers 2151 Metallurgical engineers 2153 Mining engineers 2154 Petroleum engineers 2155 Aeronautical engineers 2157 Nuclear engineers 2159 Architects and engineers, n.e.c.	214/215 Architectes et ingénieurs 2141 Architectes 2142 Ingénieurs chimistes 2143 Ingénieurs civils 2144 Ingénieurs électriciens 2145 Ingénieurs en organisation industrielle 2147 Ingénieurs mécaniciens 2151 Ingénieurs métallurgistes 2153 Ingénieurs des mines 2154 Ingénieurs de l'extraction du pétrole 2155 Ingénieurs de l'aéronautique 2157 Ingénieurs atomiciens 2159 Architectes et ingénieurs, n.c.a.
216 Other occupations in architecture and engineering 2160 Supervisors: other occupations in architecture and engineering 2161 Surveyors 2163 Draughtsmen 2165 Architectural and engineering technologists and technicians 2169 Other occupations in architecture and engineering, n.e.c.	216 Autres professions en architecture et génie 2160 Surveillants d'autres travailleurs en architecture et génie 2161 Géomètres 2163 Dessinateurs 2165 Technologues et techniciens assimilés (architecture et génie) 2169 Autres travailleurs en architecture et génie, n.c.a.
218 Occupations in mathematics, statistics, systems analysis and related fields 2181 Mathematicians, statisticians and actuaries 2183 Systems analysts, computer programmers and related occupations 2189 Occupations in mathematics, statistics, systems analysis and related fields, n.e.c.	218 Mathématiques, statistique, analyse des systèmes et secteurs connexes 2181 Mathématiciens, statisticiens et actuaies 2183 Analystes de systèmes, programmeurs d'ordinateur et spécialistes assimilés 2189 Travailleurs dans le domaine des mathématiques, de la statistique, de l'analyse des systèmes et dans les secteurs connexes, n.c.a.
Major group 23 - Occupations in social sciences and related fields	Grand groupe 23 - Sciences sociales et secteurs connexes
231 Occupations in social sciences 2311 Economists 2313 Sociologists, anthropologists and related social scientists 2315 Psychologists 2319 Occupations in social sciences, n.e.c.	231 Sciences sociales 2311 Économistes 2313 Sociologues, anthropologues et spécialistes assimilés 2315 Psychologues 2319 Travailleurs en sciences sociales, n.c.a.
233 Occupations in social work and related fields 2331 Social workers 2333 Occupations in welfare and community services 2339 Occupations in social work and related fields, n.e.c.	233 Service social et secteurs connexes 2331 Travailleurs sociaux 2333 Agents de bien-être et de services communautaires 2339 Travailleurs en sciences sociales et secteurs connexes, n.c.a.
234 Occupations in law and jurisprudence 2341 Judges and magistrates 2343 Lawyers and notaries 2349 Occupations in law and jurisprudence, n.e.c.	234 Droit et jurisprudence 2341 Juges et magistrats 2343 Avocats et notaires 2349 Travailleurs dans le domaine du droit et de la jurisprudence, n.c.a.
235 Occupations in library, museum and archival sciences 2350 Supervisors: occupations in library, museum and archival sciences 2351 Librarians and archivists 2353 Technicians in library, museum and archival sciences 2359 Occupations in library, museum and archival sciences,	235 Bibliothéconomie, muséologie et archivistique 2350 Surveillants dans le domaine de la bibliothéconomie, de la muséologie et de l'archivistique 2351 Bibliothécaires et archivistes 2353 Techniciens en bibliothéconomie, en muséologie et en archivistique 2359 Travailleurs dans le domaine de la bibliothéconomie, de la muséologie et de l'archivistique, n.c.a.

List of Occupation Codes and Titles - Continued
 Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
<p>Major group 23 - Occupations in social sciences and related fields - Concluded</p> <p>239 Other occupations in social sciences and related fields</p> <p>2391 Educational and vocational counsellors</p> <p>2399 Other occupations in social sciences and related fields, n.e.c.</p>	<p>Grand groupe 23 - Sciences sociales et secteurs connexes - fin</p> <p>239 Autres professions en sciences sociales et secteurs connexes</p> <p>2391 Conseillers en orientation pédagogique ou professionnelle</p> <p>2399 Autres travailleurs en sciences sociales et secteurs connexes, n.c.a.</p>
<p>Major group 25 - Occupations in religion</p> <p>251 Occupations in religion</p> <p>2511 Ministers of religion</p> <p>2513 Nuns and brothers, n.o.r.</p> <p>2519 Occupations in religion, n.e.c.</p>	<p>Grand groupe 25 - Religion</p> <p>251 Religion</p> <p>2511 Ministres des cultes</p> <p>2513 Religieuses et frères, n.d.a.</p> <p>2519 Travailleurs assimilés (religion), n.c.a.</p>
<p>Major group 27 - Teaching and related occupations</p> <p>271 University teaching and related occupations</p> <p>2711 University teachers</p> <p>2719 University teaching and related occupations, n.e.c.</p> <p>273 Elementary and secondary school teaching and related occupations</p> <p>2731 Elementary and kindergarten teachers</p> <p>2733 Secondary school teachers</p> <p>2739 Elementary and secondary school teaching and related occupations, n.e.c.</p> <p>279 Other teaching and related occupations</p> <p>2791 Community college and vocational school teachers</p> <p>2792 Fine arts school teachers</p> <p>2793 Post-secondary school teachers, n.e.c.</p> <p>2795 Teachers of exceptional students, n.e.c.</p> <p>2797 Instructors and training officers, n.e.c.</p> <p>2799 Other teaching and related occupations, n.e.c.</p>	<p>Grand groupe 27 - Enseignement et secteurs connexes</p> <p>271 Enseignement universitaire et secteurs connexes</p> <p>2711 Professeurs d'université</p> <p>2719 Professeurs d'université et assimilés, n.c.a.</p> <p>273 Enseignement primaire et secondaire et secteurs connexes</p> <p>2731 Instituteurs d'école maternelle et d'école primaire</p> <p>2733 Professeurs d'école secondaire</p> <p>2739 Instituteurs d'école primaire, professeurs d'école secondaire et travailleurs assimilés, n.c.a.</p> <p>279 Autre genre d'enseignement et secteurs connexes</p> <p>2791 Professeurs d'enseignement technique ou spécialisé</p> <p>2792 Professeurs de beaux-arts</p> <p>2793 Professeurs d'enseignement postsecondaire, n.c.a.</p> <p>2795 Professeurs d'éducation spéciale (élèves handicapés ou exceptionnels), n.c.a.</p> <p>2797 Instructeurs et agents de formation, n.c.a.</p> <p>2799 Autres professeurs et travailleurs assimilés, n.c.a.</p>
<p>Major group 31 - Occupations in medicine and health</p> <p>311 Health diagnosing and treating occupations</p> <p>3111 Physicians and surgeons</p> <p>3113 Dentists</p> <p>3115 Veterinarians</p> <p>3117 Osteopaths and chiropractors</p> <p>3119 Health diagnosing and treating occupations, n.e.c.</p> <p>313 Nursing, therapy and related assisting occupations</p> <p>3130 Supervisors: nursing occupations</p> <p>3131 Nurses, graduate, except supervisors</p> <p>3133 Nurses-in-training</p> <p>3134 Nursing assistants</p> <p>3135 Nursing aides and orderlies</p> <p>3137 Physiotherapists, occupational and other therapists</p> <p>3139 Nursing, therapy and related assisting occupations, n.e.c.</p> <p>315 Other occupations in medicine and health</p> <p>3151 Pharmacists</p> <p>3152 Dietitians and nutritionists</p> <p>3153 Optometrists</p> <p>3154 Dispensing opticians</p> <p>3155 Radiological technologists and technicians</p> <p>3156 Medical laboratory technologists and technicians</p> <p>3157 Dental hygienists, assistants and technicians</p> <p>3159 Other occupations in medicine and health</p>	<p>Grand groupe 31 - Médecine et santé</p> <p>311 Diagnostic et traitement des maladies</p> <p>3111 Médecins et chirurgiens</p> <p>3113 Dentistes</p> <p>3115 Vétérinaires</p> <p>3117 Ostéopathes et chiropracteurs</p> <p>3119 Techniciens assimilés (diagnostic et traitement des maladies), n.c.a.</p> <p>313 Soins, thérapeutique et secteurs connexes</p> <p>3130 Surveillants dans le domaine des soins</p> <p>3131 Infirmières diplômées, surveillants exceptés</p> <p>3133 Élèves infirmières</p> <p>3134 Infirmières auxiliaires</p> <p>3135 Aides-infirmières et infirmiers</p> <p>3137 Physiothérapeutes, ergothérapeutes et autres thérapeutes</p> <p>3139 Travailleurs assimilés (soins, thérapeutique), n.c.a.</p> <p>315 Autres professions dans le domaine de la médecine et de la santé</p> <p>3151 Pharmaciens</p> <p>3152 Diététiciens et hygiénistes alimentaires</p> <p>3153 Optométristes</p> <p>3154 Maîtres opticiens</p> <p>3155 Technologues et techniciens radiologistes</p> <p>3156 Technologues et techniciens de laboratoire médical</p> <p>3157 Hygiénistes dentaires, assistants et techniciens</p> <p>3159 Autres travailleurs dans le domaine de la médecine et</p>

List of Occupation Codes and Titles - Continued
Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 33 - Artistic, literary, recreational and related occupations	Grand groupe 33 - Arts plastiques, décoratifs, littéraires, d'interprétation et secteurs connexes
<p>331 Occupations in fine and commercial art, photography and related fields</p> <p>3311 Painters, sculptors and related artists</p> <p>3313 Product and interior designers</p> <p>3314 Advertising and illustrating artists</p> <p>3315 Photographers and cameramen</p> <p>3319 Occupations in fine and commercial art, photography and related fields, n.e.c.</p>	<p>331 Beaux-arts, dessin publicitaire, photographie et secteurs connexes</p> <p>3311 Peintres, sculpteurs et artistes assimilés</p> <p>3313 Dessinateurs modélistes et décorateurs ensembliers</p> <p>3314 Dessinateurs publicitaires et illustrateurs</p> <p>3315 Photographes et cameramen</p> <p>3319 Travailleurs spécialisés dans les beaux-arts, le dessin publicitaire, la photographie et secteurs connexes, n.c.a.</p>
<p>333 Occupations in performing and audio-visual arts</p> <p>3330 Producers and directors, performing and audio-visual arts</p> <p>3332 Musicians</p> <p>3333 Dancers and choreographers</p> <p>3335 Actors</p> <p>3337 Radio and television announcers</p> <p>3339 Occupations in performing and audio-visual arts, n.e.c.</p>	<p>333 Arts d'interprétation et arts audio-visuels</p> <p>3330 Producteurs et directeurs de production (arts d'interprétation et arts audio-visuels)</p> <p>3332 Musiciens</p> <p>3333 Danseurs et chorégraphes</p> <p>3335 Acteurs</p> <p>3337 Annonceurs-présentateurs de radio et de télévision</p> <p>3339 Travailleurs spécialisés dans les arts d'interprétation et les arts audio-visuels, n.c.a.</p>
<p>335 Occupations in writing</p> <p>3352 Writers and editors</p> <p>3355 Translators and interpreters</p> <p>3359 Occupations in writing, n.e.c.</p>	<p>335 Rédaction</p> <p>3352 Écrivains et rédacteurs</p> <p>3355 Traducteurs et interprètes</p> <p>3359 Rédacteurs, n.c.a.</p>
<p>337 Occupations in sport and recreation</p> <p>3370 Coaches, trainers, instructors and managers, sport and recreation</p> <p>3371 Referees and related officials</p> <p>3373 Athletes</p> <p>3375 Attendants, sport and recreation</p> <p>3379 Occupations in sport and recreation, n.e.c.</p>	<p>337 Sports et loisirs</p> <p>3370 Entraîneurs, moniteurs, instructeurs et managers (sports et loisirs)</p> <p>3371 Arbitres et officiels assimilés</p> <p>3373 Athlètes</p> <p>3375 Auxiliaires spécialisés dans les sports et les loisirs</p> <p>3379 Travailleurs spécialisés dans les sports et les loisirs, n.c.a.</p>
Major group 41 - Clerical and related occupations	Grand groupe 41 - Travail administratif et secteurs connexes
<p>411 Stenographic and typing occupations</p> <p>4110 Supervisors: stenographic and typing occupations</p> <p>4111 Secretaries and stenographers</p> <p>4113 Typists and clerk-typists</p>	<p>411 Sténographie et dactylographie</p> <p>4110 Surveillants de sténographes et dactylographes</p> <p>4111 Secrétaires et sténographes</p> <p>4113 Dactylographes et commis-dactylographes</p>
<p>413 Bookkeeping, account-recording and related occupations</p> <p>4130 Supervisors: bookkeeping, account-recording and related occupations</p> <p>4131 Bookkeepers and accounting clerks</p> <p>4133 Tellers and cashiers</p> <p>4135 Insurance, bank and other finance clerks</p> <p>4137 Statistical clerks</p> <p>4139 Bookkeeping, account-recording and related occupations, n.e.c.</p>	<p>413 Tenue de livres et travail de comptabilité</p> <p>4130 Surveillants (tenue de livres et travail de comptabilité)</p> <p>4131 Teneurs de livres et employés de comptabilité</p> <p>4133 Caissiers</p> <p>4135 Employés d'assurance, employés de banque et d'autres établissements financiers</p> <p>4137 Employés de services statistiques</p> <p>4139 Travailleurs assimilés (tenue de livres et travail de comptabilité), n.c.a.</p>
<p>414 Office machine and electronic data-processing equipment operators</p> <p>4140 Supervisors: office machine and electronic data-processing equipment operators</p> <p>4141 Office machine operators</p> <p>4143 Electronic data-processing equipment operators</p>	<p>414 Conduite de machines de bureau et de machines de traitement électronique des données</p> <p>4140 Surveillants d'opérateurs sur machines de bureau et sur machines de traitement électronique des données</p> <p>4141 Opérateurs sur machines de bureau</p> <p>4143 Opérateurs sur machines de traitement électronique des données</p>
<p>415 Material recording, scheduling and distributing occupations</p> <p>4150 Supervisors: material recording, scheduling and distributing occupations</p>	<p>415 Enregistrement, planification des mouvements et distribution du matériel</p> <p>4150 Surveillants d'employés préposés à l'enregistrement, à la planification des mouvements et à la distribution du matériel</p>
<p>4151 Production clerks</p> <p>4153 Shipping and receiving clerks</p>	<p>4151 Employés de services de production</p> <p>4153 Employés de services d'expédition et de réception</p>

List of Occupation Codes and Titles - Continued
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All occupations	Toutes les professions
Major group 41 - Clerical and related occupations - Concluded	Grand groupe 41 - Travail administratif et secteurs connexes - fin
415 Material recording, scheduling and distributing occupations - Concluded 4155 Stock clerks and related occupations 4157 Weighers 4159 Material recording, scheduling and distributing occupations, n.e.c. 416 Library, file and correspondence clerks and related occupations 4160 Supervisors: library, file and correspondence clerks and related occupations 4161 Library and file clerks 4169 Library, file and correspondence clerks and related occupations, n.e.c. 417 Reception, information, mail and message distribution occupations 4170 Supervisors: reception, information, mail and message distribution occupations 4171 Receptionists and information clerks 4172 Mail carriers 4173 Mail and postal clerks 4175 Telephone operators 4177 Messengers 4179 Reception, information, mail and message distribution occupations, n.e.c. 419 Other clerical and related occupations 4190 Supervisors: other clerical and related occupations, n.e.c. 4191 Collectors 4192 Adjusters, claim 4193 Travel clerks, ticket, station and freight agents 4194 Hotel clerks 4195 Personnel clerks 4197 General office clerks 4199 Other clerical and related occupations, n.e.c.	415 Enregistrement, planification des mouvements et distribution du matériel - fin 4155 Employés d'approvisionnement et travailleurs assimilés 4157 Employés de services de pesage 4159 Employés préposés à l'enregistrement, à la planification des mouvements et à la distribution du matériel, n.c.a. 416 Employés de bibliothèque, classeurs-archivistes, correspondanciers et travailleurs assimilés 4160 Surveillants d'employés de bibliothèque, de classeurs-archivistes, correspondanciers et travailleurs assimilés 4161 Employés de bibliothèque et classeurs-archivistes 4169 Employés de bibliothèque, classeurs-archivistes, correspondanciers et travailleurs assimilés, n.c.a. 417 Réception, renseignements, et acheminement du courrier et des messages 4170 Surveillants de préposés à la réception, aux renseignements, et à l'acheminement du courrier et des messages 4171 Réceptionnistes et préposés aux renseignements 4172 Facteurs 4173 Commis des postes et préposés au courrier 4175 Téléphonistes-standardistes 4177 Messagers 4179 Préposés à la réception, aux renseignements, et à l'acheminement du courrier et des messages, n.c.a. 419 Autres emplois administratifs et professions connexes 4190 Surveillants d'employés administratifs et de travailleurs assimilés, n.c.a. 4191 Agents de recouvrement 4192 Agents de réclamations 4193 Employés de bureaux de voyage, préposés aux billets, employés de gare et de service de marchandises 4194 Réceptionnistes d'hôtels 4195 Employés de services du personnel 4197 Employés de bureau, en général 4199 Autres employés administratifs et travailleurs assimilés, n.c.a.
Major group 51 - Sales occupations	Grand groupe 51 - Commerce
513/514 Sales occupations, commodities 5130 Supervisors: sales occupations, commodities 5131 Technical salesmen and related advisers 5133 Commercial travellers 5135 Salesmen and salespersons, commodities, n.e.c. 5137 Sales clerks, commodities 5141 Street vendors and door-to-door salesmen 5143 Newsboys 5145 Service station attendants 5149 Sales occupations: commodities, n.e.c. 517 Sales occupations, services 5170 Supervisors: sales occupations, services 5171 Insurance salesmen and agents 5172 Real estate salesmen 5173 Salesmen and traders, securities 5174 Advertising salesmen 5177 Business services salesmen 5179 Sales occupations: services, n.e.c. 519 Other sales occupations 5190 Supervisors: other sales occupations 5191 Buyers, wholesale and retail trade 5193 Driver-salesmen 5199 Other sales occupations, n.e.c.	513/514 Vendeurs (marchandises) 5130 Chefs des ventes (marchandises) 5131 Agents commerciaux techniciens et assimilés 5133 Représentants de commerce 5135 Agents commerciaux et vendeurs (marchandises), n.c.a. 5137 Commis vendeurs 5141 Vendeurs ambulants et vendeurs à domicile 5143 Vendeurs de journaux 5145 Employés de station-service 5149 Vendeurs (marchandises), n.c.a. 517 Vendeurs (services) 5170 Chefs des ventes (services) 5171 Agents d'assurances 5172 Agents immobiliers 5173 Courtiers en valeurs 5174 Agents de publicité 5177 Agents de vente de services aux entreprises 5179 Vendeurs (services), n.c.a. 519 Autres employés de commerce 5190 Surveillants (autres employés de commerce) 5191 Acheteurs (commerce de gros et de détail) 5193 Chauffeurs-livreurs 5199 Autres employés de commerce, n.c.a.

