

**MULTILATERAL TRADE  
NEGOTIATIONS  
THE URUGUAY ROUND**

**RESTRICTED**  
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**Group of Negotiations on Services**

**AVAILABILITY OF STATISTICS ON SERVICES**

**Note by the Secretariat**

In response to the statistical needs of the Group of Negotiations on Services, a data base has been created within GATT which contains information on employment and trade in services by country from 1970 onward. The database will contain production data in the near future. The primary purpose of this note is to illustrate what is currently available from the secretariat in machine-retrievable form, and what can be expected to become available in the near future.

**I. Trade data**

As noted in MTN.GNS/W/58, IMF balance-of-payments statistics are the only source of information on trade in services available on a global basis. These statistics, which are in principle identical to those reported by the Fund in its Balance of Payments Yearbook, have been loaded into the database. However, for a number of countries the level of disaggregation at which trade flows are reported to the IMF is greater than what the Fund reports in its publication. The statistics included in the data base are the most detailed ones reported by the IMF on its data tapes, and are thus somewhat more disaggregated than those published in the Yearbook. Furthermore, because IMF tapes are updated regularly during the year, data drawn from the tapes may be more recent than those that are published by the Fund.

Tables 1 through 10 in the Annex provide examples of the types of tables that can be prepared from the information presently contained in the data base. The selection of countries and country groupings in these tables is purely illustrative, as are the data that are reported. Other country groups, data for any year after 1970, average annual growth rates, aggregations of specific components of the current account, balances by series, country or country group, etc. can be produced upon request. As noted in earlier secretariat documents prepared for the GNS as well as in Volume One of International Trade 1988-89, the coverage, comparability and reliability of services trade data is limited at present. The data base, for example, simply records the standard components of the balance of payments and does not attempt to measure trade in services (however defined). Thus, for present purposes, "services" transactions comprise transport (shipment, passenger services, and other transport), travel, official transactions, labour and property income, and "other services"

which include items such as brokerage, insurance, communications,<sup>1</sup> leasing and rental of equipment and technical and professional services. The term "commercial services" is employed to denote the sum of these categories, excluding official transactions. This is the practice that was followed in Volume One of International Trade 1988-89.

As can be seen from Annex Table 1, reported world trade in commercial services in 1988 was approximately \$ 600 billion (the average of total exports and imports), of which transport and travel accounted for about 60 per cent. It is almost certainly an underestimate, as it excludes trade in types of services that are often not registered by many countries (such as information services). Further, this figure does not include services sold through a longer-term local presence, as such sales are not considered to be trade for balance of payments purposes. Between 1987 and 1988, trade in commercial services expanded at almost the same rate as merchandise trade, if growth rates of imports and exports are averaged. The wide discrepancy between the growth rates of total exports and imports of commercial services reflects the weaknesses of the available data, in particular, the fact that coverage of imports is more complete than exports for specific service components, and vice versa. Annex Table 2 reports the value of world trade in commercial services and its components, as well as the share of these components in total trade. Information on shares in world trade of commercial services by country and major country group is reported in Annex Tables 3 and 4, for exports and imports, respectively.<sup>2</sup> Annex Tables 5 and 6 report data on the value of trade in commercial services and its components by country. All four tables contain figures for 1970 and 1988, allowing an impression to be obtained of the changes that have occurred in the last twenty years or so. Annex Tables 7 and 8 rank countries depending on the relative importance of commercial services in their total trade (commercial services plus merchandise) in 1987, while Annex Tables 9 and 10 provide information on the relative importance of components of services in total commercial services trade for the countries that report to the IMF and participate in the GNS.

The country coverage of the trade statistics is reported in Annex Table 11. Data for countries such as Hong Kong and Taiwan that do not report to the Fund are drawn from national sources. The detail with which statistics are reported varies considerably across countries, and certain countries may not report at all for certain years. The category "other services" has been broken down provisionally by the secretariat into 13 components, i.e. advertising, insurance, communications, construction, data and computer services, leasing and rentals, management, processing and

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<sup>1</sup>The extent to which data is reported by countries for components of other services is discussed in some detail below.

<sup>2</sup>In all tables Poland, Hungary and Romania are included in the group of developed countries to the extent that they report figures, while China is included in the developing country group. No statistics are available for the USSR.

repair, merchanting, fees and commissions (including banking), film rentals, technical and professional services, and agricultural and mining services. Furthermore, if available, shipment data is broken down into freight and insurance on freight; passenger services are broken down by mode of transport (air, sea, other) and other transport is divided into charters, port services, and other. Presently only the breakdown of shipment is available. The 13-category breakdown of other services is based on the data currently reported by countries and thus represents the status quo. As mentioned in MTN.GNS/W/41 and MTN.GNS/W/58, work is on-going in various international fora to improve the classification systems used to collect and report service trade statistics. The breakdown of other services noted above is broadly consistent with proposed classifications of trade in services currently being discussed by the OECD/EC/IMF.

While most countries report data on major categories such as merchandise, shipment, or travel, there is a great deal of variation concerning the amount of detail reported for the category "other services". Table 1 provides some summary information concerning the country coverage of the series included in the database. Of the thirteen components of other services noted above, most countries only report one or two to the IMF. It can be noted that the number of countries reporting services data in the latest available year (1988) is much less than those that report in 1987 or 1986 (96 as opposed to 126 and 133, respectively). The implication is that data for global or regional trade in 1987 and 1988 understate the true value of trade unless an adjustment is made for missing countries. Note further that while coverage for transport categories and travel is relatively comprehensive, this is not the case for categories of other services. The only category reported by a significant number of countries is non-merchandise insurance. One reflection of the paucity of detailed data on components of other services is that the sum of the categories that are reported is usually only a fraction of the total figure reported for "other services". That is, if the data reported for individual components of other services are added together and the resulting sum is divided by the figure reported by countries for total "other services", the "coverage ratio" that is obtained will usually be substantially less than one. This is simply due to the fact that most countries estimate total imports and exports of other services based on foreign exchange flows but are often unable to determine the specific transactions which underlie these flows.