List of Occupation Codes and Titles - Continued
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All occupations	Toutes les professions
<p>Major group 61 - Service occupations</p> <p>611 Protective service occupations 6111 Fire-fighting occupations 6112 Policemen and detectives, government 6113 Policemen and investigators, private 6115 Guards and watchmen 6116 Commissioned officers, Armed Forces 6117 Other ranks, Armed Forces 6119 Protective service occupations, n.e.c.</p> <p>612 Food and beverage preparation and related service occupations 6120 Supervisors: food and beverage preparation and related service occupations 6121 Chefs and cooks 6123 Bartenders 6125 Waiters, hostesses and stewards, food and beverage 6129 Food and beverage preparation and related service occupations, n.e.c.</p> <p>613 Occupations in lodging and other accommodation 6130 Supervisors: occupations in lodging and other accommodation 6131 Managers: hotel, motel and other accommodation 6133 Chambermaids and housemen 6135 Sleeping-car and baggage porters, and bellmen 6139 Occupations in lodging and other accommodation, n.e.c.</p> <p>614 Personal service occupations 6141 Funeral directors, embalmers and related occupations 6143 Barbers, hairdressers and related occupations 6144 Guides 6145 Hostesses and stewards, except food and beverage 6147 Baby-sitters 6149 Personal service occupations, n.e.c.</p> <p>616 Apparel and furnishings service occupations 6160 Supervisors: apparel and furnishings service occupations 6162 Laundering and dry cleaning occupations 6165 Pressing occupations 6169 Apparel and furnishings service occupations, n.e.c.</p> <p>619 Other service occupations 6190 Supervisors: other service occupations 6191 Janitors, charworkers and cleaners 6193 Elevator operating occupations 6198 Occupations in labouring and other elemental work, services 6199 Other service occupations, n.e.c.</p>	<p>Grand groupe 61 - Services</p> <p>611 Services de protection et de sécurité 6111 Pompiers 6112 Détectives et agents de police publique 6113 Enquêteurs et agents de police privée 6115 Gardiens et veilleurs 6116 Officiers des Forces armées 6117 Sous-officiers et soldats des Forces armées 6119 Employés des services de protection et de sécurité, n.c.a.</p> <p>612 Préparation des aliments et des boissons et services connexes 6120 Surveillants de travailleurs spécialisés dans la préparation d'aliments et de boissons et dans les services connexes 6121 Chefs et cuisiniers 6123 Barmen 6125 Serveurs, hôtesse et stewards (aliments et boissons) 6129 Travailleurs spécialisés dans la préparation d'aliments et de boissons et dans les services connexes, n.c.a.</p> <p>613 Logement et secteurs connexes 6130 Surveillants des employés spécialisés dans le logement et secteurs connexes 6131 Gérants: hôtel, motel et autres logements 6133 Femmes de chambre et hommes d'entretien 6135 Employés de wagon-lits, porteurs et chasseurs 6139 Employés spécialisés dans le logement et secteurs connexes, n.c.a.</p> <p>614 Services personnels 6141 Entrepreneurs de pompes funèbres, embaumeurs et travailleurs assimilés 6143 Coiffeurs et travailleurs assimilés 6144 Guides 6145 Hôtesse et stewards (aliments et boissons exceptés) 6147 Gardiennes d'enfants 6149 Travailleurs spécialisés dans les services personnels, n.c.a.</p> <p>616 Services de nettoyage des vêtements et articles en tissu 6160 Surveillants (services de nettoyage des vêtements et articles en tissu) 6162 Occupations en blanchissage et nettoyage à sec 6165 Presseurs 6169 Travailleurs de services de nettoyage des vêtements et articles en tissu, n.c.a.</p> <p>619 Autres services 6190 Surveillants (autres services) 6191 Concierges, hommes de peine, femmes de ménage et nettoyeurs 6193 Conducteurs d'ascenseur et de monte-charge 6198 Manœuvres et travailleurs assimilés (services) 6199 Travailleurs (autres services), n.c.a.</p>
<p>Major group 71 - Farming, horticultural and animal husbandry occupations</p> <p>711 Farmers 7112 Farmers</p> <p>713 Farm management occupations 7131 Farm management occupations</p>	<p>Grand groupe 71 - Agriculture, horticulture et élevage</p> <p>711 Exploitants agricoles 7112 Fermiers</p> <p>713 Directeurs d'exploitations agricoles 7131 Directeurs d'exploitations agricoles</p>

List of Occupation Codes and Titles - Continued

Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 71 - Farming, horticultural and animal husbandry occupations - Concluded	Grand groupe 71 - Agriculture, horticulture et élevage - fin
<p>718/719 Other farming, horticultural and animal husbandry occupations</p> <p>7180 Foremen: other farming, horticultural and animal husbandry occupations</p> <p>7182 Farm workers</p> <p>7195 Nursery and related workers</p> <p>7197 Farm machinery operators and custom operators</p> <p>7199 Other farming, horticultural and animal husbandry occupations, n.e.c.</p>	<p>718/719 Autres travailleurs en agriculture, en horticulture et en élevage</p> <p>7180 Contremaîtres (autres travailleurs en agriculture, en horticulture et en élevage)</p> <p>7182 Ouvriers agricoles</p> <p>7195 Ouvriers pépiniéristes et travailleurs assimilés</p> <p>7197 Conducteurs de machines agricoles ordinaires ou d'un type particulier</p> <p>7199 Autres travailleurs spécialisés en agriculture, en horticulture et en élevage, n.c.a.</p>
Major group 73 - Fishing, hunting, trapping and related occupations	Grand groupe 73 - Pêche, chasse, piégeage et activités connexes
<p>731 Fishing, hunting, trapping and related occupations</p> <p>7311 Captains and other officers, fishing vessels</p> <p>7313 Fishermen: net, trap and line</p> <p>7315 Hunting, trapping and related occupations</p> <p>7319 Fishing, hunting, trapping and related occupations, n.e.c.</p>	<p>731 Pêche, chasse, piégeage et activités connexes</p> <p>7311 Capitaines et autres officiers sur des bateaux de pêche</p> <p>7313 Pêcheurs au filet, à la nasse et à la ligne</p> <p>7315 Chasseurs, trappeurs et travailleurs assimilés</p> <p>7319 Pêcheurs, chasseurs, trappeurs et travailleurs assimilés, n.c.a.</p>
Major group 75 - Forestry and logging occupations	Grand groupe 75 - Exploitation forestière
<p>751 Forestry and logging occupations</p> <p>7510 Foremen: forestry and logging occupations</p> <p>7511 Forestry conservation occupations</p> <p>7513 Timber cutting and related occupations</p> <p>7516 Log inspecting, grading, scaling and related occupations</p> <p>7517 Log hoisting, sorting, moving and related occupations</p> <p>7518 Occupations in labouring and other elemental work, forestry and logging</p> <p>7519 Forestry and logging occupations, n.e.c.</p>	<p>751 Exploitation forestière</p> <p>7510 Contremaîtres (exploitation forestière)</p> <p>7511 Travailleurs spécialisés dans la conservation des forêts</p> <p>7513 Bûcherons et travailleurs assimilés</p> <p>7516 Travailleurs spécialisés dans l'inspection, le classement et le calibrage des billes et travailleurs assimilés</p> <p>7517 Travailleurs préposés au levage, au triage et au transport des billes et travailleurs assimilés</p> <p>7518 Manœuvres et travailleurs assimilés (exploitation forestière)</p> <p>7519 Travailleurs forestiers, n.c.a.</p>
Major group 77 - Mining and quarrying including oil and gas field occupations	Grand groupe 77 - Mines, carrières, puits de pétrole et de gaz
<p>771 Mining and quarrying including oil and gas field occupations</p> <p>7710 Foremen: mining and quarrying including oil and gas field occupations</p> <p>7711 Rotary well-drilling and related occupations</p> <p>7713 Other rock and soil-drilling occupations</p> <p>7715 Blasting occupations</p> <p>7717 Mining and quarrying: cutting, handling and loading occupations</p> <p>7718 Occupations in labouring and other elemental work, mining and quarrying including oil and gas fields</p> <p>7719 Mining and quarrying including oil and gas field occupations, n.e.c.</p>	<p>771 Mines, carrières, puits de pétrole et de gaz</p> <p>7710 Contremaîtres (mines, carrières, puits de pétrole et de gaz)</p> <p>7711 Foreurs de puits (forage rotary) et travailleurs assimilés</p> <p>7713 Autres travailleurs (forage des roches et du sol)</p> <p>7715 Boutefeux</p> <p>7717 Mineurs et carriers: haveurs, transporteurs et chargeurs</p> <p>7718 Manœuvres et travailleurs assimilés (mines, carrières, puits de pétrole et de gaz)</p> <p>7719 Mineurs, carriers et travailleurs de puits de pétrole et de gaz, n.c.a.</p>
Major group 81/82 - Processing occupations	Grand groupe 81/82 - Traitement des matières premières
<p>811 Mineral ore treating occupations</p> <p>8110 Foremen: mineral ore treating occupations</p> <p>8111 Crushing and grinding occupations, mineral ores</p> <p>8113 Mixing, separating, filtering and related occupations, mineral ores</p>	<p>811 Traitement des minerais</p> <p>8110 Contremaîtres (traitement des minerais)</p> <p>8111 Concasseurs et broyeurs de minerais</p> <p>8113 Conducteurs de mélangeurs, de séparateurs et d'appareils de filtrage de minerais et ouvriers assimilés.</p>

List of Occupation Codes and Titles - Continued

Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 81/82 - Processing occupations - Continued	Grand groupe 81/82 - Traitement des matières premières - suite
811 Mineral ore treating occupations - Concluded 8115 Melting and roasting occupations, mineral ores 8116 Inspecting, testing, grading and sampling occupations, mineral ore treating 8118 Occupations in labouring and other elemental work, mineral ore treating 8119 Mineral ore treating occupations, n.e.c.	811 Traitement des minerais - fin 8115 Fondateurs et grilleurs de minerai 8116 Extrudeurs, essayeurs, trieurs et échantillonneurs (traitement des minerais) 8118 Manœuvres et travailleurs assimilés (traitement des minerais) 8119 Ouvriers du traitement des minerais, n.c.a.
813/814 Metal processing and related occupations 8130 Foremen: metal processing and related occupations 8131 Metal smelting, converting and refining furnacemen 8133 Metal heat treating occupations 8135 Metal rolling occupations 8137 Moulding, coremaking and metal casting occupations 8141 Metal extruding and drawing occupations 8143 Plating, metal spraying and related occupations 8146 Inspecting, testing, grading and sampling occupations, metal processing 8148 Occupations in labouring and other elemental work, metal processing 8149 Metal processing and related occupations, n.e.c.	813/814 Traitement des métaux et secteurs connexes 8130 Contremaîtres (traitement des métaux et secteurs connexes) 8131 Conducteurs de fours de fusion, de conversion et d'affinage 8133 Ouvriers du traitement thermique des métaux 8135 Lamineurs 8137 Mouleurs, noyateurs et couleurs de métaux 8141 Extrudeurs et étireurs de métaux 8143 Plaqueurs, pulvérisateurs et ouvriers assimilés 8146 Inspecteurs, essayeurs, trieurs et échantillonneurs (traitement des métaux) 8148 Manœuvres et travailleurs assimilés (traitement des métaux) 8149 Ouvriers du traitement des métaux, n.c.a.
815 Clay, glass and stone processing, forming and related occupations 8150 Foremen: clay, glass and stone processing, forming and related occupations 8151 Furnacemen and kilnmen: clay, glass and stone 8153 Separating, grinding, crushing and mixing occupations: clay, glass and stone 8155 Forming occupations: clay, glass and stone 8156 Inspecting, testing, grading and sampling occupations: clay, glass and stone processing and forming 8158 Occupations in labouring and other elemental work: clay, glass and stone processing and forming 8159 Clay, glass and stone processing, forming and related occupations, n.e.c.	815 Traitement et façonnage de l'argile, du verre, de la pierre et secteurs connexes 8150 Contremaîtres (traitement et façonnage de l'argile, du verre et de la pierre et secteurs connexes) 8151 Conducteurs de fours de verrerie, de faïencerie et de porcelainerie 8153 Séparateurs, meuleurs, concasseurs et malaxeurs (argile, verre et pierre) 8155 Façonneurs (argile, verre et pierre) 8156 Inspecteurs, essayeurs, trieurs et échantillonneurs (traitement et façonnage de l'argile, du verre et de la pierre) 8158 Manœuvres et travailleurs assimilés (traitement et façonnage de l'argile, du verre et de la pierre) 8159 Ouvriers, n.c.a. (traitement et façonnage de l'argile, du verre et de la pierre, et secteurs connexes)
816/817 Chemicals, petroleum, rubber, plastic and related materials processing occupations 8160 Foremen: chemicals, petroleum, rubber, plastic and related materials processing occupations 8161 Mixing and blending occupations, chemicals and related materials 8163 Filtering, straining and separating occupations, chemicals and related materials 8165 Distilling, subliming and carbonizing occupations, chemicals and related materials 8167 Roasting, cooking and drying occupations, chemicals and related materials 8171 Crushing and grinding occupations, chemicals and related materials 8173 Coating and calendaring occupations, chemicals and related materials 8176 Inspecting, testing, grading and sampling occupations: chemicals, petroleum, rubber, plastic and related materials processing 8178 Occupations in labouring and other elemental work: chemicals, petroleum, rubber, plastic and related materials processing 8179 Chemicals, petroleum, rubber, plastic and related materials processing occupations, n.e.c.	816/817 Traitement des produits chimiques, du pétrole, du caoutchouc, du plastique et de matières connexes 8160 Contremaîtres (traitement des produits chimiques, du pétrole, du caoutchouc, du plastique et de matières connexes) 8161 Mélangeurs et malaxeurs (produits chimiques et matières connexes) 8163 Filtreurs et séparateurs (produits chimiques et matières connexes) 8165 Conducteurs d'appareils de distillation, de sublimation et de carbonisation (produits chimiques et matières connexes) 8167 Grilleurs, cuiseurs et conducteurs de séchoir (produits chimiques et matières connexes) 8171 Concasseurs et broyeurs (produits chimiques et matières connexes) 8173 Enduiseurs et calandriers (produits chimiques et matières connexes) 8176 Inspecteurs, essayeurs, trieurs et échantillonneurs (traitement des produits chimiques, du pétrole, du caoutchouc, du plastique et de matières connexes) 8178 Manœuvres et travailleurs assimilés (traitement des produits chimiques, du pétrole, du caoutchouc, du plastique et de matières connexes) 8179 Ouvriers, n.c.a. (traitement des produits chimiques, du pétrole, du caoutchouc, du plastique et de matières connexes)

List of Occupation Codes and Titles - Continued

Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 81/82 - Processing occupations - Continued	Grand groupe 81/82 - Traitement des matières premières - suite
821/822 Food, beverage and related processing occupations 8210 Foremen: food, beverage and related processing occupations 8211 Flour and grain milling occupations 8213 Baking, confectionery making and related occupations	821/822 Alimentation, boissons et secteurs connexes 8210 Contremaîtres (alimentation, boissons et secteurs connexes) 8211 Minotiers et meuniers 8213 Boulangers, pâtisseries, confiseurs et autres cuiseurs assimilés
8215 Slaughtering and meat cutting, canning, curing and packing occupations 8217 Fish canning, curing and packing occupations	8215 Abatteurs, dépeceurs, conserveurs, fumeurs et conditionneurs de viande 8217 Conserveurs, saleurs, saurisseurs et conditionneurs de poisson
8221 Fruit and vegetable canning, preserving and packing occupations	8221 Conserveurs et conditionneurs de fruits et légumes
8223 Milk processing occupations	8223 Ouvriers de laiterie
8225 Sugar processing and related occupations	8225 Ouvriers de sucrerie et travailleurs assimilés
8226 Inspecting, testing, grading and sampling occupations: food, beverage and related processing	8226 Inspecteurs, essayeurs, trieurs et échantillonneurs (alimentation, boissons et secteurs connexes)
8227 Beverage processing occupations	8227 Ouvriers du travail des boissons
8228 Occupations in labouring and other elemental work: food, beverage and related processing	8228 Manœuvres et travailleurs assimilés (alimentation, boissons et secteurs connexes)
8229 Food, beverage and related processing occupations, n.e.c.	8229 Ouvriers, n.c.a. (alimentation, boissons et secteurs connexes)
823 Wood processing occupations, except pulp and papermaking	823 Préparation des bois (pâte à papier et papier exceptés)
8230 Foremen: wood processing occupations, except pulp and papermaking	8230 Contremaîtres (préparation des bois, pâte à papier et papier exceptés)
8231 Sawmill sawyers and related occupations	8231 Scieurs en scierie et ouvriers assimilés
8233 Ply-wood making and related occupations	8233 Contreplaqueurs à la machine et ouvriers assimilés
8235 Wood treating occupations	8235 Ouvriers du traitement des bois
8236 Inspecting, testing, grading and sampling occupations: wood processing, except pulp and papermaking	8236 Inspecteurs, essayeurs, trieurs et échantillonneurs (préparation des bois, pâte à papier et papier exceptés)
8238 Occupations in labouring and other elemental work: wood processing, except pulp and papermaking	8238 Manœuvres et travailleurs assimilés (préparation des bois, pâte à papier et papier exceptés)
8239 Wood processing occupations, except pulp and papermaking, n.e.c.	8239 Ouvriers, n.c.a. (préparation des bois, pâte à papier et papier exceptés)
825 Pulp and papermaking and related occupations	825 Pâte à papier, papier et secteurs connexes
8250 Foremen: pulp and papermaking and related occupations	8250 Contremaîtres (pâte à papier, papier et secteurs connexes)
8251 Cellulose pulp preparing occupations	8251 Préparateurs de pâte cellulosique
8253 Papermaking and finishing occupations	8253 Conducteurs de machines à papier (fabrication et finition)
8256 Inspecting, testing, grading and sampling occupations, pulp and papermaking	8256 Inspecteurs, essayeurs, trieurs et échantillonneurs (pâte à papier et papier)
8258 Occupations in labouring and other elemental work, pulp and papermaking	8258 Manœuvres et travailleurs assimilés (pâte à papier et papier)
8259 Pulp and papermaking and related occupations, n.e.c.	8259 Ouvriers, n.c.a. (pâte à papier et papier et secteurs connexes)
826/827 Textile processing occupations	826/827 Textile
8260 Foremen: textile processing occupations	8260 Contremaîtres (textile)
8261 Textile fibre preparing occupations	8261 Préparateurs de fibres textiles
8263 Textile spinning and twisting occupations	8263 Fileurs, tordeurs et retordeurs (textile)
8265 Textile winding and reeling occupations	8265 Bobineurs (textile)
8267 Textile weaving occupations	8267 Tisseurs
8271 Knitting occupations	8271 Tisseurs (tissus à mailles)
8273 Textile bleaching and dyeing occupations	8273 Blanchisseurs et teinturiers (textile)
8275 Textile finishing and calendering occupations	8275 Finisseurs et calandriers (textile)
8276 Inspecting, testing, grading and sampling occupations, textile processing	8276 Inspecteurs, essayeurs, trieurs et échantillonneurs (textile)
8278 Occupations in labouring and other elemental work, textile processing	8278 Manœuvres et travailleurs assimilés (textile)
8279 Textile processing occupations, n.e.c.	8279 Ouvriers du textile, n.c.a.
829 Other processing occupations	829 Autres secteurs du traitement des matières premières
8290 Foremen: other processing occupations	8290 Contremaîtres (autres secteurs du traitement des matières premières)
8293 Tobacco processing occupations	8293 Tabatiers
8295 Hide and pelt processing occupations	8295 Peaussiers et apprêteurs de fourrures

List of Occupation Codes and Titles - Continued
 Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 81/82 - Processing occupations - Concluded	Grand groupe 81/82 - Traitement des matières premières - fin
829 Other processing occupations - Concluded	829 Autres secteurs du traitement des matières premières - fin
8296 Inspecting, testing, grading and sampling occupations, processing, n.e.c.	8296 Inspecteurs, essayeurs, trieurs et échantillonneurs, n.c.a. (autres secteurs du traitement des matières premières)
8298 Occupations in labouring and other elemental work, other processing	8298 Manoeuvres et travailleurs assimilés (autres secteurs du traitement des matières premières)
8299 Other processing occupations, n.e.c.	8299 Ouvriers, n.c.a. (autres secteurs du traitement des matières premières)
Major group 83 - Machining and related occupations	Grand groupe 83 - Usinage des matières premières et secteurs connexes
831 Metal machining occupations	831 Usinage des métaux
8310 Foremen: metal machining occupations	8310 Contremaîtres (usinage des métaux)
8311 Tool and die making occupations	8311 Outilleurs-matriceurs
8313 Machinist and machine tool setting-up occupations	8313 Mécaniciens et réglés de machines-outils
8315 Machine tool operating occupations	8315 Conducteurs de machines-outils
8316 Inspecting, testing, grading and sampling occupations, metal machining	8316 Inspecteurs, essayeurs, trieurs et échantillonneurs (usinage des métaux)
8319 Metal machining occupations, n.e.c.	8319 Ouvriers de l'usinage des métaux, n.c.a.
833 Metal shaping and forming occupations, except machining	833 Façonnage des métaux (usinage excepté)
8330 Foremen: metal shaping and forming occupations, except machining	8330 Contremaîtres (façonnage des métaux, usinage excepté)
8331 Forging occupations	8331 Forgerons
8333 Sheet metal workers	8333 Tôliers
8334 Metalworking-machine operators, n.e.c.	8334 Conducteurs de machines à travailler les métaux, n.c.a.
8335 Welding and flame cutting occupations	8335 Soudeurs et oxycoupeurs
8336 Inspecting, testing, grading and sampling occupations: metal shaping and forming, except machining	8336 Inspecteurs, essayeurs, trieurs et échantillonneurs (façonnage des métaux, usinage excepté)
8337 Boilermakers, platers and structural metal workers	8337 Chaudronniers, plaqueurs et charpentiers en structures métalliques
8339 Metal shaping and forming occupations, except machining, n.e.c.	8339 Ouvriers, n.c.a. (façonnage des métaux, usinage excepté)
835 Wood machining occupations	835 Usinage des bois
8350 Foremen: wood machining occupations	8350 Contremaîtres (usinage des bois)
8351 Wood patternmaking occupations	8351 Modeleurs sur bois
8353 Wood sawing and related occupations, except sawmill	8353 Scieurs et ouvriers assimilés (scieurs en scierie exceptés)
8355 Planing, turning, shaping and related wood machining occupations	8355 Raboteurs, tourneurs, toupilleurs et ouvriers assimilés (usinage des bois)
8356 Inspecting, testing, grading and sampling occupations, wood machining	8356 Inspecteurs, essayeurs, trieurs et échantillonneurs (usinage des bois)
8357 Wood sanding occupations	8357 Ponceurs de bois
8359 Wood machining occupations, n.e.c.	8359 Ouvriers de l'usinage des bois, n.c.a.
837 Clay, glass and stone and related materials machining occupations	837 Façonnage de l'argile, du verre, de la pierre et des matières connexes
8370 Foremen: clay, glass and stone and related materials machining occupations	8370 Contremaîtres (façonnage de l'argile, du verre, de la pierre et des matières connexes)
8371 Cutting and shaping occupations: clay, glass and stone	8371 Tailleurs et façonneurs (argile, verre et pierre)
8373 Abrading and polishing occupations: clay, glass and stone, n.e.c.	8373 Meuleurs et polisseurs, n.c.a. (argile, verre et pierre)
8376 Inspecting, testing, grading and sampling occupations: clay, glass and stone machining	8376 Inspecteurs, essayeurs, trieurs et échantillonneurs (façonnage de l'argile, du verre et de la pierre)
8379 Clay, glass and stone and related materials machining occupations, n.e.c.	8379 Ouvriers, n.c.a. (façonnage de l'argile, du verre, de la pierre et des matières connexes)
839 Other machining and related occupations	839 Autres secteurs de l'usinage des matières premières et activités connexes
8390 Foremen: other machining and related occupations, n.e.c.	8390 Contremaîtres, n.c.a. (autres secteurs de l'usinage des matières premières et activités connexes)
8391 Engravers, etchers and related occupations	8391 Graveurs, aquafortistes et ouvriers assimilés