Average coverage ratios for the countries included in the data base (based on IMF information) are reported in Table 2. It is apparent that the average coverage ratio has been declining over time. Presumably this indicates an increase in the relative importance of services for which no data are reported separately. Examples include information and computer services, education, medical services, etc. For individual countries coverage ratios vary between zero (numerous instances) and 100 (very few). A high coverage ratio does not mean, of course, that the total figure reported is accurate. Nonetheless, average coverage ratios of around 30 per cent indicate that most transactions cannot be allocated to specific categories.

**TABLE 1**

**Country coverage of time series in database**  
**(IMF and ILO sources)**

Category	Credit (Exports)			Debit (Imports)		
	1985	1987	1988	1985	1987	1988
Trade						
Goods, Serv, inc. Total	139	124	98	139	124	98
Merchandise Trade	139	126	98	139	126	98
Shipment	105	98	77	136	124	96
Shipment Freight	45	42	37	59	55	46
Shipment Insurance	28	28	22	51	47	37
Passenger	97	87	75	102	94	74
Other Transport	116	104	79	109	96	77
Travel	132	121	94	133	123	96
Labour Income	57	49	41	57	55	40
Property Income	29	29	27	51	47	39
Official Transaction	118	106	86	123	108	88
Other Services	133	120	93	134	122	96
Advertising	2	1	0	4	4	2
Insurance	43	37	30	53	47	36
Communication	9	9	8	8	8	8
Construction	6	6	6	4	4	4
Rental	-	-	-	3	3	2
Management	4	5	4	9	7	5
Process & Repairs	7	7	6	3	3	3
Merchanting	8	8	7	-	-	-
Fees, Commissions	20	19	17	16	16	13
Film Rental	1	1	1	7	8	6
Technical, Professional	2	2	2	8	8	5
Agricultural & Mining	-	-	-	6	5	4
Transfers	133	121	97	129	116	89

Employment	1985	1987	1988
Agriculture, Forest, Fisheries	67	48	0
Mining	60	44	0
Manufacturing	70	48	0
Electricity, Gas, Water	64	44	0
Construction	70	48	0
Trade, Restaurants, Hotels	69	48	0
Transport, Storage, Communication	70	48	0
Financial, Insurance, Business	63	45	0
Community, Social, Personal	70	48	0
N.E.S.	34	24	0
Total Employment	69	48	0

**TABLE 2**

Value of trade and average "Coverage ratios"<sup>1</sup> of other services  
for all countries reporting to the IMF, 1970-1988

(US\$ million and percentage)

Category	1970	1980	1987	1988
<u>Other services credit<sup>a</sup></u>	14,981	108,010	176,537	177,424
Advertising	9	11	1	-
Insurance	1,163	5,164	7,411	6,979
Communication	375	1,262	3,030	3,477
Construction	1,021	10,954	9,609	10,001
Management credit	152	1,432	4,742	6,069
Processing, repairs	459	3,989	4,910	5,694
Merchanting	443	1,622	4,020	2,523
Fees, commission, banking	1,158	7,150	8,212	8,992
Film rental	2	31	35	30
Technical, professional	275	3,510	3,763	3,530
Coverage (%)	34	33	26	27
<u>Other services debit<sup>b</sup></u>	14,499	99,895	152,481	151,980
Advertising	27	50	76	83
Insurance	1,516	6,613	7,940	6,893
Communication	379	1,549	4,315	4,928
Construction	389	3,253	3,809	4,244
Leasing and rentals	1	11	10	7
Management	284	2,098	4,591	5,537
Processing, repairs	128	1,730	819	1,005
Fees, commission, banking	1,379	9,658	11,443	12,348
Film rental	20	55	73	74
Technical, professional	298	3,470	3,839	3,432
Agricultural and mining services	518	2,319	1,862	1,955
Coverage (%)	34	31	25	27

Notes:

- a No data is reported by any country to the IMF for the categories data and computer services, leasing and rental of equipment, and agricultural and mining services.
- b No data is reported by any country to the IMF for the category data and computer services. By convention, merchanting appears only as a credit, it being calculated as a net flow.

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<sup>1</sup>Defined as the sum of individual components of other services reported by countries divided by the total figure reported for the category "other services".

It is clear that the amount of detailed data reported to the IMF is limited. Often more disaggregated data may be collected and published by national statistical agencies. For example, national sources for many OECD nations provide greater detail regarding components of "other services" transactions. This is the case for Belgium, Canada, Denmark, Finland, the Federal Republic of Germany, the Netherlands, Norway, Sweden, the United Kingdom, and the United States. Table 3 gives an indication of the amount of detail available from national sources for OECD countries, using the 13-category breakdown employed in the data base for comparison purposes. Coverage ratios tend to be higher where national sources are used, the average for the OECD countries being over 50 per cent, which is twice as high as the average ratio emerging from IMF data. The secretariat is in the process of integrating such national data with those reported by the IMF and presently stored in the database. Once this has been done, tables similar to those described earlier can be generated using either source of information, or a combination of the two. Currently only IMF balance-of-payments data is available in machine retrievable form.

Details concerning the geographical breakdown of trade in services flows (i.e. according to source and destination) is not reported by the IMF. However, national statistical agencies do compile information on this, but for most countries the degree of geographical detail is much less than what is available for merchandise trade. For most major OECD countries trade in services can be broken down by country group (i.e. OECD, Europe, Developing countries, etc.), and some OECD nations also report flows by major partner country. Usually such country breakdowns are limited primarily to other OECD countries. Geographical data for certain components of services trade of the European Community as a whole has been calculated by the Statistical Office of the European Communities (EUROSTAT) and was presented to the GNS in MTN.GNS/W/73. The comparability of such origin and destination information across countries is limited, as data are reported at varying levels of aggregation, and according to different geographical criteria. Comparisons are hindered further due to the fact that definitions of the components of "other services" are often not similar. The secretariat is presently collecting available information concerning the geographical distribution of trade in services.

## II. Data on production and employment

As is the case with trade statistics, internationally comparable data on services-related production and employment is rarely available on a disaggregated basis. Both production and employment data are reported by international organizations (the United Nations Statistical Office and the International Labour Office respectively) according to the International Standard Industrial Classification (ISIC), which has been discussed in MTN.GNS/W/50. The in-house data base currently contains data on employment by 1-digit ISIC sector for 84 of the countries for which balance of payments data is reported. This limited coverage reflects what is reported by the ILO. Country coverage will be expanded gradually by drawing upon data provided by other international organizations as well as national statistical agencies. Production data consists of sectoral contributions to total value added (i.e. GDP) on a 1-digit ISIC basis. This information

TABLE 3

Availability of national data on components of other services exports for OECD members, 1987

Country	Advertis- tising	Insu- rance	Communica- tion	Construc- tion	Leasing Rentals	Manage- ment	Processing Repair	Merchant- ing	Fees	Film Rentals	Technical Professional	Agriculture Mining	Data Computer	Coverage ratio <sup>a</sup>
Australia		X												1
Austria		X	X	X			X		X	X				56
Belgium-Luxembourg	X	X	X				X	X	X	X	X			87
Canada	X	X	X		X	X			X	X	X	X	X	88
Denmark		X		X				X	X	X				75
Finland	X	X	X	X	X		X		X	X				100
France		X		X		X	X	X		X	X			65
Germany, Fed. Rep. of	X	X	X	X			X	X	X	X				85
Greece		X	X						X					4
Iceland		X												16
Ireland		X	X						X					41
Italy		X						X	X	X				37
Japan	X	X				X			X	X				50
The Netherlands		X	X	X	X	X	X		X	X	X			86
New Zealand		X												3
Norway		X	X	X	X	X	X		X	X	X		X	86
Portugal		X												5
Spain	X	X	X	X	X	X	X	X	X	X	X			96
Sweden	X	X							X					70
Switzerland		X	X					X						20
Turkey														0
United Kingdom	X	X	X			X			X	X	X	X	X	77
United States	X	X	X	X		X	X		X	X	X	X	X	95

Note:  
<sup>a</sup>

For definition see Table 2. The ratio is calculated to include all components of other services that are reported by countries, including those that are not covered by the listing here.

Source: OECD, OECD Countries International Trade in Services, 1970-1987, 1989.

will be available in machine-retrievable form in the near future. Annex Tables 12 and 13 provide some data on the distribution of production and employment by sector and country.

To the extent that greater disaggregation is required for production and employment, national sources will have to be used. However, using such sources will generally imply problems of comparability of data, as national nomenclatures tend to vary.

### III. Sectoral data

Quite apart from the IMF balance of payments data, sector-specific statistical information is available for certain industries from various international organizations, and from national service industry associations. These include civil aviation, maritime transport, construction, insurance and tourism. Civil aviation statistics are reported by ICAO. They pertain to passenger-kilometres and tonne-kilometres flown by airlines, and allow the calculation of market shares on both a global and regional basis. Examples of the data provided by ICAO can be found in MTN.GNS/W/60 from which Annex Table 14 is drawn. Data on maritime transport is reported by UNCTAD in its annual publication Review of Maritime Transport. Statistics pertain to world seaborne trade, shares of groups of countries in this trade, and country shares in the world merchant fleet by flag of registration and type of ship. The latter information is drawn from Lloyd's Register of Shipping. As indicated earlier, data on the value of shipment by country is reported in IMF balance-of-payments data. Maritime transportation data suffers from non-reporting by a number of countries, and widespread use of flags of convenience makes it difficult to make cross-country comparisons. Data on trade in construction and design services are collected by the industry and reported in the Engineering News Record. Statistics pertain to contracts awarded to, and billings by, major firms on a worldwide basis. The data do not take into account the degree to which (local) sub-contracting takes place. Examples of information drawn from this source can be found in MTN.GNS/W/53 and Annex Table 15. Insurance statistics refer primarily to domestic insurance markets and are collected by the industry. They give an indication of the relative importance of this sector (based on premia collected) as well as the share captured by foreign insurers. Examples of available types of statistics are reported in MTN.GNS/W/68. Tourism data are reported by the World Tourism Organization. These are in principle on the same basis as those reported by the IMF for the category "Travel". In addition, the WTO provides information on the mode of transport used and average expenditure per arrival. Such information can be found in MTN.GNS/W/61 and Volume 1 of International Trade, 1988-89. Annex Table 16 reproduces some of the information that is available.



#### IV. Ongoing and future improvements

Efforts are continuing at both the multilateral and national level to improve the classification and collection of service sector statistics. Mention can be made of the most recent meeting of the Voorburg Group on Service Statistics, held in Ottawa, Canada on 2-5 October 1989. It will be recalled (see MTN.GNS/W/41) that the Voorburg Group consists of a number of representatives from national statistical offices that cooperate informally under auspices of the UNSO with the goal of assisting in the improvement of service statistics. Representatives of EUROSTAT, the IMF and the OECD contributed papers and proposals pertaining to the classification and collection of international trade in services. EUROSTAT and OECD reported on their efforts to develop a more disaggregated classification of trade in services that would be consistent with both current and possible future IMF balance-of-payments categories. At the most detailed level, the proposed classification system has about eighty headings for services transactions, of which 25 pertain to communication, computer-related, and other business services. The next meeting of the Voorburg Group will take place in September 1990.