List of Occupation Codes and Titles - Continued
 Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 83 - Machining and related occupations - Concluded	Grand groupe 83 - Usinage des matières premières et secteurs connexes - fin
839 Other machining and related occupations - Concluded 8393 Filing, grinding, buffing, cleaning and polishing occupations, n.e.c. 8395 Patternmakers and mouldmakers, n.e.c. 8396 Inspecting, testing, grading and sampling occupations, machining, n.e.c. 8399 Other machining and related occupations, n.e.c.	839 Autres secteurs de l'usinage des matières premières et activités connexes - fin 8393 Limeurs, meuleurs, polisseurs et nettoyeurs, n.c.a. 8395 Modeleurs et mouleurs, n.c.a. 8396 Inspecteurs, essayeurs, trieurs et échantillonneurs, n.c.a. (usinage des matières premières) 8399 Ouvriers, n.c.a. (autres secteurs de l'usinage des matières premières et activités connexes)
Major group 85 - Product fabricating, assembling and repairing occupations	Grand groupe 85 - Fabrication, montage et réparation de produits finis
851/852 Fabricating and assembling occupations, metal products, n.e.c. 8510 Foremen: fabricating and assembling occupations, metal products, n.e.c. 8511 Engine and related equipment fabricating and assembling occupations, n.e.c. 8513 Motor vehicle fabricating and assembling occupations, n.e.c. 8515 Aircraft fabricating and assembling occupations, n.e.c. 8523 Industrial, farm, construction and other mechanized equipment and machinery fabricating and assembling occupations, n.e.c. 8525 Business and commercial machines fabricating and assembling occupations, n.e.c. 8526 Inspecting, testing, grading and sampling occupations, fabricating and assembling metal products, n.e.c. 8527 Precision instruments and related equipment fabricating and assembling occupations, n.e.c. 8528 Occupations in labouring and other elemental work, fabricating and assembling metal products, n.e.c. 8529 Other fabricating and assembling occupations, metal products, n.e.c. 853 Fabricating, assembling, installing and repairing occupations: electrical, electronic and related equipment 8530 Foremen: fabricating, assembling, installing and repairing occupations, electrical, electronic and related equipment 8531 Electrical equipment fabricating and assembling occupations 8533 Electrical and related equipment installing and repairing occupations, n.e.c. 8534 Electronic equipment fabricating and assembling occupations 8535 Electronic and related equipment installing and repairing occupations, n.e.c. 8536 Inspecting, testing, grading and sampling occupations: fabricating, assembling, installing and repairing electrical, electronic and related equipment 8537 Radio and television service repairmen 8538 Occupations in labouring and other elemental work: fabricating, assembling, installing and repairing electrical, electronic and related equipment 8539 Fabricating, assembling, installing and repairing occupations: electrical, electronic and related equipment, n.e.c. 854 Fabricating, assembling and repairing occupations, wood products 8540 Foremen: fabricating, assembling and repairing occupations, wood products 8541 Cabinet and wood furniture makers	851/852 Secteurs, n.c.a. de la fabrication et du montage de produits métalliques 8510 Contremaîtres, n.c.a. (fabrication et montage de produits métalliques) 8511 Ouvriers, n.c.a. (fabrication et montage de moteurs et matériel connexe) 8513 Ouvriers, n.c.a. (fabrication et montage de véhicules à moteur) 8515 Ouvriers, n.c.a. (fabrication et montage d'avions) 8523 Ouvriers, n.c.a. (fabrication et montage de machines et appareils utilisés dans l'industrie, l'agriculture et la construction) 8525 Ouvriers, n.c.a. (fabrication et montage de machines de bureau et de machines utilisées dans le commerce) 8526 Inspecteurs, essayeurs, trieurs et échantillonneurs, n.c.a. (fabrication et montage de produits métalliques) 8527 Ouvriers, n.c.a. (fabrication et montage d'instruments de précision et matériel connexe) 8528 Manœuvres et travailleurs assimilés, n.c.a. (fabrication et montage de produits métalliques) 8529 Autres ouvriers, n.c.a. (fabrication et montage de produits métalliques) 853 Fabrication, montage, installation et réparation (matériel électrique, électronique et matériel connexe) 8530 Contremaîtres (fabrication, montage, installation et réparation de matériel électrique, électronique et de matériel connexe) 8531 Ouvriers de fabrication et de montage de matériel électrique 8533 Ouvriers, n.c.a. (installation et réparation de matériel électrique et de matériel connexe) 8534 Ouvriers de fabrication et de montage de matériel électronique 8535 Ouvriers, n.c.a. (installation et réparation de matériel électronique et de matériel connexe) 8536 Inspecteurs, essayeurs, trieurs et échantillonneurs (fabrication, montage, installation et réparation de matériel électrique, électronique et de matériel connexe) 8537 Réparateurs d'appareils de radio et de télévision 8538 Manœuvres et travailleurs assimilés (fabrication, montage, installation et réparation de matériel électrique, électronique et de matériel connexe) 8539 Ouvriers, n.c.a. (fabrication, montage, installation et réparation de matériel électrique, électronique et de matériel connexe) 854 Fabrication, montage et réparation (produits en bois) 8540 Contremaîtres (fabrication, montage et réparation de produits en bois) 8541 Ébénistes et menuisiers

List of Occupation Codes and Titles - Continued
Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 85 - Product fabricating, assembling and repairing occupations - Continued	Grand groupe 85 - Fabrication, montage et réparation de produits finis - suite
854 Fabricating, assembling and repairing occupations, wood products - Concluded	854 Fabrication, montage et réparation (produits en bois) - fin
8546 Inspecting, testing, grading and sampling occupations: fabricating, assembling and repairing, wood products	8546 Inspecteurs, essayeurs, trieurs et échantillonneurs (fabrication, montage et réparation de produits en bois)
8548 Occupations in labouring and other elemental work: fabricating, assembling and repairing, wood products	8548 Manœuvres et travailleurs assimilés (fabrication, montage et réparation de produits en bois)
8549 Fabricating, assembling and repairing occupations, wood products, n.e.c.	8549 Ouvriers, n.c.a. (fabrication, montage et réparation de produits en bois)
855/856 Fabricating, assembling and repairing occupations: textiles, fur and leather products	855/856 Fabrication, montage et réparation (articles en tissu, en fourrure et en cuir)
8550 Foremen: fabricating, assembling and repairing occupations, textile, fur and leather products	8550 Contremaîtres (fabrication, montage et réparation d'articles en tissu, en fourrure et en cuir)
8551 Patternmaking, marking and cutting occupations: textile, fur and leather products	8551 Modeleurs, marqueurs et coupeurs d'articles en tissu, en fourrure et en cuir
8553 Tailors and dressmakers	8553 Tailleurs et couturiers
8555 Furriers	8555 Fourreurs
8557 Milliners, hat and cap makers	8557 Modistes, chapeliers et casquettiers
8561 Shoemaking and repairing occupations	8561 Cordonniers et ouvriers en chaussures
8562 Upholsterers	8562 Tapissiers, selliers et garnisseurs
8563 Sewing machine operators, textile and similar materials	8563 Piqueurs à la machine (tissus et matériaux connexes)
8566 Inspecting, testing, grading and sampling occupations: fabricating, assembling and repairing, textile, fur and leather products	8566 Inspecteurs, essayeurs, trieurs et échantillonneurs (fabrication, montage et réparation d'articles en tissu, en fourrure et en cuir)
8568 Occupations in labouring and other elemental work: fabricating, assembling and repairing, textile, fur and leather products	8568 Manœuvres et travailleurs assimilés (fabrication, montage et réparation d'articles en tissu, en fourrure et en cuir)
8569 Fabricating, assembling and repairing occupations: textile, fur and leather products, n.e.c.	8569 Travailleurs, n.c.a. (fabrication, montage et réparation d'articles en tissu, en fourrure et en cuir)
857 Fabricating, assembling and repairing occupations: rubber, plastic and related products	857 Fabrication, montage et réparation (articles en caoutchouc, en matières plastiques et en matières connexes)
8570 Foremen: fabricating, assembling and repairing occupations, rubber, plastic and related products	8570 Contremaîtres (fabrication, montage et réparation d'articles en caoutchouc, en matières plastiques et en matières connexes)
8571 Bonding and cementing occupations, rubber, plastic and related products	8571 Soudeurs et colleurs (articles en caoutchouc, en matières plastiques et en matières connexes)
8573 Moulding occupations, rubber, plastic and related products	8573 Mouleurs (articles en caoutchouc, en matières plastiques et en matières connexes)
8575 Cutting and finishing occupations, rubber, plastic and related products	8575 Coupeurs et finisseurs (articles en caoutchouc, en matières plastiques et en matières connexes)
8576 Inspecting, testing, grading and sampling occupations: fabricating, assembling and repairing, rubber, plastic and related products	8576 Inspecteurs, essayeurs, trieurs et échantillonneurs (fabrication, montage et réparation d'articles en caoutchouc, en matières plastiques et en matières connexes)
8578 Occupations in labouring and other elemental work: fabricating, assembling and repairing, rubber, plastic and related products	8578 Manœuvres et travailleurs assimilés (fabrication, montage et réparation d'articles en caoutchouc, en matières plastiques et en matières connexes)
8579 Fabricating, assembling and repairing occupations: rubber, plastic and related products, n.e.c.	8579 Ouvriers, n.c.a. (fabrication, montage et réparation d'articles en caoutchouc, en matières plastiques et en matières connexes)
858 Mechanics and repairmen except electrical	858 Entretien et réparation (matériel électrique excepté)
8580 Foremen: mechanics and repairmen except electrical	8580 Contremaîtres (entretien et réparation, matériel électrique excepté)
8581 Motor vehicle mechanics and repairmen	8581 Mécaniciens et réparateurs (véhicules à moteur)
8582 Aircraft mechanics and repairmen	8582 Mécaniciens et réparateurs (avions)
8583 Rail transport equipment mechanics and repairmen	8583 Mécaniciens et réparateurs (matériel roulant)
8584 Industrial, farm and construction machinery mechanics and repairmen	8584 Mécaniciens et réparateurs (machines utilisées dans l'industrie, l'agriculture et la construction)
8585 Business and commercial machine mechanics and repairmen	8585 Mécaniciens et réparateurs (machines utilisées dans les bureaux et dans le commerce)
8586 Inspecting, testing, grading and sampling occupations, equipment repair except electrical	8586 Inspecteurs, essayeurs, trieurs et échantillonneurs (réparation, matériel électrique excepté)
8587 Watch and clock repairmen	8587 Réparateurs (montres et horloges)
8588 Precision instrument mechanics and repairmen	8588 Mécaniciens et réparateurs (instruments de précision)
8589 Mechanics and repairmen except electrical, n.e.c.	8589 Mécaniciens et réparateurs, n.c.a. (matériel électrique excepté)

List of Occupation Codes and Titles - Continued
 Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 85 - Product fabricating, assembling and repairing occupations - Concluded	Grand groupe 85 - Fabrication, montage et réparation de produits finis - fin
859 Other product fabricating, assembling and repairing occupations 8590 Foremen: product fabricating, assembling and repairing occupations, n.e.c. 8591 Jewellery and silverware fabricating, assembling and repairing occupations 8592 Marine craft fabricating, assembling and repairing occupations 8593 Paper product fabricating and assembling occupations 8595 Painting and decorating occupations, except construction 8596 Inspecting, testing, grading and sampling occupations: product fabricating, assembling and repairing, n.e.c. 8598 Occupations in labouring and other elemental work: product fabricating, assembling and repairing, n.e.c. 8599 Other product fabricating, assembling and repairing occupations, n.e.c.	859 Fabrication, montage et réparation (autres produits finis) 8590 Contremaîtres, n.c.a. (fabrication, montage et réparation de produits finis) 8591 Joailliers et orfèvres 8592 Ouvriers de fabrication, de montage et de réparation d'embarcations 8593 Ouvriers de fabrication et de montage de produits en papier 8595 Peintres et décorateurs (industrie du bâtiment exceptée) 8596 Inspecteurs, essayeurs, trieurs et échantillonneurs, n.c.a. (fabrication, montage et réparation de produits finis) 8598 Manoeuvres et travailleurs assimilés, n.c.a. (fabrication, montage et réparation de produits finis) 8599 Ouvriers, n.c.a. (fabrication, montage et réparation d'autres produits finis)
Major group 87 - Construction trades occupations	Grand groupe 87 - Construction
871 Excavating, grading, paving and related occupations 8710 Foremen: excavating, grading, paving and related occupations 8711 Excavating, grading and related occupations 8713 Paving, surfacing and related occupations 8715 Railway sectionmen and trackmen 8718 Occupations in labouring and other elemental work: excavating, grading and paving 8719 Excavating, grading, paving and related occupations, n.e.c. 873 Electrical power, lighting and wire communications equipment erecting, installing and repairing occupations 8730 Foremen: electrical power, lighting and wire communications equipment erecting, installing and repairing occupations 8731 Electrical power linemen and related occupations 8733 Construction electricians and repairmen 8735 Wire communications and related equipment installing and repairing occupations 8736 Inspecting, testing, grading and sampling occupations: electrical power, lighting and wire communications equipment erecting, installing and repairing 8738 Occupations in labouring and other elemental work: electrical power, lighting and wire communications equipment erecting, installing and repairing 8739 Electrical power, lighting and wire communications equipment erecting, installing and repairing occupations, n.e.c. 878/879 Other construction trades occupations 8780 Foremen: other construction trades occupations 8781 Carpenters and related occupations 8782 Brick and stone masons and tile setters 8783 Concrete finishing and related occupations 8784 Plasterers and related occupations 8785 Painters, paperhangers and related occupations	871 Excavation, nivellement, pavage et secteurs connexes 8710 Contremaîtres (excavation, nivellement, pavage et secteurs connexes) 8711 Excavateurs, niveleurs et ouvriers assimilés 8713 Paveurs, ouvriers travaillant au revêtement des routes et assimilés 8715 Poseurs de rails et cantonniers 8718 Manoeuvres et travailleurs assimilés (excavation, nivellement et pavage) 8719 Ouvriers, n.c.a. (excavation, nivellement, pavage et secteurs connexes) 873 Montage, installation et réparation (matériel électrique, d'éclairage et de communications par fil) 8730 Contremaîtres (montage, installation et réparation de matériel électrique, d'éclairage et de communications par fil) 8731 Monteurs de lignes électriques et ouvriers assimilés 8733 Électriciens (construction) 8735 Installateurs et réparateurs (matériel de communications par fil et matériel connexe) 8736 Inspecteurs, essayeurs, trieurs et échantillonneurs (montage, installation et réparation de matériel électrique, d'éclairage et de communications par fil) 8738 Manoeuvres et travailleurs assimilés (montage, installation et réparation de matériel électrique, d'éclairage et de communications par fil) 8739 Ouvriers, n.c.a. (montage, installation et réparation de matériel électrique, d'éclairage et de communications par fil) 878/879 Autres secteurs de la construction 8780 Contremaîtres (autres secteurs de la construction) 8781 Charpentiers et ouvriers assimilés 8782 Briqueteurs, maçons et carreleurs 8783 Finisseurs de revêtements en béton et ouvriers assimilés 8784 Plâtriers et ouvriers assimilés 8785 Peintres, tapissiers en papiers peints et ouvriers assimilés

List of Occupation Codes and Titles - Continued

Liste des codes et des titres de profession - suite

All occupations	Toutes les professions
Major group 87 - Construction trades occupations - Concluded	Grand groupe 87 - Construction - fin
878/879 Other construction trades occupations - Concluded 8786 Insulating occupations, construction 8787 Roofing, waterproofing and related occupations 8791 Pipefitting, plumbing and related occupations 8793 Structural metal erectors 8795 Glaziers 8796 Inspecting, testing, grading and sampling occupations, construction, except electrical 8798 Occupations in labouring and other elemental work, other construction trades 8799 Other construction trades occupations, n.e.c.	878/879 Autres secteurs de la construction - fin 8786 Ouvriers de l'isolation et de l'insonorisation en construction 8787 Couvresseurs, hydrofugeurs et assimilés 8791 Plombiers, monteurs en tuyaux et ouvriers assimilés 8793 Monteurs de charpentes métalliques 8795 Vitriers 8796 Inspecteurs, essayeurs, trieurs et échantillonneurs en construction (matériel électrique excepté) 8798 Manœuvres et travailleurs assimilés (autres secteurs de la construction) 8799 Ouvriers, n.c.a. (autres secteurs de la construction)
Major group 91 - Transport equipment operating occupations	Grand groupe 91 - Transports
911 Air transport operating occupations 9110 Foremen: air transport operating occupations 9111 Air pilots, navigators and flight engineers 9113 Air transport operating support occupations 9119 Air transport operating occupations, n.e.c.	911 Transport aérien 9110 Contremaîtres (transport aérien) 9111 Pilotes d'avions, navigateurs et mécaniciens navigants 9113 Travailleurs auxiliaires (transport aérien) 9119 Travailleurs, n.c.a. (transport aérien)
913 Railway transport operating occupations 9130 Foremen: railway transport operating occupations 9131 Locomotive engineers and firemen 9133 Conductors and brakemen, railway 9135 Railway transport operating support occupations 9139 Railway transport operating occupations, n.e.c.	913 Transport ferroviaire 9130 Contremaîtres (transport ferroviaire) 9131 Mécaniciens et chauffeurs de locomotive 9133 Chefs de train et serre-freins 9135 Travailleurs auxiliaires (transport ferroviaire) 9139 Travailleurs, n.c.a. (transport ferroviaire)
915 Water transport operating occupations 9151 Deck officers 9153 Engineering officers, ship 9155 Deck crew, ship 9157 Engine and boiler-room crew, ship 9159 Water transport operating occupations, n.e.c.	915 Transport fluvial et transport maritime 9151 Officiers de pont 9153 Officiers mécaniciens de navire 9155 Matelots de pont 9157 Matelots mécaniciens et chauffeurs 9159 Travailleurs, n.c.a. (transport fluvial et transport maritime)
917 Motor transport operating occupations 9170 Foremen: motor transport operating occupations 9171 Bus drivers 9173 Taxi drivers and chauffeurs 9175 Truck drivers 9179 Motor transport operating occupations, n.e.c.	917 Transport automobile 9170 Contremaîtres (transport automobile) 9171 Conducteurs d'autobus 9173 Chauffeurs de taxi et assimilés 9175 Conducteurs de camion 9179 Travailleurs, n.c.a. (transport automobile)
919 Other transport and related equipment operating occupations 9190 Foremen: other transport and related equipment operating occupations 9191 Subway and street railway operating occupations 9193 Motormen and dinkeymen, except rail transport 9199 Other transport and related equipment operating occupations, n.e.c.	919 Autres moyens de transport 9190 Contremaîtres (autres moyens de transport) 9191 Conducteurs de métro et de tramway 9193 Conducteurs de locomotive, de convoyeur et d'autres engins de transport (transport ferroviaire excepté) 9199 Travailleurs, n.c.a. (autres moyens de transport et matériel connexe)
Major group 93 - Materials handling and related occupations, n.e.c.	Grand groupe 93 - Manutention et secteurs connexes, n.c.a.
931 Materials handling and related occupations, n.e.c. 9310 Foremen: materials handling and related occupations, n.e.c. 9311 Hoisting occupations, n.e.c. 9313 Longshoremen, stevedores and freight handlers 9315 Materials handling equipment operators, n.e.c. 9317 Packaging occupations, n.e.c. 9318 Occupations in labouring and other elemental work, materials handling 9319 Materials handling and related occupations, n.e.c.	931 Manutention et secteurs connexes, n.c.a. 9310 Contremaîtres (manutention et secteurs connexes), n.c.a. 9311 Conducteurs de grues et autres appareils de levage, n.c.a. 9313 Dockers, débardeurs et manutentionnaires 9315 Conducteurs d'engins de manutention, n.c.a. 9317 Emballeurs, n.c.a. 9318 Manœuvres et travailleurs assimilés (manutention) 9319 Travailleurs, n.c.a. (manutention et secteurs connexes)