In the last five years a number of countries have achieved a marked improvement in the detail with which service statistics are collected and reported. Furthermore, a much better picture has emerged concerning data weaknesses. Improving service statistics is a long term process that depends primarily on efforts by national statistical agencies to employ the appropriate methodologies and a willingness on the part of governments to meet the resource costs involved. Without such efforts at the national level better and more detailed statistics on services will not become available, despite the development of improved classification systems such as the CPC, the revised ISIC, or the OECD/EUROSTAT proposal for international transactions (see MTN.GNS/W/41 and MTN.GNS/W/58).

ANNEX TABLE 1  
Value and average growth rates of world trade in commercial services and other current account components<sup>a</sup>

	V a l u e o f t r a d e (Billions of US dollars)						G r o w t h (per cent)	
	1970			1980			1987	
	1980			1988 <sup>c</sup>			87-88	
	Credit	Debit	Credit	Debit	Credit	Debit	Credit	Debit
Current account	384.8	381.2	2,511.8	2,456.9	3,355.3	3,322.5	3,842.2	3,784.5
of which:								
Merchandise exports	263.7	271.3	1,710.9	1,723.0	2,199.0	2,219.5	2,485.4	2,531.0
Invisibles	121.1	109.8	792.9	733.9	1,156.3	1,102.9	1,356.8	1,253.5
of which:								
Investment income	28.7	26.6	276.0	261.6	449.9	413.9	545.6	488.9
Official transactions	9.7	7.6	43.9	31.1	43.6	45.6	46.2	45.1
Transfers	15.4	11.7	90.3	83.6	125.8	117.6	145.3	138.4
Commercial services	67.3	63.9	382.8	357.6	537.0	525.9	619.6	581.0
of which:								
Transport	30.5	25.0	164.5	133.2	184.8	155.8	219.4	176.3
Travel	18.0	18.8	96.7	93.9	158.1	159.8	184.9	181.5
Other services and income	18.8	20.1	121.7	130.5	194.1	210.2	215.4	223.2
of which:								
Labour income	1.7	1.9	11.8	10.9	18.6	15.8	21.0	17.8
Property income	2.5	3.3	10.0	11.5	18.5	17.5	23.0	20.5
Other services	14.5	14.9	99.9	108.0	156.9	176.9	171.4	185.0

<sup>a</sup> World is defined as the sum of all countries reporting to the IMF plus Hong Kong and Taiwan. For country coverage of each series see Table 1.

<sup>b</sup> To avoid downward bias, growth rate calculations only used data for countries that report in both years.

<sup>c</sup> When values for 1988 were not available, 1987 values were employed.

Annex Table 2: Value of world trade in Commercial Services  
and shares of components a

	Value of Trade (Billions of US \$)				Share in total commercial services			
	1970	1980	1987	1988 b	1970	1980	1987	1988
<b>CREDIT (EXPORTS)</b>								
<u>Commercial Services</u>	63.9	357.6	525.9	581.0	100.0	100.0	100.0	100.0
Transport	25.0	133.2	155.8	176.3	39.1	37.2	29.6	30.3
Shipments	13.7	58.8	66.3	74.4	21.5	16.4	12.6	12.8
Passenger	3.2	18.2	30.1	35.5	4.9	5.1	5.7	6.1
Other Transport	8.1	56.1	59.4	66.3	12.7	15.7	11.3	11.4
Travel	18.8	93.9	159.8	181.5	29.4	26.3	30.4	31.2
Other Services	14.9	108.0	176.9	185.0	23.4	30.2	33.6	31.8
Labor Income	1.9	10.9	15.8	17.8	3.0	3.1	3.0	3.1
Property Income	3.3	11.5	17.5	20.5	5.2	3.2	3.3	3.5
<b>DEBIT (IMPORTS)</b>								
<u>Commercial Services</u>	67.3	382.8	537.0	619.6	100.0	100.0	100.0	100.0
Transport	30.5	164.5	184.8	219.4	45.4	43.0	34.4	35.4
Shipments	16.9	87.1	96.9	118.9	25.1	22.8	18.0	19.2
Passenger	3.1	17.8	28.4	33.5	4.6	4.7	5.3	5.4
Other Transport	10.6	59.6	59.5	67.0	15.7	15.6	11.1	10.8
Travel	18.0	96.7	158.1	184.9	26.7	25.2	29.4	29.8
Other services	14.5	99.9	156.9	171.4	21.6	26.1	29.2	27.7
Labor Income	1.7	11.8	18.6	21.0	2.6	3.1	3.5	3.4
Property Income	2.5	10.0	18.5	23.0	3.8	2.6	3.5	3.7

Source: Based on IMF statistics and national sources and drawn from the GATT Services database

a/ World is defined as the sum of all countries reporting to the IMF plus Hong Kong and Taiwan, Prov. of China

b/ When values for 1988 were not available, 1987 values were employed

Annex Table 3: Shares in total exports of commercial services and components  
by country group and major exporter a  
(ranked by 1988 values)