List of Occupation Codes and Titles - Concluded

Liste des codes et des titres de profession - fin

All occupations	Toutes les professions
<p>Major group 95 - Other crafts and equipment operating occupations</p> <p>951 Printing and related occupations 9510 Foremen: printing and related occupations 9511 Typesetters and compositors 9512 Printing press occupations 9513 Stereotypers and electrotypers 9514 Printing engravers, except photoengravers 9515 Photoengravers and related occupations 9517 Bookbinders and related occupations 9518 Occupations in labouring and other elemental work, printing and related, n.e.c. 9519 Printing and related occupations, n.e.c.</p> <p>953 Stationary engine and utilities equipment operating and related occupations 9530 Foremen: stationary engine and utilities equipment operating and related occupations 9531 Power station operators 9539 Stationary engine and utilities equipment operating and related occupations, n.e.c.</p> <p>955 Electronic and related communications equipment operating occupations, n.e.c. 9550. Foremen: electronic and related communications equipment operating occupations, n.e.c. 9551 Radio and television broadcasting equipment operators 9553 Telegraph operators 9555 Sound recording and reproduction equipment operators 9557 Motion picture projectionists 9559 Electronic and related communications equipment operating occupations, n.e.c.</p> <p>959 Other crafts and equipment operating occupations, n.e.c. 9590 Foremen: other crafts and equipment operating occupations, n.e.c. 9591 Photographic processing occupations 9599 Other crafts and equipment operating occupations, n.e.c.</p>	<p>Grand groupe 95 - Conduite de machines et d'appareils divers</p> <p>951 Imprimerie et secteurs connexes 9510 Contremaîtres (imprimerie et secteurs connexes) 9511 Typographes et compositeurs 9512 Conducteurs de presses à imprimer 9513 Clicheurs 9514 Graveurs, photograpeurs exceptés 9515 Photograpeurs et travailleurs assimilés 9517 Relieurs et travailleurs assimilés 9518 Manoeuvres dans l'imprimerie et domaines apparentés, n.c.a. 9519 Travailleurs, n.c.a. (imprimerie et secteurs connexes)</p> <p>953 Conduite de machines et d'installations fixes et secteurs connexes 9530 Contremaîtres (conduite de machines et d'installations fixes et secteurs connexes) 9531 Conducteurs de centrale électrique 9539 Travailleurs, n.c.a. (conduite de machines et d'installations fixes et secteurs connexes)</p> <p>955 Exploitation de matériel électronique, de communications et matériel connexe, n.c.a. 9550 Contremaîtres (exploitation de matériel électronique, de communications et de matériel connexe, n.c.a.) 9551 Opérateurs de stations de radio et de télévision 9553 Télégraphistes 9555 Opérateurs d'enregistrement et de reproduction du son 9557 Projectionnistes de cinéma 9559 Travailleurs, n.c.a. (exploitation de matériel électronique, de communications et de matériel connexe, n.c.a.)</p> <p>959 Conduite de machines et d'appareils divers, n.c.a. 9590 Contremaîtres (conduite de machines et d'appareils divers, n.c.a.) 9591 Développeurs de photographies et de films 9599 Travailleurs, n.c.a. (conduite de machines et d'appareils divers, n.c.a.)</p>
<p>Major group 99 - Occupations not elsewhere classified</p> <p>991 Occupations not elsewhere classified 9910 Supervisors and foremen, n.e.c. 9916 Inspecting, testing, grading and sampling occupations, n.e.c. 9918 (9921-9926) Occupations in labouring and other elemental work, n.e.c. (in the following industries): 9921 Manufacturing industries 9922 Transportation, communication and other utilities 9923 Trade 9924 Community, business and personal service 9925 Public administration and defence 9926 Other industries and unspecified(4) 9919 Other occupations, n.e.c.</p>	<p>Grand groupe 99 - Activités non classées ailleurs*</p> <p>991 Activités non classées ailleurs* 9910 Surveillants et contremaîtres, n.c.a. 9916 Inspecteurs, essayeurs, trieurs et échantillonneurs, n.c.a. 9918 (9921-9926) Manoeuvres et travailleurs assimilés, n.c.a. (dans les activités économiques suivantes): 9921 Industries manufacturières 9922 Transports, communications et autres services publics 9923 Commerce 9924 Services socio-culturels, commerciaux et personnels 9925 Administration publique et défense 9926 Autres activités économiques et non précisées(4) 9919 Autres travailleurs, n.c.a.</p>
<p>Major group 00 - Occupations not stated</p> <p>000 Occupations not stated 0000 Occupations not stated</p>	<p>Grand groupe 00 - Professions non déclarées</p> <p>000 Professions non déclarées 0000 Professions non déclarées</p>

See footnote(s) at end of Appendix B.

Voir renvoi(s) à la fin de l'appendice B.

FOOTNOTES

RENOIS

- (1) Includes wood industries, furniture and fixture industries, primary metal industries, metal fabricating industries (except machinery and transportation equipment industries), machinery industries (except electrical machinery), transportation equipment industries, electrical products industries and non-metallic mineral products industries.
- (2) Includes food and beverage industries, tobacco products industries, rubber and plastics products industries, leather industries, textile industries, knitting mills, clothing industries, paper and allied industries, printing, publishing and allied industries, petroleum and coal products industries, chemical and chemical products industries, and miscellaneous manufacturing industries.
- (3) Includes industry unspecified or undefined, agriculture, forestry, fishing and trapping, finance, insurance and real estate and public administration and defence.
- (4) Includes industry unspecified or undefined, agriculture, forestry, fishing and trapping, mines (including milling), quarries and oil wells, construction industry and finance, insurance and real estate.

n.e.c. = not elsewhere classified.
n.o.r. = not otherwise reported.

- (1) Y compris l'industrie du bois, l'industrie du meuble et des articles d'ameublement, la première transformation des métaux, la fabrication de produits en métal (sauf machines et équipement de transport), la fabrication de machines (sauf électriques), la fabrication d'équipement de transport, la fabrication de produits électriques et la fabrication de produits minéraux non métalliques.
- (2) Y compris l'industrie des aliments et boissons, l'industrie du tabac, l'industrie du caoutchouc et produits en matière plastique, l'industrie du cuir, l'industrie textile, la bonneterie, l'industrie de l'habillement, l'industrie du papier et activités annexes, l'imprimerie, l'édition et activités annexes, la fabrication de produits du pétrole et du charbon, l'industrie chimique et les industries manufacturières diverses.
- (3) Y compris les activités indéterminées et imprécises, agriculture, forêts, chasse et pêche, finances, assurances et affaires immobilières et administration publique et défense.
- (4) Y compris les activités indéterminées et imprécises, agriculture, forêts, chasse et pêche, mines (y compris broyage), carrières et puits de pétrole, bâtiment et travaux publics et finances, assurances et affaires immobilières.

* Ce grand groupe est identifié par le terme "Activités mal désignées" dans la "Classification des professions, Recensement du Canada, 1971".

n.c.a. = non classés ailleurs.
n.d.a. = non déclarés autrement.

APPENDIX E

Labour Force Survey

LABOUR FORCE SURVEY

The monthly Labour Force Survey has a sample size of 56,000 individuals stratified by province, and experienced a major change in 1973. In that year a new occupational code was used producing a break in the statistical series. In addition, a major revision to the labour force survey took place during the period 1972 to 1975, involving changes to concepts, definitions and sample design. Although the occupational coding of the LFS did not change as a result of this revision, the employed by occupation data series have not been linked. Data from both the former and the present survey are available for 1975.

LFS uses the population part of census as a benchmark. The census information by province, age and sex (200 cells) is applied to the LFS of the corresponding period (following adjustments for the different dates of surveys and census). This then provides a set of weights by which the survey series is adjusted; in particular the occupational detail is adjusted to reflect the revised population figures, the adjustment being taken for every month back to 1961. It is not expected that the quinquennial census 1976 will give cause for much of an adjustment to be made.

The historical series on employment levels by occupational group coded according to the Occupational Classification Manual of the 1961 Census, is available on a monthly basis for January 1961 to December 1973. Employment levels by occupational group, coded according to the Occupational Classification Manual of the 1971 Census, is available on a monthly basis from January 1973 to the present. Attached is a description of the occupational coding issue involved in the LFS.

OCCUPATIONAL CODING IN THE LABOUR FORCE SURVEY

Since January 1973, the labour force survey section has used two occupational coding systems: the former system under which the occupational data were published since 1965 (1) and a system based on the Canadian Classification and Dictionary of Occupations (C.C.D.O.) (2). The objective of this article is to introduce this new occupational coding system for the Labour Force Survey and attempt to show the movements which exist between the statistical series of the two systems. Starting October 1973, the survey will use only the new coding system.

The labour force survey has decided to adopt this new system so that the statistical series it produces will compare with those published by other sources of Statistics Canada and will correspond to more general usage. The former coding system comprised thirteen groups and the new one comprises twenty-one. The new classification is more specific by offering a wider range of groups and the definition of certain groups (eg. managerial) is different from the old classification. These two phenomena i.e. a greater number of groups and a change in definitions, make it difficult to link the statistical series. The objective of this article is to show the amplitude of movements between the series by using the average employment levels in each group during the second quarter of 1973.

Table S-1 cross classifies the former occupational grouping by the new groupings. Table S-2 shows the percent distribution of Table S-1 using the former classification as the base while Table S-3 gives the percent distribution of Table S-1 using the new classification as the base. These tabulations show the difficulty of linking the new statistical series.

In order to make our task easy, let us imagine a continuum of homogeneity on which we would have at one extremity perfectly homogeneous groups i.e. an occupational group in the new classification corresponds 100% to another occupational group in the former classification and vice versa. At the other extremity of the continuum an occupational group in the new classification corresponds either to many occupational groups or no particular occupational group in the former classification and vice versa.

CODAGE DES PROFESSIONS DANS L'ENQUÊTE SUR LA POPULATION ACTIVE

Depuis janvier 1973, la Section de l'enquête sur la population active a utilisé deux systèmes de codification des professions: l'ancien système suivant lequel les données sur les professions étaient publiées depuis 1965 (1) et un système inspiré de la Classification et dictionnaire canadiens des professions (C.D.C.P.) (2). Le présent article a pour objet de présenter ce nouveau système de codage des professions pour l'enquête sur la population active et de tenter de montrer les mouvements qui existent entre les séries statistiques des deux systèmes. A compter d'octobre 1973, seul le nouveau système de codification sera utilisé dans le cadre de l'enquête.

La Section de l'enquête sur la population active a décidé d'adopter ce nouveau système afin que les séries statistiques produites soient comparables à celles publiées par d'autres organes de Statistique Canada et cadrent avec ce qui est le plus souvent d'usage en cette matière. L'ancien système de codage comprenait treize groupes et le nouveau en compte vingt et un. La nouvelle classification est plus détaillée et plus précise; elle offre en effet un plus grand éventail de groupes et la définition de certains groupes (par ex. direction) y est différente de celle de l'ancienne classification. Ces deux aspects, soit un plus grand nombre de groupes et les modifications apportées à certaines définitions font qu'il est difficile de relier les séries statistiques. Le présent article a pour but de montrer la grandeur des mouvements entre les séries en utilisant le niveau moyen de l'emploi pour chaque groupe au deuxième trimestre de 1973.

Le tableau S-1 croise les anciens groupes de professions selon les nouveaux groupes. Le tableau S-2 présente la répartition en pourcentage du tableau S-1 en utilisant l'ancienne classification comme base, et le tableau S-3 fait de même en recourant à la nouvelle classification. Ces totalisations indiquent bien le problème que pose le rapprochement des nouvelles séries statistiques.

Pour nous faciliter la tâche, imaginons un continuum d'homogénéité dans lequel nous aurions à une extrémité les groupes parfaitement homogènes, c'est-à-dire les groupes de la nouvelle classification qui correspondent à 100% à l'un de l'ancienne classification et vice versa. A l'autre extrémité du continuum nous retrouverions les groupes professionnels de la nouvelle classification qui, soit correspondent à plusieurs groupes de professions de l'ancienne classification soit ne correspondent à aucun et vice versa.

For ease of analysis, the continuum has been divided into three categories:

- 1) homogeneous groups: includes those occupational groups that showed over 90% homogeneity.
- 2) Semi-homogeneous groups: includes those occupational groups that showed between 80% and 90% homogeneity.
- 3) Non-homogeneous groups: includes those occupational groups that have less than 80% homogeneity.

1) Homogeneous groups

Only one group is perfectly homogeneous. The "Fishing, hunting, trapping" group of the C.C.D.O. corresponds 100% to the "Fishermen, trappers and hunters" group of the former classification and inversely, this last group corresponds 100% to the C.C.D.O. group. However, there are four other groups included in the homogeneous groups. The "Farming, horticulture and animal husbandry" group of the C.C.D.O. corresponds 99% to the former "Farmers and farm workers" group and 100% of this group is found in the C.C.D.O. group. The former "Clerical" group corresponds 99% to the "Clerical" group of the C.C.D.O. and this last group corresponds 94% to the first. At a lower degree of homogeneity we find the "Transport equipment operation" group and the "Mining and quarrying" group of the new classification corresponding respectively to the "Transport" group and the "Miners, quarrymen and related workers" group of the former classification.

2) Semi-homogeneous groups

In this category where more than 80% of the former group represents more than 80% of the new group, we have "Service and recreational" corresponding to the new "Service" group and the former "Loggers and related workers" group corresponding to the new "Forestry and logging" group. Regarding these two last groups, we see that 100% of the old group (Loggers) is contained in the new group (Forestry) but added to these are 10% which used to belong to the "Craftsmen" classification, 7% to the "Labourers" groups and 2% belonging to the "Managerial" category.

Seven of the thirteen groups of the former classification have been included in the homogeneous and semi-homogeneous categories. Let us now look at the statistical movements which exist between the six other groups of the former classification and the C.C.D.O.

Pour faciliter l'analyse, on a divisé le continuum en trois catégories:

- 1) groupes homogènes: comprend les groupes de professions qui présentent une homogénéité de plus de 90%;
- 2) groupes semi-homogènes: comprend les groupes de professions qui présentent une homogénéité s'échelonnant entre 80% et 90%;
- 3) groupes non homogènes: comprend les groupes de professions qui présentent une homogénéité de moins de 80%.

1) Groupes homogènes

Il n'y a qu'un groupe qui soit parfaitement homogène. Le groupe "Pêche, chasse, piégeage" de la C.D.C.P. correspond en effet à 100% au groupe "Pêcheurs, piégeurs et chasseurs" de l'ancienne classification et inversement, ce dernier groupe correspond à 100% au groupe de la C.D.C.P. Cependant, il existe quatre autres groupes qui constituent des groupes homogènes. Le groupe "Agriculture, horticulture et élevage" de la C.D.C.P. correspond à 99% à l'ancien groupe "Cultivateurs et travailleurs agricoles" et on retrouve 100% de ce groupe dans le groupe de la C.D.C.P. L'ancien groupe "Employés de bureau" correspond à 99% au groupe "Travail administratif" de la C.D.C.P. et ce dernier groupe correspond à 94% au premier. A un degré moindre d'homogénéité, nous avons les groupes "Transports", et "Mines, carrières, puits de pétrole et de gaz" de la nouvelle classification qui correspondent respectivement aux groupes "Transports" et "Mineurs, carriers et travailleurs assimilés" de l'ancienne classification.

2) Groupes semi-homogènes

Dans cette catégorie où plus de 80% de l'ancien groupe représente plus de 80% du nouveau groupe, nous retrouvons "Travailleurs des services et des activités récréatives" correspondant au nouveau groupe "Services" et l'ancien groupe "Bûcherons et travailleurs assimilés" correspondant au nouveau groupe "Exploitation forestière". Pour ce qui est de ces deux derniers groupes, on constate que 100% de l'ancien groupe (Bûcherons) est compris dans le nouveau groupe mais qu'à cette catégorie (Exploitation forestière) s'ajoute 10% appartenant auparavant à la catégorie "Ouvriers de métier", 7% du groupe "Manoeuvres" et 2% de la catégorie "Administrateurs".

Sept des treize groupes de l'ancienne classification se retrouvent donc dans les groupes homogènes et semi-homogènes. Examinons maintenant les mouvements statistiques qui existent entre les six autres groupes de l'ancienne classification et ceux de la C.D.C.P.

Non-homogeneous groups

1) Managerial

Following a more rigorous definition regarding the power of decision of the first C.C.D.O. group, "Managerial and Administrative", only 38% of the former "Managerial" group correspond to this new group. A large proportion (36%) of this former group is found in the new "Sales" group.

2) Professional and Technical

This group is much more detailed in the new classification than in the former classification. Indeed, the first seven groups of the C.C.D.O. correspond largely to this group. For example, 2% of professions which used to be engulfed in this large category become at the same time a more restricted and precise group entitled "Religion". In four new C.C.D.O. groups (Natural sciences, engineering and mathematics, Social sciences, Religion and Teaching), over 97% of each group were persons formerly classified in the "Professional and technical" category.

3) Sales

This former category is all contained in the new category entitled "Sales". This new group is larger than the former "Sales" group because its manpower is made of 31% of the former "Managerial" category and 3% from the former "Transport" group.

4) Communication

A large proportion (89%) of the persons working in professions which belonged to this former classification are now part of the group entitled "Clerical" and make up 4% of the manpower of this new group.

5) Craftsmen

This old category of workers which was the most important from the numerical standpoint, now makes up between 75% and 91% of the manpower of six new categories. For example, 36% of the persons previously belonging to the "Craftsmen" category now make up more than 90% of the manpower assigned to "Product fabricating".

6) Labourers

The highest proportion (32%) of this former group is now found in the "Construction" category. Unlike the preceding group, this one has not created any other particular group but has been divided into more precise types of employment.

Groupes non homogènes

1) Administrateurs

Par suite d'une définition plus stricte du pouvoir de décision pour le premier groupe de la C.D.C.P. "Direction, administration" seulement 38% de l'ancien groupe "Administrateurs" correspond à ce nouveau groupe; on retrouve une grande partie (36%) de cet ancien groupe dans le nouveau groupe "Commerce".

2) Professions libérales et techniciens

Ce groupe est beaucoup plus détaillé dans la nouvelle classification que dans l'ancienne. De fait, à ce groupe correspondent en gros les sept premiers groupes de la C.D.C.P. Par exemple, 2% des professions qui étaient auparavant absorbées par cette grande catégorie constituent maintenant un groupe à la fois plus restreint et plus précis intitulé "Religion". Dans le cas de quatre nouveaux groupes de la C.D.C.P. (Sciences naturelles, génie et mathématiques, Sciences sociales, Religion et Enseignement), plus de 97% de chacun rend compte de personnes auparavant classées dans la catégorie "Professions libérales et techniciens".

3) Vendeurs

Cette ancienne catégorie est entièrement comprise dans la nouvelle catégorie intitulée "Commerce". Ce nouveau groupe est plus vaste que l'ancien groupe "Vendeurs" car 31% de son effectif se composent de professions qui appartenaient auparavant à l'ancienne catégorie "Administrateurs" et 3% appartenaient au groupe "Transports".

4) Communications

Une grande proportion (89%) des personnes exerçant des professions classées dans cette ancienne catégorie font maintenant partie du groupe intitulé "Travail administratif" et représentent 4% de son effectif.

5) Ouvriers de métier et artisans

Cette ancienne catégorie de travailleurs qui était la plus importante du point de vue numérique intervient maintenant pour 75% à 91% des effectifs de six nouvelles catégories. Par exemple, 36% des personnes qui faisaient auparavant partie de la catégorie "Ouvriers de métier" constituent maintenant plus de 90% de l'effectif de "Fabrication de produits finis".

6) Manoeuvres

La proportion la plus élevée de travailleurs (32%) de cet ancien groupe se retrouve maintenant dans la catégorie "Construction". Contrairement au groupe précédent, celui-ci n'a donné naissance à aucun groupe particulier mais a été réparti selon des types d'emploi plus précis.

In general, this group has been divided into the same groups as the "Craftsmen". These two groups (Craftsmen and Labourers) which used to differ on the basis of their degree of specialization, will now differ by the field or type of employment.

As revealed by this article, many difficulties were encountered in linking the former classification and the new classification over a three month period. The reader should be wary of applying the proportion derived from this study, for the purpose of backward and forward linkage as the proportion changes over time. The shift in the proportion may be due to seasonal factors and trend factors. (For example, in March 1973, the former group "Transport" corresponds in the new group "Transport" in a proportion of 93.0% while in June that proportion was down to 91.7%). Even though the new classification has the disadvantage of starting only in January 1973, it will provide more detailed occupational data for labour force survey users and it will offer the analytical advantage of a more widely used coding system.

En général, ce groupe a fait l'objet d'une répartition semblable à celle des "Ouvriers de métier et artisans". Ces deux groupes (Manoeuvres, Ouvriers de métier et artisans) qui différaient auparavant selon le degré de spécialisation, différeront maintenant selon le domaine ou le type d'emploi.

Comme il ressort de cet article, on a éprouvé de nombreuses difficultés à rapprocher l'ancienne et la nouvelle classification sur une période de 3 mois. Ce n'est qu'avec une grande circonspection que le lecteur devra utiliser les proportions tirées de cette étude pour établir un enchaînement régressif et progressif car la proportion varie dans le temps. Le déplacement de la proportion peut être dû à des facteurs saisonniers et à des facteurs tendanciels. (Par exemple, en mars 1973, l'ancien groupe "Transports" correspond au nouveau groupe "Transports" dans une proportion de 93,0% tandis qu'en juin cette proportion n'est que de 91,7%). Même si la nouvelle classification présente l'inconvénient de ne commencer qu'en janvier 1973, elle fournira des données plus détaillées sur la profession des travailleurs aux utilisateurs de la statistique de l'enquête sur la population active et offrira du point de vue analytique les avantages d'un système de codage d'un emploi beaucoup plus généralisé.