	Commercial Services				Other				Other Services and Income			
	Total				Transport				Travel			
	1970	1988	1970	1988	1970	1988	1970	1988	1970	1988	1970	1988
<b>World</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Developed Countries</b>	87.4	82.9	93.7	83.0	91.4	83.1	82.7	80.3	80.9	78.8	90.3	86.8
of which:												
United States	15.1	15.3	8.1	7.2	17.1	25.1	25.0	20.5	12.4	16.1	18.0	14.1
France	6.8	10.0	8.9	10.2	.	0.0	.	14.5	7.0	7.6	9.1	12.1
United Kingdom	12.1	8.0	18.9	5.9	18.2	12.4	10.7	5.7	5.5	6.0	13.3	10.3
Germany, Federal Rep	7.9	7.3	9.9	7.0	13.3	9.9	5.6	5.2	7.1	4.6	7.4	9.7
Italy	7.4	6.0	5.5	8.2	10.9	4.0	3.8	1.1	8.7	6.8	8.4	6.4
Japan	4.1	5.9	7.3	11.7	4.4	3.2	6.7	8.7	1.2	1.6	3.4	7.1
Spain	3.6	4.2	0.7	1.8	4.0	4.9	1.9	3.0	8.9	9.2	1.3	1.1
Netherlands	4.9	3.9	5.7	5.6	6.6	3.9	9.7	8.1	2.3	1.6	4.5	4.0
Belgium	3.5	3.6	2.1	4.7	1.5	2.1	1.7	2.2	1.9	1.9	6.9	5.4
Austria	2.1	2.6	0.6	1.6	0.0	0.0	0.1	0.2	5.3	4.7	1.2	2.4
Others	19.9	16.2	26.0	19.1	15.4	17.7	17.6	11.4	20.5	18.8	16.9	14.2
<b>Developing Countries</b>	12.5	17.0	6.3	17.0	8.6	16.8	17.3	19.5	18.9	21.0	9.5	13.1
of which:												
Korea, Republic of	0.3	1.6	0.3	2.8	0.2	2.0	0.2	0.4	0.1	1.7	0.5	1.4
Singapore	0.6	1.6	0.1	1.6	.	0.0	3.1	3.2	0.5	1.3	0.0	1.6
Hong Kong	0.7	1.5	0.0	1.2	0.0	0.0	0.6	4.3	2.1	1.8	0.0	0.7
Mexico	2.3	1.4	0.0	0.0	1.2	1.0	0.1	0.4	6.2	2.2	1.4	1.6
Thailand	0.3	0.9	0.1	0.6	0.2	1.0	0.1	0.2	0.6	1.7	0.2	0.6
China	.	0.8	.	1.8	.	1.3	.	0.5	.	1.0	.	0.2
Egypt	0.2	0.7	.	0.0	.	1.1	0.1	2.7	.	0.5	0.6	0.5
Israel	0.8	0.7	0.7	1.0	1.6	0.9	0.6	0.3	0.6	0.7	0.9	0.7
India	0.4	0.6	0.6	0.7	.	0.0	0.9	0.2	0.2	0.7	0.4	0.6
Philippines	0.3	0.5	0.2	0.2	0.1	0.1	0.1	0.1	0.5	0.2	0.2	1.0
Others	6.7	6.8	4.3	7.1	5.3	9.4	11.6	7.2	8.2	9.1	5.2	4.2

a/ When values for 1988 were not available, 1987 values were employed

Annex Table 4: Shares in total imports of commercial services and components  
by country group and major importer a (ranked by 1988 values)

	Commercial Services				Other Transport				Travel				Other Services and Income			
	Total				Passenger				Freight				and Income			
	1970	1988	1970	1988	1970	1988	1970	1988	1970	1988	1970	1988	1970	1988	1970	1988
<b>World</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Developed Countries</b>	82.3	81.8	75.0	73.0	82.2	86.5	89.5	81.6	83.9	86.2	83.1	82.3				
of which:																
United States	13.5	11.8	9.4	9.9	39.2	23.6	11.6	11.7	22.2	17.4	5.6	6.2				
Germany, Federal Rep	12.7	11.1	9.9	5.9	13.0	12.3	7.0	5.5	15.6	13.5	15.5	13.6				
Japan	7.1	11.1	8.9	6.9	5.5	14.5	11.5	14.9	1.7	10.1	8.5	12.6				
France	6.2	7.5	9.3	7.5	.	0.0	.	12.3	6.2	5.2	7.9	9.3				
United Kingdom	9.3	6.2	5.4	4.3	9.4	13.4	27.4	9.7	5.1	7.8	6.6	3.8				
Italy	5.6	5.0	7.1	6.5	2.6	2.8	3.3	2.8	4.1	3.2	7.4	6.6				
Switzerland	1.5	4.1	0.8	11.5	.	2.8	.	0.1	2.4	2.7	2.5	2.7				
Netherlands	4.2	3.8	5.1	5.1	5.1	3.3	3.1	2.5	3.4	3.6	4.8	3.8				
Belgium	2.8	3.2	1.5	1.9	1.5	2.2	1.2	2.3	2.7	2.5	5.3	4.9				
Canada	4.7	2.9	2.5	0.9	0.0	0.0	2.0	0.4	7.6	4.2	6.2	4.0				
Others	14.7	15.0	15.1	12.6	6.0	11.7	22.4	19.6	13.1	15.8	13.1	14.8				
<b>Developing Countries</b>	17.5	18.1	24.4	27.0	17.8	13.4	10.5	18.3	16.0	13.8	16.4	17.6				
of which:																
Saudi Arabia	0.3	1.5	0.5	1.5	.	0.0	0.2	0.0	0.6	0.0	0.0	3.3				
Taiwan, Prov. of China	0.4	1.4	0.7	1.3	0.0	0.0	0.5	2.1	0.1	1.4	0.2	1.5				
Korea, Republic of	0.4	1.1	0.8	0.8	0.2	0.5	0.1	2.9	0.1	0.7	0.5	1.1				
Mexico	1.7	1.0	0.7	0.7	1.7	0.9	0.1	0.6	4.2	1.7	1.3	0.7				
Singapore	0.3	1.0	0.9	2.2	.	0.0	0.3	0.0	0.1	0.5	0.2	1.1				
Hong Kong	0.2	0.9	0.0	1.2	1.6	1.5	0.0	0.3	0.4	1.3	0.0	0.6				
Indonesia	0.4	0.7	0.8	1.2	.	0.0	0.0	0.4	0.1	0.3	0.7	1.0				
Israel	0.6	0.7	0.2	0.4	0.6	0.6	1.0	1.6	0.3	0.6	1.1	0.8				
India	0.7	0.7	1.5	1.7	.	0.0	0.8	1.0	0.1	0.2	0.7	0.7				
Malaysia	0.4	0.7	0.6	1.2	.	0.6	0.3	0.6	0.3	0.7	0.4	0.5				
Others	12.0	8.3	17.7	14.6	13.6	9.3	7.2	8.7	9.7	6.2	11.3	6.3				

a/ When values for 1988 were not available, 1987 values were employed

Annex Table 5: Value of exports of commercial services and components  
by country group and major exporter a  
(billions of US \$; ranked by 1988 values)

	Commercial Services Total			Shipment			Passenger			Other Transport			Travel			Other Services and Income		
	1970	1988		1970	1988		1970	1988		1970	1988		1970	1988		1970	1988	
<b>World</b>	63.90	581.0		13.73	74.39		3.16	35.52		8.09	66.35		18.78	181.5		20.13	223.2	
<b>Developed Countries</b>	55.83	481.5		12.87	61.72		2.89	29.53		6.69	53.30		15.20	143.1		18.19	193.8	
of which:																		
United States	9.62	88.70		1.11	5.34		0.54	8.90		2.02	13.59		2.33	29.31		3.62	31.57	
France	4.38	57.91		1.22	7.56		.	0.00		.	9.61		1.32	13.76		1.84	26.98	
United Kingdom	7.74	46.28		2.59	4.36		0.58	4.39		0.86	3.76		1.04	10.82		2.67	22.95	
Germany, Federal Rep	5.04	42.23		1.36	5.24		0.42	3.52		0.45	3.44		1.33	8.41		1.48	21.61	
Italy	4.73	34.92		0.75	6.12		0.35	1.41		0.31	0.72		1.64	12.33		1.69	14.33	
Japan	2.60	34.26		1.00	8.71		0.14	1.14		0.54	5.75		0.23	2.89		0.69	15.76	
Spain	2.31	24.24		0.10	1.35		0.12	1.74		0.15	1.96		1.68	16.65		0.25	2.55	
Netherlands	3.11	22.56		0.79	4.14		0.21	1.38		0.78	5.36		0.43	2.85		0.90	8.82	
Belgium	2.22	21.13		0.29	3.50		0.05	0.76		0.14	1.43		0.35	3.43		1.40	12.01	
Austria	1.33	15.27		0.08	1.18		0.00	0.00		0.01	0.13		1.00	8.52		0.24	5.44	
Others	12.75	93.97		3.57	14.22		0.49	6.28		1.42	7.54		3.86	34.14		3.40	31.79	
<b>Developing Countries</b>	8.00	98.90		0.87	12.67		0.27	5.96		1.40	12.92		3.56	38.16		1.91	29.20	
of which:																		
Korea, Republic of	0.18	9.27		0.04	2.08		0.00	0.71		0.02	0.26		0.02	3.12		0.10	3.10	
Singapore	0.35	9.20		0.01	1.21		.	0.00		0.25	2.10		0.09	2.40		0.00	3.49	
Hong Kong	0.45	8.66		0.00	0.89		0.00	0.00		0.05	2.85		0.40	3.32		0.00	1.60	
Mexico	1.50	8.24		0.00	0.00		0.04	0.37		0.01	0.29		1.17	3.99		0.28	3.58	
Thailand	0.17	5.40		0.01	0.46		0.00	0.37		0.01	0.13		0.10	3.12		0.04	1.32	
China	.	4.38		.	1.31		.	0.45		.	0.30		.	1.80		.	0.52	
Egypt	0.12	4.22		.	0.00		.	0.37		0.01	1.82		.	0.89		0.11	1.14	
Israel	0.49	4.10		0.10	0.77		0.05	0.31		0.05	0.22		0.11	1.34		0.19	1.46	
India	0.28	3.27		0.08	0.53		.	0.00		0.07	0.16		0.04	1.34		0.09	1.24	
Philippines	0.18	2.91		0.03	0.14		0.00	0.05		0.00	0.04		0.09	0.40		0.05	2.28	
Others	4.28	39.27		0.59	5.28		0.17	3.33		0.94	4.75		1.53	16.45		1.05	9.47	

a/ When values for 1988 were not available, 1987 values were employed

Annex Table 6: Value of imports of commercial services and components  
by country group and major importer a  
(billions of US \$; ranked by 1988 values)