(1) Similar to the one used by the 1961 census whose basic manual is: "Occupational Classification Manual, Census of Canada, 1961, D.B.S." cat. no. 12-506. The series under this classification are available from 1961.

(2) This classification has been prepared jointly by the Department of Manpower and Immigration and by the then Dominion Bureau of Statistics and was used at the time of the 1971 census. The category numbers of the volumes which were used for the coding of the census are: 12-536 vol. I, 12-537 vol. II.

(1) Semblable à celui utilisé pour le recensement de 1961 et dont le manuel de base est: "Occupational Classification Manual, Census of Canada, 1961, D.B.S." n° 12-506 au catalogue. Les séries sous ce système sont disponibles depuis 1961.

(2) Cette classification a été préparée par le ministère de la Main-d'oeuvre et de l'Immigration et par le Bureau fédéral de la statistique et a servi lors du recensement de 1971. Les numéros de répertoire des volumes utilisés sous le codage du recensement sont: 12-536, vol. I, et 12-537, vol. II.

TABLE S-1. Employed by occupation, 1961 census classification by C.C.D.O., Canada, second quarter 1973

Code		All occupations Toutes professions	Managerial Adminis- trateurs	Professional and technical Professions libérales et techniciens	Clerical Employés de bureau	Sales Vendeurs	Service and recrea- tional Travail- leurs des services et des activités récréatives	Transport Transports	Communi- cation Communi- cations
		thousands							
	All occupations	8,827	829	1,276	1,382	623	1,070	392	70
11	Nonmanagerial, administrative ...	494	319	167	2	1	-	-	-
21	Natural sciences, engineering and mathematics.	282	2	274	-	-	-	-	-
23	Social sciences	99	-	97	1	-	-	-	-
25	Religion	30	-	30	-	-	-	-	-
27	Teaching	381	-	375	-	-	3	-	-
31	Medicine and health	385	-	255	8	-	120	-	-
33	Artistic literary, and recreational occupations.	96	7	71	-	-	15	-	2
41	Clerical	1,445	12	2	1,365	2	1	1	62
51	Sales	951	298	1	1	620	2	26	-
61	Service	1,055	76	-	3	-	928	-	-
71	Farming, horticultural and animal husbandry.	533	-	-	-	-	-	-	-
73	Fishing, hunting, trapping ...	29	-	-	-	-	-	-	-
75	Forestry and logging	61	1	-	-	-	-	-	-
77	Mining and quarrying	48	2	-	-	-	-	-	-
81 82	Processing	390	12	-	-	-	-	-	-
83	Machining	254	3	-	-	-	-	-	-
85	Product fabricating, assem- bling and repairing.	866	32	-	-	-	-	1	-
87	Construction trades	653	39	-	-	-	-	-	-
91	Transport equipment operation	384	13	-	1	-	-	362	2
93	Materials handling	258	8	-	-	-	-	1	-
95	Other crafts and equipment operating.	134	5	2	-	-	-	-	4

TABLEAU S-1, Personnes occupées par profession, classification du recensement de 1961 selon le C.D.C.P., deuxième trimestre, 1973

Farmers and farm workers Cultivateurs et travailleurs agricoles	Loggers and related workers Bûcherons et travailleurs assimilés	Fishermen, trappers and hunters Pêcheurs, piégeurs, et chasseurs	Miners, quarrymen and related workers Mineurs, carriers et travailleurs assimilés	Craftsmen, production process and related workers Ouvriers de métier, artisans, ouvriers de la production et travailleurs assimilés	Labourers and unskilled workers (not in primary industries) Manoeuvres et travailleurs non spécialisés (sauf industries primaires)		Code
milliers							
531	49	29	50	2,204	323	Toutes professions	
-	-	-	-	4	-	Direction, administration	11
-	-	-	-	-	6	Sciences naturelles, génie et mathématiques ...	21
-	-	-	-	-	-	Sciences sociales	23
-	-	-	-	-	-	Religion	25
-	-	-	-	2	-	Enseignement	27
-	-	-	-	1	-	Médecine et santé	31
-	-	-	-	1	-	Arts plastiques, décoratifs, littéraires, et activités récréatives.	33
-	-	-	-	-	1	Travail administratif	41
-	-	-	-	-	3	Commerce	51
-	-	-	-	16	31	Services	61
531	-	-	-	1	1	Agriculture, horticulture et élevage	71
-	-	29	-	-	-	Pêche, chasse, piégeage	73
-	49	-	-	6	4	Exploitation forestière	75
-	-	-	45	1	1	Mines, carrières, puits de pétrole et de gaz ..	77
-	-	-	5	314	59	Traitement des matières premières	81 82
-	-	-	-	246	5	Usinage des matières premières	83
-	-	-	-	786	47	Fabrication, montage et réparation de produits finis.	85
-	-	-	-	510	103	Construction	87
-	-	-	-	4	2	Transports	91
-	-	-	-	194	56	Manutention	93
-	-	-	-	117	6	Conduite de machines et d'appareils divers	95

TABLE S-2. Employed by occupation, 1961 census classification by C.C.D.O., Canada, second quarter 1973

Code	All occupations — Toutes professions	Managerial — Administrateurs	Professional and technical — Professions libérales et techniciens	Clerical — Employés de bureau	Sales — Vendeurs	Service and recreational — Travailleurs des services et des activités récréatives	Transport — Transports	Communication — Communications
	per cent							
	All occupations	100	100	100	100	100	100	100
11	Managerial, administrative ...	6	38	13	—	—	—	—
21	Natural sciences, engineering and mathematics.	3	—	21	—	—	—	—
23	Social sciences	1	—	8	—	—	—	—
25	Religion	—	—	2	—	—	—	—
27	Teaching	4	—	29	—	—	—	—
31	Medicine and health	4	—	20	1	11	—	—
33	Artistic, literary, and recreational occupations.	1	1	6	—	1	—	3
41	Clerical	16	1	—	99	—	—	89
51	Sales	11	36	—	—	100	7	—
61	Service	12	9	—	—	87	—	—
71	Farming, horticultural and animal husbandry.	6	—	—	—	—	—	—
73	Fishing, hunting, trapping ...	—	—	—	—	—	—	—
75	Forestry and logging	1	—	—	—	—	—	—
77	Mining and quarrying	1	—	—	—	—	—	—
81	Processing	4	1	—	—	—	—	—
82								
83	Machining	3	—	—	—	—	—	—
85	Product fabricating, assembling and repairing.	10	4	—	—	—	—	—
87	Construction trades.....	7	5	—	—	—	—	—
91	Transport equipment operation	4	2	—	—	—	92	3
93	Materials handling	3	1	—	—	—	—	—
95	Other crafts and equipment operating.	2	1	—	—	—	—	6

TABLEAU S-2. Personnes occupées par profession, classification du recensement de 1961 selon le C.D.C.P., deuxième trimestre 1973

Farmers and farm workers — Cultivateurs et travailleurs agricoles	Loggers and related workers — Bocherons et travailleurs assimilés	Fishermen, trappers and hunters — Pêcheurs, piégeurs, et chasseurs	Miners, quarrymen and related workers — Mineurs, carriers et travailleurs assimilés	Craftsmen, production process and related workers — Ouvriers de métier, artisans, ouvriers de la production et travailleurs assimilés	Labourers and unskilled workers (not in primary industries) — Manoeuvres et travailleurs non spécialisés (sauf industries primaires)		Code
pourcentage							
100	100	100	100	100	100	Toutes professions	
-	-	-	-	-	-	Direction, administration	11
-	-	-	-	-	2	Sciences naturelles, génie et mathématiques ...	21
-	-	-	-	-	-	Sciences sociales	23
-	-	-	-	-	-	Religion	25
-	-	-	-	-	-	Enseignement	27
-	-	-	-	-	-	Médecine et santé	31
-	-	-	-	-	-	Arts plastiques, décoratifs, littéraires et activités récréatives.	33
-	-	-	-	-	-	Travail administratif	41
-	-	-	-	-	1	Commerce	51
-	-	-	-	1	10	Services	61
100	-	-	-	-	-	Agriculture, horticulture et élevage	71
-	-	100	-	-	-	Pêche, chasse, piégeage	73
-	100	-	-	-	1	Exploitation forestière	75
-	-	-	90	-	-	Mines, carrières, puits de pétrole et de gaz ..	77
-	-	-	10	14	18	Traitement des matières premières	81 82
-	-	-	-	11	2	Usinage des matières premières	83
-	-	-	-	36	15	Fabrication, montage et réparation de produits finis.	85
-	-	-	-	23	32	Construction	87
-	-	-	-	-	1	Transports	91
-	-	-	-	9	17	Manutention	93
-	-	-	-	5	2	Conduite de machines et d'appareils divers	95

TABLE S-3. Employed by occupation, 1961 census classification by C.C.D.O., Canada, second quarter 1973

Code	All occupations — Toutes professions	Managerial — Administrateurs	Professional and technical — Professions libérales et techniciens	Clerical — Employés de bureau	Sales — Vendeurs	Service and recreational — Travailleurs des services et des activités récréatives	Transport — Transports	Communication — Communications	
	per cent								
	All occupations	100	9	14	16	7	12	4	1
11.	Managerial, administrative ...	100	65	34	—	—	—	—	—
21	Natural sciences, engineering and mathematics.	100	1	97	—	—	—	—	—
23	Social sciences	100	—	98	1	—	—	—	—
25	Religion	100	—	100	—	—	—	—	—
27	Teaching	100	—	98	—	—	1	—	—
31	Medicine and health	100	—	66	2	—	31	—	—
33	Artistic, literary, and recreational occupations.	100	7	74	—	—	16	—	2
41	Clerical	100	1	—	94	—	—	—	4
51	Sales	100	31	—	—	65	—	3	—
61	Service	100	7	—	—	—	88	—	—
71	Farming, horticultural and animal husbandry.	100	—	—	—	—	—	—	—
73	Fishing, hunting, trapping ...	100	—	—	—	—	—	—	—
75	Forestry and logging	100	2	—	—	—	—	—	—
77	Mining and quarrying	100	4	—	—	—	—	—	—
81	Processing	100	3	—	—	—	—	—	—
82									
83	Machining	100	1	—	—	—	—	—	—
85	Product fabricating, assembling and repairing.	100	4	—	—	—	—	—	—
87	Construction trades.....	100	6	—	—	—	—	—	—
91	Transport equipment operation	100	3	—	—	—	—	94	1
93	Materials handling	100	3	—	—	—	—	—	—
95	Other crafts and equipment operating.	100	4	1	—	—	—	—	3

TABLEAU S-3. Personnes occupées par profession, classification de recensement de 1961 selon le C.D.C.P., deuxième trimestre 1973

Farmers and farm workers — Cultivateurs et travailleurs agricoles	Loggers and related workers — Bûcherons et travailleurs assimilés	Fishermen, trappers and hunters — Pêcheurs, piégeurs, et chasseurs	Miners, quarrymen and related workers — Mineurs, carriers et travailleurs assimilés	Craftsmen, production process and related workers — Ouvriers de métier, artisans, ouvriers de la production et travailleurs assimilés	Labourers and unskilled workers (not in primary industries) — Manoeuvres et travailleurs non spécialisés (sauf industries primaires)		Code
pourcentage							
6	1	—	1	25	4	Toutes professions	
—	—	—	—	1	—	Direction, administration	11
—	—	—	—	—	2	Sciences naturelles, génie et mathématiques ...	21
—	—	—	—	—	—	Sciences sociales	23
—	—	—	—	—	—	Religion	25
—	—	—	—	1	—	Enseignement	27
—	—	—	—	—	—	Médecine et santé	31
—	—	—	—	1	—	Arts plastiques, décoratifs, littéraires, et activités récréatives.	33
—	—	—	—	—	—	Travail administratif	41
—	—	—	—	—	—	Commerce	51
—	—	—	—	2	3	Services	61
100	—	—	—	—	—	Agriculture, horticulture et élevage	71
—	—	100	—	—	—	Pêche, chasse, piégeage	73
—	80	—	—	10	7	Exploitation forestière	75
—	—	—	94	2	2	Mines, carrières, puits de pétrole et de gaz ..	77
—	—	—	1	81	15	Traitement des matières premières	81 82
—	—	—	—	97	2	Usinage des matières premières	83
—	—	—	—	91	5	Fabrication, montage et réparation de produits finis.	85
—	—	—	—	78	16	Construction	87
—	—	—	—	1	1	Transporta	91
—	—	—	—	75	22	Manutention	93
—	—	—	—	87	4	Conduite de machines et d'appareils divers	95

APPENDIX F

Framework of Canadian Input-Output Tables

CHART I

The Accounting Framework of Canadian Input-Output Tables

	Commodities	Industries	Final demand categories								Total
			PE	FCF	VPCW	VPCA	GGCE	X	Less M	Less GR	
Commodities		U	F								q
Industries	V										g
Commodity indirect taxes Other indirect taxes Less subsidies Wages and salaries Supplementary labour income Net income of Unincorporated business Other operating surplus		YI	YF								n
Total	q'	g'	c'								

Final Demand Categories

- PE - Personal expenditure on goods and services
- FCF - Fixed capital formation, business and government
- VPCW - Value of physical change in inventories, withdrawals
- VPCA - Value of physical change in inventories, additions
- GGCE - Gross government current expenditure on goods and services
- X - Domestic exports plus re-exports of goods and services
- M - Imports of goods and services
- GR - Government revenue from sale of goods and services

Notation

- V: is a matrix of the values of outputs
- U: is a matrix of the values of intermediate inputs
- F: is a matrix of the values of commodity inputs of final demand categories
- YI: is a matrix of the values of primary inputs of industries
- YF: is a matrix of the values of primary inputs of final demand categories
- q: is a vector of the values of total commodity outputs
- g: is a vector of the values of total industry outputs
- c: is a vector of the values of total inputs (commodities plus primary) of final demand categories
- n: is a vector of the values of total primary inputs (industries plus final demand categories)

GLOSSARY

Matrices

- V: is a matrix of the values of commodity outputs. In it, each row shows the distribution by commodity of the output of an industry; each column shows the distribution by industry of the output of a commodity. The data relate to domestic output only. The gross output of an industry is the aggregate value of goods and services produced and work done by the industry. It is equal to the value of industry's sales plus any increase (less any decrease) in the value of physical change in stocks of finished products and work in progress.
- U: is a matrix of the values of intermediate commodity inputs. In it, each row shows the distribution by industry of the input of a commodity, each column shows the distribution by commodity of the input of an industry.
- F: is a matrix of the values of commodity inputs of final demand categories: personal expenditure on consumer goods and services; fixed capital formation, business and government; value of physical change in inventories, withdrawals and additions; gross government current expenditure on goods and services; exports; imports; and government revenue from the sales of goods and services.
- YI: is a matrix of the values of primary inputs of industries. Primary inputs are those inputs which are not current outputs of other industries. These are indirect taxes, subsidies, wages and salaries, supplementary labour income, net income of unincorporated business and other operating surplus. (In this report, the term "other operating surplus" and "surplus" have been used interchangeably.)
- YF: is a matrix of the values of the primary inputs associated with final demand categories. These consist of indirect taxes, labour income, and depreciation which is part of surplus. The labour income includes wages and salaries and supplementary labour income paid by the government and personal sectors. The estimate of surplus (depreciation) relates to the government sector and non-profit institutions in the personal sector.

Industry - An industry is defined as a group of operating units (establishments) engaged in the same or similar kind(s) of economic activity, e.g., coal mines, clothing factories, department stores, laundries. In the Input-Output Tables only domestic industries which primarily produce goods and services for sale at a price which is normally intended to cover their cost of production are included; also included are entities, such as owner-occupants of housing and subsistence farming, which produce goods and services similar to and use processes and resources similar to typical industries even though they do not produce for market. Other entities, although listed in the Standard Industrial Classification, are not included as industries in the Input-Output Tables as they do not meet the above criteria; examples are most government departments, public hospitals, schools (except private) and universities.

Commodity - A commodity is defined as a good or service normally intended for sale on the market at a price designed to cover the cost of production.

Establishment - An establishment is defined as the smallest unit that is a separate operating entity capable of reporting all elements of basic industrial statistics - the main elements of input and output. It is typically a factory, mine, store, farm, airline, hotel or similar unit and in most cases it is a separate company.

Purchasers' prices - The cost of goods and services in the market to the point of delivery to the purchaser. The purchasers' price can vary with circumstances, e.g., where the purchaser picks up the commodity at the producer's point of shipment rather than having it hauled by a common or contract carrier at the expense of the producer.

Producers' prices - The selling price at the boundary of the producing establishment excluding sales and excise taxes levied after the final stage of processing; equals purchasers' prices less transport, trade and commodity indirect tax margins where applicable.

AGGREGATION PARAMETERS (INDUSTRIES)

INDUSTRY TITLE	L	M	S	1960 SIC	1970 SIC
00100 AGRICULTURE.....	1	1	1	001-021	001-021
00200 FORESTRY.....	2	2	2	031.039	031-039
00300 FISHING, HUNTING & TRAPPING.....	3	3	3	041-047	041-047
00400 GOLD MINES.....	4	4	4	051.052	051.052
00500 URANIUM MINES.....	5	4	4	057	057
00600 IRON MINES.....	6	4	4	058	058
00700 BASE METAL & OTHER METAL MINES.....	7	4	4	053-056.059	059
00800 COAL MINES.....	8	5	4	061	061
00900 PETROLEUM & GAS WELLS.....	9	5	4	063-066	064
01000 ASBESTOS MINES.....	10	6	4	071	071
01100 GYPSUM MINES.....	11	6	4	073	073
01200 SALT MINES.....	12	6	4	077	0793
01300 OTHER NON-METAL MINES.....	13	6	4	079	072,0791,0792,0794,0799
01400 QUARRIES & SAND PITS.....	14	6	4	083.087	083.087
01500 SERVICES INCIDENTAL TO MINING.....	15	7	4	092-099	096,098,099
01600 SLAUGHTERING & MEAT PROCESSORS.....	16	8	5	101	1011
01700 POULTRY PROCESSORS.....	17	8	5	103	1012
01800 DAIRY FACTORIES.....	18	8	5	105,107	104
01900 FISH PRODUCTS INDUSTRY.....	19	8	5	111	102
02000 FRUIT & VEGETABLE PROCESSING.....	20	8	5	112	103
02100 FEED MFGRS.....	21	8	5	123	106
02200 FLOUR & BREAKFAST CEREALS IND.....	22	8	5	124,125	105
02300 BISCUIT MFGRS.....	23	8	5	128	1071
02400 BAKERIES.....	24	8	5	129	1072
02500 CONFECTIONERY MFGRS.....	25	8	5	131	1081
02600 SUGAR REFINERIES.....	26	8	5	133	1082
02700 VEGETABLE OIL MILLS.....	27	8	5	135	1083
02800 MISCELLANEOUS FOOD INDUSTRIES.....	28	8	5	139	1089
02900 SOFT DRINK MFGRS.....	29	8	5	141	1091
03000 DISTILLERIES.....	30	8	5	143	1092
03100 BREWERIES.....	31	8	5	145	1093
03200 WINERIES.....	32	8	5	147	1094
03300 LEAF TOBACCO PROCESSING.....	33	9	5	151	151
03400 TOBACCO PRODUCTS MFGRS.....	34	9	5	153	153
03500 RUBBER FOOTWEAR MFGRS.....	35	10	5	161	1624
03600 TIRE & TUBE MFGRS.....	36	10	5	163	1623
03700 OTHER RUBBER INDUSTRIES.....	37	10	5	169	1629
03800 PLASTIC FABRICATORS, NES.....	38	10	5	385	165
03900 LEATHER TANNERIES.....	39	11	5	172	172
04000 SHOE FACTORIES.....	40	11	5	174	174
04100 LEATHER GLOVE FACTORIES.....	41	11	5	175	175
04200 SMALL LEATHER GOODS MFGRS.....	42	11	5	179	179
04300 COTTON YARN & CLOTH MILLS.....	43	12	5	183	181
04400 WOOL YARN & CLOTH MILLS.....	44	12	5	193,197	182
04500 SYNTHETIC TEXTILE MILLS.....	45	12	5	201	183
04600 FIBRE PREPARING MILLS.....	46	12	5	211	1851
04700 THREAD MILLS.....	47	12	5	212	1891
04800 CORDAGE & TWINE INDUSTRY.....	48	12	5	213	184
04900 NARROW FABRIC MILLS.....	49	12	5	214	1892
05000 PRESSED & PUNCHED FELT MILLS.....	50	12	5	215	1852
05100 CARPET, MAT & RUG INDUSTRY.....	51	12	5	216	186
05200 TEXTILE DYEING & FINISHING.....	52	12	5	218	1894
05300 CANVAS PRODUCTS INDUSTRY.....	53	12	5	221	1872
05400 COTTON & JUTE BAG INDUSTRY.....	54	12	5	223	1871
05500 MISCELLANEOUS TEXTILE IND.....	55	12	5	229	188,1893,1899
05600 HOSIERY MILLS.....	56	13	5	231	231
05700 OTHER KNITTING MILLS.....	57	13	5	239	2391,2392
05800 CLOTHING INDUSTRIES.....	58	14	5	242-249	243-249
05900 SAWMILLS.....	59	15	5	251	251
06000 VENEER & PLYWOOD MILLS.....	60	15	5	252	252
06100 SASH & DOOR & PLANING MILLS.....	61	15	5	254	254
06200 WOODEN BOX FACTORIES.....	62	15	5	256	256
06300 COFFIN & CASKET INDUSTRY.....	63	15	5	258	258
06400 MISCELLANEOUS WOOD INDUSTRIES.....	64	15	5	259	259
06500 HOUSEHOLD FURNITURE INDUSTRY.....	65	16	5	261	261
06600 OFFICE FURNITURE INDUSTRY.....	66	16	5	264	264
06700 OTHER FURNITURE INDUSTRIES.....	67	16	5	266	266
06800 ELECTRIC LAMP & SHADE INDUSTRY.....	68	16	5	268	268
06900 PULP & PAPER INDUSTRY.....	69	17	5	271	271
07000 ASPHALT AND RELATED PRODUCTS.....	70	17	5	272	272
07100 PAPER BOX & BAG MFGRS.....	71	17	5	273	273
07200 OTHER PAPER CONVERTERS.....	72	17	5	274	274
07300 PRINTING & PUBLISHING.....	73	18	5	286,288,289	286,288,289
07400 ENGRAVING, STEREOTYPING IND.....	74	18	5	287	287
07500 IRON & STEEL INDUSTRY.....	75	19	5	291	291
07600 STEEL PIPE & TUBE MILLS.....	76	19	5	292	292
07700 IRON FOUNDRIES.....	77	19	5	294	294
07800 ALUMINUM SMELTING & REFINING.....	78	19	5	295	295
07900 OTHER SMELTING & REFINING.....	79	19	5	295	295
08000 ALUMINUM ROLLING & EXTRUDING.....	80	19	5	296	296
08100 COPPER & ALLOY ROLLING.....	81	19	5	297	297
08200 METAL CASTING & EXTRUDING NES.....	82	19	5	298	298
08300 BOILER & PLATE WORKS.....	83	20	5	301	301
08400 FABRICATED STRUCT. METAL IND.....	84	20	5	302	302
08500 ORNAMENTAL & ARCH. METAL IND.....	85	20	5	303	303
08600 METAL STAMP, PRESS, & COAT IND.....	86	20	5	304	304
08700 WIRE & WIRE PRODUCTS MFGRS.....	87	20	5	305	305
08800 HARDWARE TOOL & CUTLERY MFGRS.....	88	20	5	306	306
08900 HEATING EQUIPMENT MFGRS.....	89	20	5	307	307
09000 MACHINE SHOPS.....	90	20	5	308	308
09100 MISC. METAL FABRICATING IND.....	91	20	5	309	309
09200 AGRICULTURAL IMPLEMENT IND.....	92	21	5	311	311
09300 MISC. MACHINERY & EQUIP. MFGRS.....	93	21	5	315	315
09400 COM. REFRIG & AIR COND. MFGRS.....	94	21	5	316	316
09500 OFFICE & STORE MACHINERY MFGRS.....	95	21	5	318	318
09600 AIRCRAFT & PARTS MFGRS.....	96	22	5	321	321