	Commercial Services				Other				Other Services			
	Total				Transport				Travel and Income			
	1970	1988	1970	1988	1970	1988	1970	1988	1970	1988	1970	1988
<b>World</b>	67.3	620.0	16.9	119.0	3.09	33.5	10.6	67.0	18.0	185.0	18.8	215.0
<b>Developed Countries</b>	55.4	507.0	12.7	86.7	2.54	29.0	9.46	54.7	15.1	159.0	15.6	177.0
of which:												
United States	9.06	73.2	1.59	11.8	1.21	7.89	1.23	7.82	3.98	32.2	1.05	13.5
Germany, Federal rep	8.52	69.0	1.67	6.97	0.40	4.11	0.74	3.66	2.80	24.9	2.91	20.5
Japan	4.78	68.9	1.50	8.21	0.17	4.86	1.21	9.96	0.31	18.7	1.59	27.1
France	4.17	46.8	1.57	8.89	.	0.00	.	8.21	1.11	9.69	1.49	20.0
United Kingdom	6.25	38.6	0.91	5.06	0.29	4.50	2.89	6.50	0.92	14.4	1.23	8.12
Italy	3.75	30.8	1.20	7.71	0.08	0.94	0.35	1.90	0.73	5.96	1.39	14.3
Switzerland	1.02	25.5	0.13	13.6	.	0.93	.	0.03	0.43	5.05	0.47	5.86
Netherlands	2.86	23.7	0.87	6.11	0.16	1.10	0.33	1.69	0.60	6.69	0.90	8.11
Belgium	1.90	19.7	0.25	2.27	0.04	0.73	0.12	1.52	0.49	4.60	0.99	10.6
Canada	3.15	17.7	0.42	1.09	0.00	0.00	0.21	0.30	1.36	7.82	1.16	8.53
Others	9.91	93.2	2.55	15.00	0.18	3.91	2.36	13.1	2.35	29.2	2.46	32.0
<b>Developing Countries</b>	11.8	112	4.12	32.0	0.55	4.50	1.11	12.3	2.88	25.4	3.09	38.0
of which:												
Saudi Arabia	0.20	9.00	0.08	1.83	.	0.00	0.02	0.00	0.10	0.00	0.00	7.17
Taiwan, Prov. of China	0.24	8.87	0.12	1.59	0.00	0.00	0.05	1.44	0.03	2.64	0.04	3.20
Korea, Republic of	0.27	6.76	0.14	0.99	0.01	0.18	0.01	1.97	0.01	1.21	0.10	2.41
Mexico	1.17	6.23	0.12	0.82	0.05	0.30	0.01	0.41	0.75	3.21	0.24	1.49
Singapore	0.23	5.91	0.15	2.58	.	0.00	0.03	0.00	0.01	0.93	0.04	2.40
Hong Kong	0.13	5.87	0.00	1.40	0.05	0.50	0.00	0.23	0.08	2.48	0.00	1.26
Indonesia	0.30	4.59	0.14	1.49	.	0.00	0.00	0.27	0.02	0.59	0.13	2.24
Israel	0.42	4.59	0.04	0.48	0.02	0.21	0.11	1.04	0.05	1.14	0.21	1.72
India	0.48	4.58	0.25	2.06	.	0.00	0.08	0.69	0.02	0.35	0.12	1.48
Malaysia	0.26	4.43	0.10	1.41	.	0.19	0.03	0.43	0.04	1.36	0.08	1.03
Others	8.05	51.40	2.98	17.40	0.42	3.11	0.76	5.80	1.75	11.5	2.13	13.6

a/ When values for 1988 were not available, 1987 values were employed

Annex Table 7: Share of commercial services in total exports of merchandise and commercial services, by country (ranked by 1987 ratios)

	1970	1980	1987	1988
<b><u>TOTAL</u></b>	19.1	17.2	19.2	19.1
<b><u>DEVELOPED COUNTRIES</u></b>	20.0	18.8	19.9	19.2
GREECE	41.7	49.3	44.3	46.9
SPAIN	48.2	36.0	39.2	38.0
AUSTRIA	32.0	39.2	35.8	33.7
NORWAY	46.3	31.4	28.3	29.2
FRANCE	19.6	28.6	27.6	26.5
YUGOSLAVIA	29.8	33.3	27.4	.
PORTUGAL	.	30.5	26.5	25.6
TURKEY	19.8	17.0	25.5	30.6
UNITED KINGDOM	28.4	24.0	24.8	24.5
UNITED STATES	18.5	13.7	23.3	21.7
DENMARK	25.0	.	23.1	24.1
NEW ZEALAND	12.1	14.2	23.0	22.1
ICELAND	32.2	18.2	22.8	22.0
ITALY	26.5	22.7	22.1	21.4
SWITZERLAND	25.4	20.5	20.6	16.4
BELGIUM	19.7	20.8	20.0	20.0
NETHERLANDS	22.2	20.7	19.8	18.6
SWEDEN	16.6	19.6	16.5	16.4
HUNGARY	14.2	8.0	16.5	16.5
AUSTRALIA	15.6	14.8	16.4	17.6
POLAND	.	12.6	15.6	15.1
FINLAND	15.9	16.5	15.5	16.1
GERMANY, FEDERAL REP	12.8	14.2	13.0	12.0
JAPAN	12.1	13.0	11.0	11.6
IRELAND	21.7	13.8	11.0	10.5
SOUTH AFRICA	16.8	10.5	10.6	10.5
CANADA	12.0	9.4	9.8	9.9
<b><u>DEVELOPING COUNTRIES</u></b>	14.5	12.0	16.1	18.6
LESOTHO	.	83.0	87.6	84.5
ANTIGUA AND BARBUDA	.	42.8	87.1	.
BARBADOS	62.4	67.0	79.4	.
CYPRUS	28.1	47.7	66.4	67.4
MALDIVES	.	80.4	65.9	.
JAMAICA	32.8	30.4	55.3	50.2
DOMINICAN REPUBLIC	15.1	24.1	54.2	48.7
EGYPT	13.2	37.6	52.7	61.7
MALTA	57.2	48.3	47.2	.
KENYA	32.6	35.4	39.5	38.9
FIJI	40.6	38.7	38.4	38.1
GAMBIA	6.5	27.1	37.0	37.6
TUNISIA	32.7	32.2	35.6	42.3
HAITI	18.5	28.1	32.7	35.0
MOROCCO	26.1	23.6	32.0	31.3
PHILIPPINES	14.5	22.0	31.8	29.1
BELIZE	.	.	30.7	34.8



Annex Table 7: Share of commercial services in total exports of  
merchandise and commercial services, by country (ranked by 1987 ratios)  
(continuation)