AGGREGATION PARAMETERS (INDUSTRIES)

INDUSTRY TITLE	L	M	S	1960 SIC	1970 SIC
09700 MOTOR VEHICLE MFGRS.....	97	22	5	323	323
09800 TRUCK BODY & TRAILER MFGRS.....	98	22	5	324	324
09900 MOTOR VEH. PTS & ACCESS. MFGRS.....	99	22	5	325	325
10000 RAILROAD ROLLING STOCK IND.....	100	22	5	326	326
10100 SHIPBUILDING & REPAIR.....	101	22	5	327	327
10200 MISC. TRANSP. EQUIP. IND.....	102	22	5	328,329	328,329
10300 SMALL ELECTRICAL APPLIANCES.....	103	23	5	331	331
10400 MAJOR APPLIANCES ELECT.& NON.....	104	23	5	332	332
10500 RADIO & TELEVISION RECEIVERS.....	105	23	5	334	334
10600 COMMUNICATIONS EQUIPMENT MFGRS.....	106	23	5	335	335
10700 MFGRS OF ELECT. IND. EQUIP.....	107	23	5	336	336
10800 BATTERY MFGRS.....	108	23	5	337	3391
10900 MFGRS OF ELECTRIC WIRE & CABLE.....	109	23	5	338	338
11000 MFGRS OF MISC. ELECT. PRODUCTS.....	110	23	5	339	333,3399
11100 CEMENT MFGRS.....	111	24	5	341	352
11200 LIME MFGRS.....	112	24	5	343	358
11300 CONCRETE PRODUCTS MFGRS.....	113	24	5	347	354
11400 READY-MIX CONCRETE MFGRS.....	114	24	5	348	355
11500 CLAY PRODUCTS MFGRS.....	115	24	5	351	351
11600 REFRACTORIES MFGRS.....	116	24	5	352	3591
11700 STONE PRODUCTS MFGRS.....	117	24	5	353	353
11800 OTHER NON-METALLIC PRODUCTS IND.....	118	24	5	345,354,355,359	3599
11900 GLASS & GLASS PRODUCTS MFGRS.....	119	24	5	356	356
12000 ABRASIVES MFGRS.....	120	24	5	357	357
12100 PETROLEUM REFINERIES.....	121	25	5	365	365
12200 OTHER PETROL & COAL PROD. IND.....	122	25	5	369	369
12300 MFGRS. OF MIXED FERTILIZERS.....	123	26	5	372	372
12400 MFGRS. OF PLAST. & SYNTH. RES.....	124	26	5	373	373
12500 MFGRS. OF PHARM. & MEDICINES.....	125	26	5	374	374
12600 PAINT & VARNISH MFGRS.....	126	26	5	375	375
12700 MFGRS. OF SOAP & CLEANING COMP.....	127	26	5	376	376
12800 MFGRS. OF TOILET PREPARATIONS.....	128	26	5	377	377
12900 MFGRS. OF INDUSTRIAL CHEMICALS.....	129	26	5	378	378
13000 OTHER CHEMICAL INDUSTRIES.....	130	26	5	371,379	379
13100 SCIENT. & PROF. EQUIP. MFGRS.....	131	27	5	381	391
13200 JEWELRY & SILVERWARE MFGRS.....	132	27	5	382	392
13300 BROOM BRUSH & MOP INDUSTRY.....	133	27	5	383	3991
13400 SPORTING GOODS & TOY INDUSTRY.....	134	27	5	393	393
13500 LINOLEUM & COATED FABRICS IND.....	135	27	5	219	3993
13600 SIGNS & DISPLAYS INDUSTRY.....	136	27	5	397	397
13700 MISC. MANUFACTURING IND. NES.....	137	27	5	384,395,398,399	3992,3994-3999
13800 REPAIR CONSTRUCTION.....	138	28	6	404-421	404-421
13900 RESIDENTIAL CONSTRUCTION.....	139	28	6	404-421	404-421
14000 NON-RESIDENTIAL CONSTRUCTION.....	140	28	6	404-421	404-421
14100 ROAD HIGHWAY AIRSTRIP CONST.....	141	28	6	404-421	404-421
14200 GAS AND OIL FACILITY CONST.....	142	28	6	404-421	404-421
14300 DAMS AND IRRIGATION PROJECTS.....	143	28	6	404-421	404-421
14400 RAILWAY TELEPHONE TELEGRAPH CON.....	144	28	6	404-421	404-421
14500 OTHER ENGINEERING CONSTRUCTION.....	145	28	6	404-421	404-421
14600 CONSTRUCTION OTHER ACTIVITIES.....	146	28	6	404-421	404-421
14700 AIR TRANSPORT.....	147	29	7	501-502	501-502
14800 SERVICES INCIDENTAL TO TRANSP.....	148	29	7	517,519	517,519
14900 WATER TRANSPORT.....	149	29	7	504-505	504,505
15000 RAILWAY TRANSPORT.....	150	29	7	506	503
15100 TRUCK TRANSPORT.....	151	29	7	507	506-507
15200 BUS TRANSP. INTERURBAN & RURAL.....	152	29	7	508	508
15300 URBAN TRANSIT SYSTEMS.....	153	29	7	509	509
15400 TAXICAB OPERATIONS.....	154	29	7	512	512
15500 PIPELINE TRANSPORT.....	155	29	7	515	515
15600 HIGHWAY & BRIDGE MAINTENANCE.....	156	29	7	516	516
15700 STORAGE.....	157	29	7	524-527	524,527
15800 RADIO & TEL. BROADCASTING.....	158	30	8	543	543
15900 COMMUNICATION INDUSTRIES, NES.....	159	30	8	544,545	544,545
16000 POST OFFICE.....	160	30	8	548	548
16100 ELECTRIC POWER.....	161	31	9	572	572
16200 GAS DISTRIBUTION.....	162	31	9	574	574
16300 WATER & OTHER UTILITIES.....	163	31	9	576-579	576-579
16400 WHOLESALE TRADE.....	164	32	10	602-629	602-629
16500 RETAIL TRADE.....	165	33	11	631-699	631-699
16600 OWNER OCCUPIED DWELLINGS.....	166	34	12	737	737
16700 GOVT. ROYALTIES ON NAT. RESOURCES.....	167	35	12	737	737
16800 BANKS AND CREDIT UNIONS.....	168	35	12	702	7011-7013,7016,7019
16900 INSURANCE.....	169	35	12	731	721
17000 OTHER FIN. INS. & REAL ESTATE.....	170	35	12	702,704,735	7014,7015,703,705,707,715,735,737
17100 EDUCATION & RELATED SERVICES.....	171	36	13	801-809	801-809
17200 HOSPITALS.....	172	36	13	821	821,822
17300 HEALTH SERVICES.....	173	36	13	823-827	823-827
17400 MOTION PICTURE THEATRES.....	174	37	13	851	841,842
17500 OTHER RECREATIONAL SERVICES.....	175	37	13	853-859	843-845,849
17600 PROF. SERVICES TO BUSINESS.....	176	38	13	861,864,866	861,863,864,866
17700 ADVERTISING SERVICES.....	177	38	13	862	862
17800 LAUNDRIES & CLEANERS.....	178	40	13	874	874,876
17900 ACCOMMODATION & FOOD SERVICES.....	179	39	13	875,876	881-884,886
18000 OTHER PERSONAL SERVICES.....	180	40	13	871,872,877-879	871,872,877,879
18100 PHOTOGRAPHY.....	181	40	13	893	893
18200 MISC. REPAIR & MAINTENANCE.....	182	40	13	894-897	894-898
18300 MISC. SERVICES TO BUS. & PERS.....	183	38	13	869,891,899	851-855,867,869,891,894,895,899
18400 OPERATING SUPPLIES.....	184	42	15	DUMMY INDUSTRY	DUMMY INDUSTRY
18500 OFFICE SUPPLIES.....	185	42	15	DUMMY INDUSTRY	DUMMY INDUSTRY
18600 CAFE/TERIA REQU.....	186	42	15	DUMMY INDUSTRY	DUMMY INDUSTRY
18700 TRANSPORTATION MARGINS.....	187	41	14	DUMMY INDUSTRY	DUMMY INDUSTRY
18800 LABORATORY SUPPLIES.....	188	42	15	DUMMY INDUSTRY	DUMMY INDUSTRY
18900 TRAVEL & ENTERTAINMENT.....	189	43	16	DUMMY INDUSTRY	DUMMY INDUSTRY
19000 ADVERTISING & PROMOTION.....	190	43	16	DUMMY INDUSTRY	DUMMY INDUSTRY
19100 MACHINERY REPAIR SERVICES.....	191	42	15	DUMMY INDUSTRY	DUMMY INDUSTRY

DEFINITION OF INDUSTRY AGGREGATION - S
IN TERMS OF L SEQUENTIAL NUMBERS

S-INDUSTRY NO	S - INDUSTRY TITLE	L SEQUENTIAL NO
1	AGRICULTURE	1
2	FORESTRY	2
3	FISHING,HUNTING & TRAPPING	3
4	MINES,QUARRIES & OILS WELLS	4-15
5	MANUFACTURING	16-137
6	CONSTRUCTION	138-146
7	TRANSPORTATION & STORAGE	147-157
8	COMMUNICATIONS	158-160
9	ELEC POWER,GAS,OTHER UTILITIES	161-163
10	WHOLESALE TRADE	164
11	RETAIL TRADE	165
12	FINANCE,INSURANCE,REAL ESTATE	166-170
13	COMMUNITY BUS.PERSONAL SERVICE	171-183
14	TRANSPORTATION MARGINS	187
15	OPERATING,OFFICE,LAB & FOOD	184-186, 188, 191
16	TRAVEL & ADVERTISING PROMOTION	189-190

DEFINITION OF INDUSTRY AGGREGATION - M
IN TERMS OF L SEQUENTIAL NUMBERS

M-INDUSTRY NO	M - INDUSTRY TITLE	L SEQUENTIAL NO
1	AGRICULTURE	1
2	FORESTRY	2
3	FISHING,HUNTING & TRAPPING	3
4	METAL MINES	4-7
5	MINERAL FUELS	8-9
6	NON-METAL MINES & QUARRIES	10-14
7	SERVICES INCIDENTAL TO MINING	15
8	FOOD & BEVERAGE INDUSTRIES	16-32
9	TOBACCO PRODUCTS INDUSTRIES	33-34
10	RUBBER & PLASTICS PRODUCTS IND.	35-38
11	LEATHER INDUSTRIES	39-42
12	TEXTILE INDUSTRIES	43-55
13	KNITTING MILLS	56-57
14	CLOTHING INDUSTRIES	58
15	WOOD INDUSTRIES	59-64
16	FURNITURE & FIXTURE INDUSTRIES	65-68
17	PAPER & ALLIED INDUSTRIES	69-72
18	PRINTING & PUBLISHING	73-74
19	PRIMARY METAL INDUSTRIES	75-82
20	METAL FABRICATING INDUSTRIES	83-91
21	MACHINERY INDUSTRIES	92-95
22	TRANSPORTATION EQUIPMENT IND.	96-102
23	ELECTRICAL PRODUCTS INDUSTRIES	103-110
24	NON-METALLIC MINERAL PROD. IND.	111-120
25	PETROLEUM & COAL PRODUCTS IND.	121-122
26	CHEMICAL & CHEMICAL PROD. IND.	123-130
27	MISC MANUFACTURING INDUSTRIES	131-137
28	CONSTRUCTION INDUSTRY	138-146
29	TRANSPORTATION & STORAGE	147-157
30	COMMUNICATION	158-160
31	ELEC POWER,GAS,OTHER UTILITIES	161-163
32	WHOLESALE TRADE	164
33	RETAIL TRADE	165
34	OWNER OCCUPIED DWELLINGS	166
35	OTHER FINANCE,INS. & REAL ESTATE	167-170
36	EDUCATION & HEALTH SERVICES	171-173
37	AMUSEMENT & RECREATION SERVICES	174-175
38	SERVICES TO BUSINESS MANAGEMENT	176-177, 183
39	ACCOMMODATION & FOOD SERVICES	179
40	OTHER PERSONAL & MISC SERVICES	178, 180-182
41	TRANSPORTATION MARGINS	187
42	OPERATING,OFFICE,LAB & FOOD	184-186, 188, 191
43	TRAVEL & ADVERTISING PROMOTION	189-190

AGGREGATION PARAMETERS (COMMODITIES)

COMMODITY TITLE	L	M	S
00100 CATTLE AND CALVES	1	2	2
00200 SHEEP AND LAMBS	2	2	2
00300 HOGS	3	2	2
00400 POULTRY	4	2	2
00500 OTHER LIVE ANIMALS	5	2	2
00600 RICE, UNMILLED	6	1	1
00700 WHEAT, UNMILLED	7	1	1
00800 BARLEY, OATS, RYE, CORN, GRAIN, NES	8	1	1
00900 MILK, WHOLE, FLUID, UNPROCESSED	9	3	2
01000 EGGS IN THE SHELL	10	3	2
01100 HONEY AND BEESWAX	11	3	2
01200 NUTS, EDIBLE, NOT SHELLED	12	3	2
01300 FRUITS, FRESH, EX. TROPICAL	13	3	2
01400 VEGETABLES, FRESH	14	3	2
01500 HAY, FORAGE, AND STRAW	15	3	2
01600 SEEDS EX. OIL AND SEED GRADES	16	3	2
01700 NURSERY STOCK & RELATED MAT	17	3	2
01800 OIL SEEDS, NUTS AND KERNELS	18	3	2
01900 HOPS INC. LUPULIN	19	3	2
02000 TOBACCO, RAW	20	3	2
02100 HIDE SKINS, RANCH UNDRRESSED	21	3	2
02200 WOOL IN GREASE	22	3	2
02300 SERV. INCIDENTAL TO AGR. & FORESTRY	23	3	2
02400 LOGS AND BOLTS	24	4	3
02500 POLES, PIT PROPS FENCE-POSTS ETC.	25	4	3
02600 PULPWOOD	26	4	3
02700 OTHER CRUDE WOOD MATERIALS	27	4	3
02800 CUSTOM FORESTRY	28	4	3
02900 FISH LANDINGS	29	5	4
03000 HUNTING & TRAPPING PRODUCTS	30	6	4
03100 GOLD ORES	31	8	5
03200 GOLD & ALLOYS IN PRIMARY FORM	32	8	5
03300 RADIO-ACTIVE ORES & CONCENTRATES	33	8	5
03400 IRON ORES & CONCENTRATES	34	7	5
03500 BAUXITE + ALUMINA	35	8	5
03600 METAL ORES + CONCENTRATES N.E.S.	36	8	5
03700 COAL	37	9	6
03800 CRUDE MINERAL OILS	38	10	6
03900 NATURAL GAS	39	11	6
04000 OTH. CRUDE BITUMINOUS SUBSTANCES	40	9	6
04100 SULPHUR, CRUDE & REFINED	41	12	7
04200 ASBESTOS, UNMFG. CRUDE & FIBROUS	42	12	7
04300 GYPSUM	43	12	7
04400 SALT	44	12	7
04500 PEATMOSS	45	12	7
04600 CLAY & OTHER CRUDE REFRACTORY MAT	46	12	7
04700 NATURAL ABRASIVES & INDUST. DIAMOND	47	12	7
04800 CRUDE MINERAL NES	48	12	7
04900 SAND AND GRAVEL	49	12	7
05000 STONE, CRUDE	50	12	7
05100 SERVICES INCIDENTAL TO MINING	51	13	8
05200 BEEF, VEAL, MUTT & PORK, FRESH & FROZEN	52	14	9
05300 HORSE MEAT FRESH, CHILLED, FROZEN	53	14	9
05400 MEAT, CURED	54	14	9
05500 MEAT PREP. COOKED NOT CANNED	55	14	9
05600 MEAT PREP. CANNED	56	14	9
05700 ANIMAL OILS & FATS & LARD	57	14	9
05800 MARGERINE, SHORTENING & LIKE PROD	58	14	9
05900 SAUSAGE CASINGS, NATURAL & SYNTH.	59	14	9
06000 PRIMARY TANKAGE	60	14	9
06100 FEEDS OF ANIMAL ORIGIN NES	61	14	9
06200 HIDES AND SKINS, RAW, NES	62	14	9
06300 ANIMAL MAT. FOR DRUGS & PERFUME	63	14	9
06400 CUSTOM WORK MEAT & FOOD	64	14	9
06500 POULTRY, FRESH, CHILLED, FROZEN	65	14	9
06600 POULTRY, CANNED	66	14	9
06700 MILK, WHOLE, FLUID, PROCESSED	67	15	9
06800 CREAM, FRESH	68	15	9
06900 BUTTER	69	15	9
07000 CHEESE, CHEDDAR & PROCESSED	70	15	9
07100 MILK, EVAPORATED	71	15	9
07200 ICE CREAM	72	15	9
07300 OTHER DAIRY PRODUCTS	73	15	9
07400 MUSTARD MAYONNAISE	74	15	9
07500 FISH PRODUCTS	75	16	9
07600 FRUIT, BERRIES, DRIED, CRYSTALIZED	76	17	10
07700 FRUITS & PREPARATIONS CANNED	77	17	10
07800 VEGET. FROZEN, DRIED & PRESERVED	78	17	10
07900 VEGETABLES & PREPARATIONS CANNED	79	17	10
08000 SOUPS CANNED	80	17	10
08100 INFANT & JUNIOR FOODS, CANNED	81	17	10
08200 PICKLES, RELISHES, OTHER SAUCES	82	17	10
08300 VINEGAR	83	17	10
08400 OTHER FOOD PREPARATIONS	84	17	10
08500 PRIMARY OR CONCENTRATED FEEDS	85	18	10
08600 FEED FOR COMMERCIAL LIVESTOCK	86	18	10
08700 FEEDS, GRAIN ORIGIN, N.E.S.	87	18	10
08800 FEEDS OF VEGETABLE ORIGIN NES	88	18	10
08900 PET FEEDS	89	18	10
09000 WHEAT FLOUR	90	19	10
09100 MEAL & FLOUR OF OTHER CEREALS & VEG	91	19	10
09200 BREAKFAST CEREAL PRODUCTS	92	20	10
09300 BISCUITS	93	20	10
09400 BREAD & ROLLS	94	20	10
09500 OTHER BAKERY PRODUCTS	95	20	10
09600 COCOA & CHOCOLATE	96	22	10
09700 NUTS, KERNELS & SEEDS PREPARED	97	22	10
09800 CHOCOLATE CONFECTIONERY	98	22	10
09900 OTHER CONFECTIONERY	99	22	10
10000 BEEF PULP	100	18	10

AGGREGATION PARAMETERS (COMMODITIES)

COMMODITY TITLE	L	M	S
10100 SUGAR.....	101	21	10
10200 MOLASSES,SUGAR REFINERY PROD.....	102	22	10
10300 OILSEED,MEAL & CAKE.....	103	18	10
10400 VEG. OILS & FATS, CRUDE.....	104	22	10
10500 NITROGEN FUNCTION COMPOUNDS NES.....	105	67	27
10600 MALT,MALT FLOUR&WHEAT STARCH.....	106	22	10
10700 MAPLE SUGAR&SYRUP.....	107	22	10
10800 PREPARED CAKE & SIMILAR MIXES.....	108	22	10
10900 SOUPS,DRIED&SOUP MIXES&BASES.....	109	22	10
11000 COFFEE,ROASTED,GROUND,PREPARED.....	110	22	10
11100 TEA.....	111	22	10
11200 POTATO CHIPS&SIMILAR PRODUCTS.....	112	22	10
11300 MISC FOOD NES.....	113	22	10
11400 SOFTDRINK CONCENTRATES&SYRUPS.....	114	23	11
11500 CARBONATED BEV.SOFT DRINKS.....	115	23	11
11600 ALCOHOLIC BEVERAGES DISTILLED.....	116	24	11
11700 ALCOHOL,NATURAL,ETHYL.....	117	64	27
11800 BREWERS&DISTILLERS'GRAINS.....	118	18	10
11900 ALE BEER,STOUT & PORTER.....	119	24	11
12000 WINES.....	120	24	11
12100 TOBACCO PROCESSED,UNMANUFACT.....	121	25	12
12200 CIGARETTES.....	122	26	12
12300 TOBACCO MFG EX,CIGARETTES.....	123	26	12
12400 FOOTWEAR,RUBBER AND PLASTIC.....	124	28	13
12500 TIRES & TUBES,PASSENGER CARS.....	125	27	13
12600 TIRES & TUBES,TRUCKS & BUSES.....	126	27	13
12700 TIRES & TUBES,N.E.S.....	127	27	13
12800 TIRES,RETREADING.....	128	27	13
12900 RECLAIMED RUBBER.....	129	28	13
13000 RUBBER BELTS & COATED FABRICS.....	130	28	13
13100 RUBBER SHEETING SHOE STOCK ETC.....	131	28	13
13200 HOSE & TUBING,MAINLY RUBBER.....	132	28	13
13300 RUBBER WASTE & SCRAP.....	133	28	13
13400 RUBBER END PRODUCTS NES.....	134	28	13
13500 PLASTIC PIPE FITTINGS & SHEET.....	135	29	13
13600 PLASTIC CONTAINERS&BOTTLE CAPS.....	136	29	13
13700 PREFAB. BLDGS&STRUCTURES NES.....	137	29	13
13800 PLASTIC HOSE,PAILS&END PROD,NES.....	138	29	13
13900 LEATHER.....	139	30	13
14000 FOOTWEAR,EX,RUBBER & PLASTIC.....	140	30	13
14100 LEATHER GLOVES&MITTENS EX SPORT.....	141	30	13
14200 LEATHER BELTING,SHOE STOCK.....	142	30	13
14300 LUGGAGE.....	143	30	13
14400 LEATHER HANDBAGS,WALLETS ETC.....	144	30	13
14500 YARN, COTTON.....	145	31	14
14600 YARNS MIX&BLENDED&COTTON WASTE.....	146	31	14
14700 FABRICS, BROAD WOVEN OF COTTON.....	147	32	14
14800 TIRE CORD & TIRE FABRICS.....	148	32	14
14900 NETS & NETTING.....	149	33	14
15000 BLANKETS,BEDSHEETS,TOWELS&CLOTHS.....	150	33	14
15100 YARN OF WOOL AND HAIR.....	151	31	14
15200 FABRICS,BROADWOVEN,WOOL,HAIR&MIX.....	152	32	14
15300 PAPERMAKERS' FELTS.....	153	33	14
15400 MAN MADE FIBRES.....	154	31	14
15500 POLYAMIDE RESINS (NYLON).....	155	31	14
15600 YARNS, SILK, FIBREGLASS.....	156	31	14
15700 TIRE YARNS.....	157	31	14
15800 FABRIC, WOVEN, TEXTILE FIBRES.....	158	32	14
15900 FABRICS,BROAD WOVEN,MIX&BLENDS.....	159	32	14
16000 RAGS&WASTE,COTTON&TEXTILE MAT.....	160	33	14
16100 WOOL&FINE ANIMAL HAIR,SPINNING.....	161	31	14
16200 THREAD,OF COTTON FIBRES.....	162	33	14
16300 THREAD, OF MAN-MADE FIBRES.....	163	33	14
16400 YARN&THREAD,OTHER VEG. FIBRES.....	164	31	14
16500 BALER AND BINDER TWINE.....	165	33	14
16600 OTHER CORDAGE, TWINE & ROPE.....	166	33	14
16700 NARROW FABRICS.....	167	32	14
16800 LACE FABRICS,BOBBINET & NET.....	168	32	14
16900 FELT, CARPET CUSHION.....	169	33	14
17000 CARPETING&FABRIC RUGS,MATS,ETC.....	170	33	14
17100 TEXTILE DYEING & FINISHING SER.....	171	33	14
17200 AWNINGS, OF CLOTH & PLASTIC.....	172	33	14
17300 TENTS,HAMMOCKS,SLEEP BAGS&SAILS.....	173	33	14
17400 TARPULINS & OTHER COVERS.....	174	33	14
17500 TEXTILE CONTAINERS.....	175	33	14
17600 VEGETABLE TEXTILE FIBRES NES.....	176	33	14
17700 MISC,TEXTILE FAB,MAT,INC. RAGS.....	177	33	14
17800 HOUSEHOLD TEXTILES, NES.....	178	33	14
17900 LACES AND TEXTILE PROD, N.E.S.....	179	33	14
18000 HOSIERY.....	180	34	15
18100 FABRICS,KNITTED&NETTED,ELASTIC.....	181	32	14
18200 FABRICS, KNITTED, NES.....	182	32	14
18300 KNITTED WEAR.....	183	34	15
18400 CLOTHING.....	184	35	15
18500 APPAREL ACCESSORIES&OTHER MISC.....	185	35	15
18600 FURS, DRESSED.....	186	35	15
18700 FUR PLATES, MATS AND LININGS.....	187	35	15
18800 FUR APPAREL.....	188	35	15
18900 CUSTOM TAILORING.....	189	35	15
19000 PULPWOOD CHIPS.....	190	38	16
19100 LUMBER & TIMBER.....	191	36	16
19200 RAILWAY TIES.....	192	38	16
19300 WOOD WASTE.....	193	38	16
19400 CUSTOM WOOD WORKING & MILLWORK.....	194	38	16
19500 VENEER AND PLYWOOD.....	195	37	16
19600 MILLWORK (WOODWORK).....	196	38	16
19700 WOOD FABRICATED MAT,FOR STRUCT.....	197	38	16
19800 PREFAB. BLDGS,WOOD.....	198	38	16
19900 CONTAINERS,CLOSURES&WOOD PALLETS.....	199	38	16
20000 CASKETS,COFFINS&OTHER MORT,GOODS.....	200	38	16

AGGREGATION PARAMETERS (COMMODITIES)

COMMODITY TITLE	L	M	S
20100 MISC. WOOD.....	201	38	16
20200 BARRELS & KEGS OF WOOD.....	202	38	16
20300 WOOD END PRODUCTS, NES.....	203	38	16
20400 HOUSEHOLD FURN. INCL. CAMP & LAWN.....	204	39	17
20500 OFFICE FURN. & VISIBLE RECORD EQUIP.....	205	39	17
20600 SPECIAL PURPOSE FURNITURE.....	206	39	17
20700 MISC. FURNITURE AND FIXTURES.....	207	39	17
20800 PORTABLE LAMPS RESIDENTIAL TYPE.....	208	39	17
20900 PULP.....	209	40	18
21000 NEWSPRINT PAPER.....	210	41	18
21100 OTHER PAPER FOR PRINTING.....	211	41	18
21200 FINE PAPER.....	212	41	18
21300 TISSUE & SANITARY PAPER.....	213	41	18
21400 WRAPPING PAPER.....	214	41	18
21500 PAPER BOARD.....	215	41	18
21600 BLDG. PAPER.....	216	41	18
21700 TOWELS, NAPKINS & TOILET PAPER.....	217	42	18
21800 VANILLIN.....	218	42	18
21900 MISC. IND. PAPER MAT. BY PROD. & WASTE.....	219	42	18
22000 TILES, VINYL, ASBESTOS.....	220	42	18
22100 PAPER CAR TONS, BAGS, CANS & BOTTLES.....	221	42	18
22200 CONVERTED PAPER, GUM, WAX OR PRINT.....	222	42	18
22300 CONVERTED ALUMINUM FOIL.....	223	42	18
22400 FACIAL TISSUES, & SANITARY NAPKINS.....	224	42	18
22500 PAPER CONTAINERS, NES.....	225	42	18
22600 OFFICE AND STATIONERY SUPPLIES.....	226	42	18
22700 PAPER END PRODUCTS.....	227	42	18
22800 NEWSPAPERS, MAGAZINES & PERIODICALS.....	228	43	19
22900 BOOKS, PAMPHLETS, MAPS & PICTURES.....	229	43	19
23000 BANKNOTES, BONDS, DRAFTS ETC.....	230	43	19
23100 OTHER PRINTED MATTER.....	231	43	19
23200 ADVERTISING, PRINT MEDIA.....	232	44	19
23300 SPECIALIZED PUBLISHING SERVICE.....	233	43	19
23400 PRINTING PLATES, SET TYPE ETC.....	234	43	19
23500 FERRO-ALLOYS.....	235	45	20
23600 IRON, STEEL INGOTS.....	236	45	20
23700 STEEL BLOOMS, BILLETS & SLABS.....	237	45	20
23800 STEEL CASTINGS.....	238	45	20
23900 STEEL BARS AND RODS.....	239	45	20
24000 STEEL PLATES, NOT FABRICATED.....	240	45	20
24100 CARBON STEEL SHEETS NOT COATED.....	241	45	20
24200 TIN PLATE.....	242	45	20
24300 GALVANIZED STEEL SHEET & STRIP.....	243	45	20
24400 RAILS & RLY TRACK MATERIALS, STEEL.....	244	45	20
24500 COAL TAR.....	245	63	26
24600 NAT. & SYN. GRAPHITE & CARBON PROD.....	246	49	20
24700 MECHANICAL STEEL TUBING.....	247	45	20
24800 OIL COUNTRY GOODS.....	248	45	20
24900 LINE PIPE, TRANS. NAT. GAS & OIL.....	249	45	20
25000 STEEL PIPES & TUBES NES.....	250	45	20
25100 GRINDING BALLS, INGOT MOULDS ETC.....	251	45	20
25200 CAST & WROUGHT IRON PIPE & FITTINGS.....	252	45	20
25300 NICKEL IN PRIMARY FORMS.....	253	48	20
25400 COPPER & COPPER ALLOYS, PRIME FORMS.....	254	47	20
25500 LEAD, PRIMARY FORMS.....	255	49	20
25600 ZINC & ZINC ALLOYS PRIMARY FORMS.....	256	49	20
25700 ALUMINUM & ALUMINUM ALLOYS PRIME.....	257	46	20
25800 TIN & TIN ALLOYS PRIMARY FORMS.....	258	49	20
25900 PRECIOUS METAL & ALLOYS PRIME FORM.....	259	49	20
26000 OTH. NON-FERROUS BASE METALS.....	260	49	20
26100 ALUMINUM FLUORIDES & SODIUM ALUM.....	261	49	20
26200 INORGANIC BASES & MET. OXIDES, NES.....	262	49	20
26300 SCRAP & WASTE MATERIALS NES.....	263	49	20
26400 ALUMINUM & ALUMINUM ALLOYS, CAST.....	264	46	20
26500 COPPER PROD. CAST, ROLLED & EXTRUDED.....	265	47	20
26600 COPPER ALLOY PROD. CAST, ROLL EXTR.....	266	47	20
26700 LEAD & LEAD ALLOY PROD. CAST, R & E.....	267	49	20
26800 NICKEL & NICKEL ALLOY FAB. MATERIAL.....	268	48	20
26900 TIN & TIN ALLOY FAB. MATERIALS.....	269	49	20
27000 ZINC DIE CASTING & OTH. ZINC MAT.....	270	49	20
27100 SOLDERS INC. BLOCK, RODS, WIRE, ETC.....	271	49	20
27200 PLATES, STEEL, FABRICATED.....	272	50	21
27300 TANKS.....	273	50	21
27400 POWER BOILERS.....	274	50	21
27500 BOILERS, MARINE TYPE.....	275	50	21
27600 BEAMS AND OTHER STRUCT. STEEL.....	276	51	21
27700 SCAFFOLDING EQUIP., DEMOUNTABLE.....	277	51	21
27800 PREFAB. BLDGS & STRUCT., MAINLY MET.....	278	51	21
27900 METAL PRODUCTS NES.....	279	51	21
28000 STEEL SHEET & STRIP COATED OR FAB.....	280	52	21
28100 CULVERT PIPE, CORRUGATED METAL.....	281	52	21
28200 METAL BASIC PROD. & RANGE BOILERS.....	282	52	21
28300 METAL PIPES, FITTINGS & SIDINGS.....	283	52	21
28400 METAL AWNINGS, ASH CANS, PAILS ETC.....	284	52	21
28500 KITCHEN UTENSILS.....	285	52	21
28600 CONTAINERS & BOTTLE CAPS OF METAL.....	286	52	21
28700 WIRE & WIRE ROPE, OF STEEL.....	287	52	21
28800 WIRE FENCING, SCREENING & NETTING.....	288	52	21
28900 CHAIN, EX. AUTO TIRE & POWER TRANS.....	289	52	21
29000 RODS, WIRE & ELECTRODES, WELDING.....	290	52	21
29100 SPRINGS FOR UPHOLSTERY & MISC. VEH.....	291	52	21
29200 BOLTS, NUTS, SCREWS, WASHERS ETC.....	292	52	21
29300 BUILDERS' HARDWARE.....	293	52	21
29400 FITTINGS, FURN. CABINETS & CASKETS.....	294	52	21
29500 BASIC HARDWARE, NES.....	295	52	21
29600 CUTTING & FORMING TOOLS.....	296	52	21
29700 MEASURING, EDGING, MECHANIC'S TOOL.....	297	52	21
29800 SCISSORS, RAZOR BLADES, IND. CUTLER.....	298	52	21
29900 DOMESTIC EQUIPMENT, NES.....	299	58	24
30000 HEATING EQ. HOT WATER & STEAM ETC.....	300	50	21

AGGREGATION PARAMETERS (COMMODITIES)

COMMODITY TITLE	L	M	S
30100 HEATING EQ.WARM AIR EX.PIPES&ETC	301	52	21
30200 UNIT&WATER TANK HEATERS NON-ELEC	302	52	21
30300 FUEL BURNING EQUIPMENT	303	52	21
30400 COM.APPLIANCES,COOK&WARMING FOOD	304	52	21
30500 CUSTOM METAL WORKING	305	52	21
30600 FORGINGS OF CARBON&ALLOY STEEL	306	52	21
30700 VALVES	307	52	21
30800 PIPE FITTINGS,NOT IRON & STEEL	308	52	21
30900 GAS METERS AND WATER METERS	309	52	21
31000 FIRE FIGHT&TRAFFIC CONTROL EQUIP.	310	52	21
31100 TAXI&PARK METERS,BLOCKS&LADDERS	311	52	21
31200 FIREARMS & MILITARY HARDWARE	312	52	21
31300 COLLAPSIBLE TUBES,METAL	313	52	21
31400 TRACTORS, FARM & GARDEN TYPE	314	53	22
31500 OTHER AGRICULTURAL MACHINERY	315	53	22
31600 MECHANICAL POWER TRANS.EQUIP.	316	54	22
31700 PUMPS,COMPRESSOR&BLOWERS ETC	317	54	22
31800 CONVEYORS,ESCAL,ELEV&HOIST MACH	318	54	22
31900 IND.TRUCKS,TRACTORS,TRAILERS ETC	319	54	22
32000 FANS,AIR CIRCULATORS&AIR UNITS	320	54	22
32100 PKG.MACH,LUB.EQ&OTH.MISC.MACH.	321	54	22
32200 INDUSTRIAL FURNACES,KILNS&OVENS	322	54	22
32300 MACH,IND,SPECIFIED&SPECIAL PURP.	323	54	22
32400 POWER DRIVEN HAND TOOLS	324	54	22
32500 METAL END PRODUCTS, NES	325	54	22
32600 REFRIG&AIR COND.EQ.HOUSEHOLD	326	54	22
32700 SCALES & BALANCES	327	54	22
32800 VENDING MACHINES	328	54	22
32900 OFFICE MACHINES AND EQUIPMENT	329	54	22
33000 AIRCRAFT ALL TYPES	330	57	23
33100 AIRCRAFT ENGINES	331	57	23
33200 SPECIALIZED AIRCRAFT EQUIPMENT	332	57	23
33300 MODIFICATIONS,CONVERSIONS,SERV.	333	57	23
33400 PASSENGER AUTOMOBILES & CHASSIS	334	55	23
33500 TRUCKS, CHASSIS, TRACTORS, COM.	335	55	23
33600 BUSES AND CHASSIS	336	55	23
33700 MILITARY MOTOR VEH. MOTORCYCLES	337	55	23
33800 MOBILE HOMES	338	55	23
33900 OTH.TRAILERS&SEMI-TRAILERS,COM.	339	55	23
34000 BODIES AND CABS FOR TRUCKS	340	56	23
34100 MOTOR VEHICLE ENGINES AND PARTS	341	56	23
34200 AUXILIARY ELECTRIC EQUIPMENT	342	56	23
34300 MOTOR VEH. ACCESS, PARTS&ASSEMB.	343	56	23
34400 AUTOMOTIVE HARDWARE, EX.SPRINGS	344	56	23
34500 LOCOMOTIVES,CARS&TENDERS,RLY.SER.	345	57	23
34600 SELF-PROPEL CARS	346	57	23
34700 PARTS&ACCESS FOR RLY.ROLL STOCK	347	57	23
34800 SHIPS&BOATS,MILITARY&COMMERCIAL	348	57	23
34900 SUB-ASSEMBLIES,PARTS,ETC.SHIPS	349	57	23
35000 SHIP REPAIRS	350	57	23
35100 SNOWMOBILES&MISC.NON-MOTOR VEH.	351	57	23
35200 PLEASURE & SPORTING CRAFT	352	57	23
35300 SMALL ELEC.APPLIANCES,DOMESTIC	353	58	24
35400 SPACE HEATER,HEATING STOVES,ETC.	354	58	24
35500 REFRIG,FREEZERS&COMB. DOMESTIC	355	58	24
35600 GAS,RANGES&ELEC.STOVES,DOMESTIC	356	58	24
35700 T.V.,RADIO,RECORD PLAYERS	357	58	24
35800 TEL&TELEG.LINE APPARATUS&EQUIP.	358	59	24
35900 RADIO&TV BROADCASTING&TRANS.EQ.	359	59	24
36000 RADAR EQUIP. & RELATED DEVICES	360	59	24
36100 ELEC.TUBES&SEMI-CONDUCTORS ETC.	361	59	24
36200 ELECTRONIC EQUIPMENT COMPONENTS	362	59	24
36300 INTERIOR SIGNAL,ALARM&CLOCK SYST	363	59	24
36400 POLE LINE HARDWARE	364	59	24
36500 WELDING MACHINERY & EQUIPMENT	365	59	24
36600 ENGINES,MARINE,ELECTRIC TURBINES	366	59	24
36700 TRANSFORMERS&CONVERTERS EX.T&T	367	59	24
36800 ELEC. EQUIP. INDUSTRIAL, NES	368	59	24
36900 BATTERIES	369	59	24
37000 WIRE AND CABLE, INSULATED	370	59	24
37100 ALUM. WIRE&CABLE,NOT INSULATED	371	59	24
37200 ENCLOSED SAFETY SWITCHES ETC	372	59	24
37300 ELEC.LIGHT BULBS&TUBES, ETC.	373	59	24
37400 ELECTRIC LIGHTING FIXTURES ETC	374	59	24
37500 CEMENT	375	60	25
37600 LIME	376	61	25
37700 CONCRETE BASIC PRODUCTS	377	60	25
37800 SAND LIME BRICKS AND BLOCKS	378	60	25
37900 READY-MIX CONCRETE	379	60	25
38000 BRICKS AND TILES, CLAY	380	61	25
38100 INSULATORS&ELEC.FITTINGS,PORCELN.	381	61	25
38200 PLUMB.EQ. VITREOUS CHINA& ETC.	382	61	25
38300 REFRACTORIES	383	61	25
38400 NATURAL STONE BASIC PROD,STRUCT.	384	61	25
38500 STONE,CLAY&CONCRETE END PROD,NES	385	61	25
38600 PLASTER&OTH.GYPSUM BASIC PROD.	386	61	25
38700 MIN.WOOL&THERMAL INSUL.MAT,NES	387	61	25
38800 ASBESTOS PRODUCTS	388	61	25
38900 NON-METALLIC MIN.BASIC PROD,NES	389	61	25
39000 GLASS, PLATE, SHEET, WOOL	390	61	25
39100 GLASS CONTAINERS	391	61	25
39200 GLASS TABLEWARE&HOUSEWARE,END&NES	392	61	25
39300 ABRASIVE BASIC PRODUCTS	393	61	25
39400 AVIATION GASOLINE	394	62	26
39500 MOTOR GASOLINE	395	62	26
39600 FUEL OIL	396	62	26
39700 LUBRICATING OILS AND GREASES	397	63	26
39800 BENZENE, TOLUENE AND XYLENE	398	63	26
39900 BUTANE,PROPANE&OTH.LIQ.PET.GAS	399	63	26
40000 NAPHTHA	400	63	26

AGGREGATION PARAMETERS (COMMODITIES)

COMMODITY TITLE	L	M	S
40100 ASPHALT AND COAL OILS, N.E.S.	401	63	26
40200 PETROCHEMICAL FEED STOCK	402	63	26
40300 FERTILIZERS	403	65	27
40400 PLASTIC RESINS&MAT. NOT SHAPED	404	64	27
40500 FILM&SHEET, CELLULOSIC PLASTIC	405	64	27
40600 ETHANOLAMINES	406	64	27
40700 ETHYLENE GLYCOL, MONO	407	64	27
40800 PHARMACEUTICALS	408	66	27
40900 PAINTS & RELATED PRODUCTS	409	67	27
41000 VEG. OILS,OTH. THAN CORN OIL,REF.	410	67	27
41100 GLYCERIN, REFINED	411	64	27
41200 DENTIFRICES, ALL KINDS	412	67	27
41300 SOAPS,DETERGENTS,CLEANING PRODUC.	413	67	27
41400 INDUSTRIAL CHEMICAL PREP. N.E.S.	414	67	27
41500 TOILET PREPARATIONS & COSMETICS	415	67	27
41600 CHLORINE	416	64	27
41700 OXYGEN	417	64	27
41800 PHOSPHORUS	418	64	27
41900 CHEMICAL ELEMENTS, NES	419	64	27
42000 SULPHURIC ACID	420	64	27
42100 CARBON DIOXIDE (GAS AND DRY ICE)	421	64	27
42200 INORGANIC ACIDS&OXYGEN	422	64	27
42300 AMMONIA, ANHYDROUS AND AQUA	423	64	27
42400 CAUSTIC SODA (SOD.HYDROXIDE) DRY	424	64	27
42500 CALCIUM CHLORIDE	425	64	27
42600 SODIUM CHLORATE	426	64	27
42700 ALUMINUM SULPHATE	427	64	27
42800 SODIUM PHOSPHATES	428	64	27
42900 SODIUM CARBONATE (SODA ASH)	429	64	27
43000 SODIUM CYANIDE	430	64	27
43100 SODIUM SILICATE	431	64	27
43200 METALLIC SALTS&PEROXY SALTS, NES	432	64	27
43300 PHOTOGRAPHIC&INORGANIC CHEM.N.E.	433	64	27
43400 ETHYLENE	434	64	27
43500 BUTYLENES	435	64	27
43600 BUTADIENE	436	64	27
43700 ACETYLENE	437	64	27
43800 STYRENE MONOMER	438	64	27
43900 CARBON TETRACHLORIDE	439	64	27
44000 VINYLCHLORIDE MONOMER	440	64	27
44100 TRICHLOROETHYLENE	441	64	27
44200 PERCHLOROETHYLENE	442	64	27
44300 FLUORINATED HALOGEN HYDROCARBONS	443	64	27
44400 HYDROCARBONS&THEIR DERIVATIVES	444	64	27
44500 METHYL ALCOHOL	445	64	27
44600 PROPYL AND ISOPROPYL ALCOHOLS	446	64	27
44700 BUTYL AND ISOBUTYL ALCOHOLS	447	64	27
44800 PENTAERYTHRITOL	448	64	27
44900 ALCOHOLS AND THEIR DERIVATIVES	449	64	27
45000 PHENOL	450	64	27
45100 PHENOLS,PHEN.ALCOHOLS&DERIVATIVES	451	64	27
45200 ETHERS,ALCOHOL PEROXIDES,ETC	452	64	27
45300 METYL-ETHYL,ALDEHYDE-FUNCTIONS,N	453	64	27
45400 ACETONE	454	64	27
45500 ACETIC ACID	455	64	27
45600 ACETIC ANHYDRIDE	456	64	27
45700 ADIPIC ACID	457	64	27
45800 CITRIC ACIDS	458	64	27
45900 STEARIC AND ORGANIC ACIDS	459	64	27
46000 HEXAMETHYLENEDIAMINE	460	64	27
46100 SODIUM GLUTAMATE, MONO	461	64	27
46200 DICYANDIAMIDE	462	64	27
46300 ORGANO-INORGANIC COMPOUNDS ETC	463	64	27
46400 ORGANIC CHEMICALS, NES	464	64	27
46500 TITANIUM DIOXIDE	465	64	27
46600 BLACK, ACETYLENE AND CARBON	466	64	27
46700 PIGMENTS, LAKES & TONERS,PROPER	467	64	27
46800 IRON OXIDES	468	64	27
46900 FERTILIZER CHEMICALS	469	64	27
47000 SYNTHETIC RUBBER	470	64	27
47100 ANTIFREEZE COMPOUNDS	471	67	27
47200 ADDITIVES FOR MINERAL OILS,NES	472	67	27
47300 GLYCERINE, CRUDE	473	64	27
47400 RUBBER&PLASTICS COMPOUNDING AGTS	474	64	27
47500 EXPLOSIVES, FUSES AND CAPS	475	67	27
47600 AMMUNITION, NON-MILITARY	476	67	27
47700 AMMUNITION & ORDNANCE, MILITARY	477	67	27
47800 PYROTECHNIC ARTICLES & FIREWORKS	478	67	27
47900 CRUDE VEG. MATERIALS & EXTRACTS	479	64	27
48000 PHTHALIC ANHYDRIDE	480	64	27
48100 AGRICULTURAL CHEMICALS	481	67	27
48200 ADHESIVES	482	67	27
48300 AUTOMOTIVE CHEM. EX. ANTIFREEZE	483	67	27
48400 CONCRETE ADDITIVES	484	67	27
48500 BOILER CHEMICALS	485	67	27
48600 COMPOUND CATALYSTS	486	67	27
48700 METAL WORKING COMPOUNDS	487	67	27
48800 PRINTING AND OTHER INKS	488	67	27
48900 TEXTILE SPECIALTY CHEMICALS	489	67	27
49000 POLISHES,WAXES,COMPOUNDS & ETC	490	67	27
49100 WAXES,ANIMAL & VEGETABLE, OTHER	491	67	27
49200 ESSENTIAL OILS, NATURAL OR SYN.	492	67	27
49300 TANNING MATERIALS AND DYE STUFFS	493	67	27
49400 FATS AND CHEMICAL MIXTURES	494	67	27
49500 EMBALMING CHEM.& PREPARATIONS	495	67	27
49600 MATCHES	496	67	27
49700 AIRCRAFT&NAUTICAL INSTRUMENTS	497	68	28
49800 LAB&SCIENTIFIC APPARATUS ETC	498	68	28
49900 MISC.MEASURE&CONTROL INSTRUMENTS	499	68	28
50000 MEDICAL&RELATED INSTRUMENTS ETC	500	68	28
50100 IND.MILITARY&CIVIL DEF.SAFETY EQ	501	68	28

AGGREGATION PARAMETERS (COMMODITIES)

COMMODITY TITLE	L	M	S
50200	502	68	28
50300	503	68	28
50400	504	69	28
50500	505	69	28
50600	506	69	28
50700	507	69	28
50800	508	69	28
50900	509	69	28
51000	510	69	28
51100	511	69	28
51200	512	69	28
51300	513	69	28
51400	514	69	28
51500	515	69	28
51600	516	69	28
51700	517	69	28
51800	518	69	28
51900	519	69	28
52000	520	69	28
52100	521	69	28
52200	522	72	31
52300	523	70	29
52400	524	71	30
52500	525	71	30
52600	526	71	30
52700	527	71	30
52800	528	71	30
52900	529	71	30
53000	530	74	32
53100	531	74	32
53200	532	74	32
53300	533	74	32
53400	534	74	32
53500	535	74	32
53600	536	74	32
53700	537	74	32
53800	538	74	32
53900	539	74	32
54000	540	73	32
54100	541	74	32
54200	542	74	32
54300	543	75	33
54400	544	76	33
54500	545	77	33
54600	546	78	34
54700	547	79	34
54800	548	63	26
54900	549	79	34
55000	550	80	35
55100	551	89	40
55200	552	89	40
55300	553	81	36
55400	554	83	38
55500	555	83	38
55600	556	83	38
55700	557	82	37
55800	558	83	38
55900	559	83	38
56000	560	83	38
56100	561	85	40
56200	562	86	40
56300	563	86	40
56400	564	87	40
56500	565	87	40
56600	566	84	39
56700	567	84	39
56800	568	89	40
56900	569	88	40
57000	570	88	40
57100	571	88	40
57200	572	89	40
57300	573	89	40
57400	574	89	40
57500	575	84	39
57600	576	84	39
57700	577	89	40
57800	578	89	40
57900	579	89	40
58000	580	91	42
58100	581	91	42
58200	582	91	42
58300	583	90	41
58400	584	91	42
58500	585	92	43
58600	586	92	43
58700	587	91	42
58800	588	93	44
58900	589	93	44
59000	590	93	44
59100	591	93	44
59200	592	93	44
59300	593	93	44
59400	594	94	45
59500	595	89	40
59600	596	95	46
59700	597	96	46
59800	598	95	46
59900	599	97	47
60000	600	98	47
60100	601	99	48
60200	602	100	49

AGGREGATION PARAMETERS (FINAL DEMAND)

FINAL DEMAND TITLE		L	M	S
20001	CE FOOD & NON-ALCOHOLIC BEVERAG.....	1	3	3
20002	CE ALCOHOLIC BEVERAGES.....	2	3	3
20003	CE TOBACCO.....	3	3	3
20004	CE MEN'S AND BOY'S CLOTHING.....	4	2	2
20005	CE WOMEN'S&CHILDREN'S CLOTHING.....	5	2	2
20006	CE FOOTWEAR AND SHOE REPAIR.....	6	2	2
20007	CE GROSS IMPUTED RENTS.....	7	4	4
20008	CE GROSS PAID RENTS.....	8	4	4
20009	CE OTHER LODGING.....	9	4	4
20010	CE ELECTRICITY.....	10	3	3
20011	CE GAS.....	11	3	3
20012	CE OTHER FUELS.....	12	3	3
20013	CE FURN.,CARPETS&FLOOR COVERING.....	13	1	1
20014	CE DURABLE HHL D. APPLIANCES.....	14	1	1
20015	CE SEMI-DUR HHL D FURN&SUPPLIES.....	15	2	2
20016	CE NON-DURABLE HHL D. SUPPLIES.....	16	3	3
20017	CE LAUNDRY & DRY CLEANING SERV.....	17	4	4
20018	CE DOMESTIC SERVICES.....	18	4	4
20019	CE OTHER HOUSEHOLD SERVICES.....	19	4	4
20020	CE MEDICAL CARE.....	20	4	4
20021	CE HOSPITAL CARE.....	21	4	4
20022	CE OTHER MEDICAL CARE.....	22	4	4
20023	CE DRUGS AND SUNDRIES.....	23	3	3
20024	CE NEW & USED AUTOMOBILES.....	24	1	1
20025	CE AUTO REPAIRS & PARTS.....	25	1	1
20026	CE GASOLINE,OIL & GREASE.....	26	3	3
20027	CE OTH AUTO RELATED SERVICES.....	27	4	4
20028	CE PURCHASED TRANSPORTATION.....	28	4	4
20029	CE COMMUNICATIONS.....	29	4	4
20030	CE REC. SPORTS&CAMPING EQP.....	30	1	1
20031	CE BOOKS,MAGAZINES & STATIONARY.....	31	2	2
20032	CE RECREATIONAL SERVICES.....	32	4	4
20033	CE EDUCATION & CULTURAL SERVICES.....	33	4	4
20034	CE JEWELLRY,WATCHES & REPAIRS.....	34	2	2
20035	CE TOILET ARTICLES,COSMET. ETC.....	35	3	3
20036	CE PERSONAL CARE.....	36	4	4
20037	CE EXP. IN RESTAUR.&HOTELS ETC.....	37	4	4
20038	CE PERSONAL BUSINESS.....	38	4	4
20039	CE OPER. EXP. NON-PROFIT ORGN.....	39	4	4
20040	CE NET EXPENDITURES ABROAD.....	40	4	4
21001	M&E AGRICULTURE AND FISHING.....	41	7	7
21002	M&E FORESTRY.....	42	7	7
21003	M&E MINING QUARRYING & OIL WELLS.....	43	7	7
21004	M&E FOOD AND BEVERAGES.....	44	7	7
21005	M&E TOBACCO AND TOBACCO PRODUCTS.....	45	7	7
21006	M&E RUBBER PRODUCTS.....	46	7	7
21007	M&E LEATHER GOODS.....	47	7	7
21008	M&E TEXTILE PRODUCTS.....	48	7	7
21009	M&E CLOTHING AND KNITTING MILLS.....	49	7	7
21010	M&E WOOD PRODUCTS.....	50	7	7
21011	M&E FURNITURE AND FIXTURES.....	51	7	7
21012	M&E PAPER AND ALLIED INDUSTRIES.....	52	7	7
21013	M&E PRINTING,PUBLISHING & ALLIED.....	53	7	7
21014	M&E PRIMARY METALS.....	54	7	7
21015	M&E METAL FABRICATING.....	55	7	7
21016	M&E MACHINERY.....	56	7	7
21017	M&E TRANSPORT EQUIPMENT.....	57	7	7
21018	M&E ELECTRICAL PRODUCTS.....	58	7	7
21019	M&E NON-METALLIC MINERAL PRODUCT.....	59	7	7
21020	M&E PETROLEUM AND COAL PRODUCTS.....	60	7	7
21021	M&E CHEMICALS & CHEMICAL PROD.....	61	7	7
21022	M&E MISCELLANEOUS MANUFACTURING.....	62	7	7
21023	M&E CONSTRUCTION INDUSTRY.....	63	7	7
21024	M&E ELECTRIC POWER.....	64	7	7
21025	M&E GAS DISTRIBUTION.....	65	7	7
21026	M&E RAILWAY TRANSPORT.....	66	7	7
21027	M&E URBAN TRANSIT SYSTEMS.....	67	7	7
21028	M&E WATER TRANSPORT AND SERVICES.....	68	7	7
21029	M&E MOTOR TRANSPORT.....	69	7	7
21030	M&E GRAIN ELEVATORS.....	70	7	7
21031	M&E TELEPHONES.....	71	7	7
21032	M&E BROADCASTING.....	72	7	7
21033	M&E AIR TRANSPORT & OTH. UTIL.....	73	7	7
21034	M&E TRADE, WHOLESALE AND RETAIL.....	74	7	7
21035	M&E FINANCE INSURANCE & REAL EST.....	75	7	7
21036	M&E COMMERCIAL SERVICES.....	76	7	7
21037	M&E CHURCHES AND UNIVERSITIES.....	77	7	7
21038	M&E USED CARS,EQUIPT. & SCRAP.....	78	7	7
21500	M&E GOVERNMENT SECTOR.....	79	8	8
22001	CON AGRICULTURE AND FISHING.....	80	5	5
22002	CON FORESTRY.....	81	5	5
22003	CON MINING QUARRYING & OIL WELLS.....	82	5	5
22004	CON FOOD AND BEVERAGES.....	83	5	5
22005	CON TOBACCO AND TOBACCO PRODUCTS.....	84	5	5
22006	CON RUBBER PRODUCTS.....	85	5	5
22007	CON LEATHER GOODS.....	86	5	5
22008	CON TEXTILE PRODUCTS.....	87	5	5
22009	CON CLOTHING AND KNITTING MILLS.....	88	5	5
22010	CON WOOD PRODUCTS.....	89	5	5
22011	CON FURNITURE AND FIXTURES.....	90	5	5
22012	CON PAPER AND ALLIED INDUSTRIES.....	91	5	5
22013	CON PRINTING,PUBLISHING & ALLIED.....	92	5	5
22014	CON PRIMARY METALS.....	93	5	5
22015	CON METAL FABRICATING.....	94	5	5
22016	CON MACHINERY.....	95	5	5
22017	CON TRANSPORT EQUIPMENT.....	96	5	5
22018	CON ELECTRICAL PRODUCTS.....	97	5	5
22019	CON NON-METALLIC MINERAL PRODUCT.....	98	5	5
22020	CON PETROLEUM AND COAL PRODUCTS.....	99	5	5
22021	CON CHEMICALS & CHEMICAL PROD.....	100	5	5

AGGREGATION PARAMETERS (FINAL DEMAND)

FINAL DEMAND TITLE		L	M	S
22022	CON MISCELLANEOUS MANUFACTURING.....	101	5	5
22023	CON CONSTRUCTION INDUSTRY.....	102	5	5
22024	CON ELECTRIC POWER.....	103	5	5
22025	CON GAS DISTRIBUTION.....	104	5	5
22026	CON RAILWAY TRANSPORT.....	105	5	5
22027	CON URBAN TRANSIT SYSTEMS.....	106	5	5
22028	CON WATER TRANSPORT AND SERVICES.....	107	5	5
22029	CON MOTOR TRANSPORT.....	108	5	5
22030	CON GRAIN ELEVATORS.....	109	5	5
22031	CON TELEPHONES.....	110	5	5
22032	CON BROADCASTING.....	111	5	5
22033	CON AIR TRANSPORT & OTH. UTIL.....	112	5	5
22034	CON TRADE, WHOLESALE AND RETAIL.....	113	5	5
22035	CON FINANCE INSURANCE + REAL EST.....	114	5	5
22036	CON COMMERCIAL SERVICES.....	115	5	5
22037	CON CHURCHES AND UNIVERSITIES.....	116	5	5
22040	CON HOUSING.....	117	5	5
22045	CON REAL ESTATE COMMISSIONS.....	118	5	5
22500	CON GOVERNMENT SECTOR.....	119	6	6
23010	INV FINISHED GOODS & GOODS I.P.....	120	9	9
23020	INV RAW MATERIALS & G.P.R.S.....	121	9	9
24001	GCE HOSPITAL EXP.....	122	13	13
24002	GCE EDUCATION EXP.....	123	13	13
24003	GCE DEFENCE EXP.....	124	13	13
24004	GCE OTHER MUNICIPAL GOVT. EXP.....	125	13	13
24005	GCE OTHER PROV. GOVT. EXP.....	126	13	13
24006	GCE OTHER FED. GOVT. EXP.....	127	13	13
25000	DOMESTIC EXPORTS.....	128	10	10
26000	RE-EXPORTS.....	129	11	11
27000	IMPORTS.....	130	12	12
28001	GCE HOSPITAL REV.....	131	14	14
28002	GCE EDUCATION REV.....	132	14	14
28003	GCE DEFENCE REV.....	133	14	14
28004	GCE OTHER MUNICIPAL GOVT. REV.....	134	14	14
28005	GCE OTHER PROV. GOVT. REV.....	135	14	14
28006	GCE OTHER FED. GOVT. REV.....	136	14	14

DEFINITION OF FINAL DEMAND AGGREGATION - S & M
IN TERMS OF L SEQUENTIAL NUMBERS

S&M FINAL- DEMAND NO	S & M FINAL DEMAND TITLE	L SEQUENTIAL NO
1	CONSUMER EXPEND., DURABLE.....	13-14,24-25,30
2	CONSUMER EXPEND., SEMI-DURABLE.....	4-6,15,31,34
3	CONSUMER EXPEND., NON-DURABLE.....	1-3,10-12,16, 23,26,35
4	CONSUMER EXPEND., SERVICES.....	7-9,17-22,27- 29,32-33,36-40
5	CONSTRUCTION, BUSINESS.....	80-118
6	CONSTRUCTION, GOVERNMENT.....	119
7	MACHINERY & EQPT., BUSINESS.....	41-78
8	MACHINERY & EQPT., GOVERNMENT.....	79
9	INVENTORIES.....	120-121
10	DOMESTIC EXPORTS.....	128
11	RE-EXPORTS.....	129
12	IMPORTS.....	130
13	GOVT. CURRENT EXPEND., GROSS.....	122-127
14	GOVT. REV. SALE OF GOODS, SERV.....	131-136

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