	1970	1980	1987	1988
ISRAEL	37.8	33.4	29.7	29.1
PARAGUAY	24.2	34.3	27.1	21.5
TOGO	6.1	11.4	26.0	25.0
MAURITIUS	24.2	23.3	25.8	27.3
MEXICO	52.6	25.3	24.9	28.5
THAILAND	20.1	21.3	24.6	25.5
PERU	14.8	14.5	24.3	25.3
URUGUAY	20.9	29.8	23.6	20.3
RWANDA	1.2	12.1	22.5	21.9
TANZANIA UNITED REP.	19.8	24.5	22.4	25.5
COSTA RICA	15.2	15.4	22.3	24.6
ARGENTINA	13.0	15.6	21.7	17.0
INDIA	12.8	25.6	21.6	.
SINGAPORE	19.6	24.8	21.2	19.5
SURINAME	9.8	15.4	18.7	5.1
SRI LANKA	8.9	17.4	18.1	17.4
PAKISTAN	9.4	18.0	17.3	13.8
SIERRA LEONE	11.9	19.5	17.1	.
COLOMBIA	20.8	25.0	16.8	19.9
CHILE	10.0	20.6	16.7	14.3
BANGLADESH	.	17.8	16.4	15.3
KOREA, REPUBLIC OF	16.9	20.7	15.3	13.4
COTE D'IVOIRE	7.9	14.5	15.2	17.9
HONG KONG	13.0	.	15.1	.
CHAD	24.6	0.5	14.2	.
CENTRAL AFRICAN REP.	22.4	5.1	13.8	.
TRINIDAD & TOBAGO	33.2	18.3	13.0	.
GUATEMALA	12.7	11.4	12.0	.
HONDURAS	8.2	9.1	11.8	10.9
MALAYSIA	4.1	8.1	11.7	10.7
CHINA	.	.	10.9	9.6
ZIMBABWE	.	9.3	9.6	10.8
BOTSWANA	.	20.7	9.2	10.3
KUWAIT	.	5.1	9.0	11.2
NIGER	14.6	5.8	8.9	6.3
ZAIRE	0.2	3.6	8.5	5.5
GHANA	8.9	8.5	8.1	.
CONGO, REPUBLIC	.	10.4	7.9	10.3
MALAWI	24.7	10.2	7.1	.
BRAZIL	9.7	7.8	6.7	.
GABON	13.8	12.4	6.3	13.2
INDONESIA	1.3	1.5	5.8	6.5
MAURITANIA	3.9	11.3	5.8	.
ALGERIA	8.0	3.2	5.5	.
ZAMBIA	0.7	8.0	4.5	4.1
NIGERIA	5.3	4.2	2.9	4.4
BURUNDI	.	.	2.8	1.7
UGANDA	8.9	1.2	0.0	0.0

Note: Countries not reporting in 1987 were not included

**Annex Table 8: Share of commercial services in total imports of merchandise and commercial services, by country (ranked by 1987 ratios)**

	1970	1980	1987	1988
<b><u>TOTAL</u></b>	20.3	18.2	19.6	19.9
<b><u>DEVELOPED COUNTRIES</u></b>	20.4	17.3	19.6	20.1
YUGOSLAVIA	17.5	27.1	33.5	.
NORWAY	23.6	29.4	30.4	30.9
JAPAN	24.2	20.6	29.1	29.5
NEW ZEALAND	23.0	23.1	26.7	30.3
ICELAND	32.9	22.1	25.7	26.6
SOUTH AFRICA	22.9	20.6	23.7	20.6
GERMANY, FEDERAL REP	22.9	21.4	23.6	23.1
AUSTRIA	16.8	19.6	23.0	20.2
AUSTRALIA	25.3	24.4	22.8	22.4
DENMARK	16.5	.	22.3	23.4
FRANCE	19.1	21.7	22.3	21.7
NETHERLANDS	19.5	20.3	21.0	20.8
SWEDEN	21.6	17.5	21.0	21.7
FINLAND	14.0	14.6	20.4	21.6
ITALY	21.7	14.7	18.6	19.3
UNITED KINGDOM	24.2	18.9	18.5	17.7
BELGIUM	18.1	18.8	18.3	19.0
IRELAND	12.5	13.0	16.1	16.7
SWITZERLAND	13.9	15.4	16.1	34.4
HUNGARY	9.0	8.4	15.6	18.4
POLAND	.	11.3	15.3	15.9
SPAIN	16.0	14.3	15.3	15.4
CANADA	18.7	14.1	14.8	14.3
UNITED STATES	18.5	10.5	14.1	14.1
PORTUGAL	.	13.9	13.5	13.5
GREECE	13.5	12.7	13.1	15.0
TURKEY	18.1	5.8	10.3	11.1
<b><u>DEVELOPING COUNTRIES</u></b>	20.2	21.7	19.5	18.4
CONGO, REPUBLIC	.	46.5	53.1	51.5
GABON	48.2	52.7	49.6	49.5
CHAD	41.1	26.5	46.3	.
CENTRAL AFRICAN REP.	48.1	41.0	42.3	.
MALAWI	25.4	37.4	42.2	.
COTE D'IVOIRE	26.0	35.9	41.7	45.9
KUWAIT	.	28.0	41.5	40.4
MAURITANIA	25.8	26.3	36.5	.
TOGO	16.9	22.6	34.2	35.4
HAITI	24.1	28.8	33.3	33.8
TRINIDAD & TOBAGO	29.1	25.9	32.2	.
BARBADOS	23.9	19.1	31.3	.
UGANDA	26.9	24.7	31.1	31.9
FIJI	18.4	18.8	30.8	28.1
ZAIRE	15.4	31.6	30.7	28.0
BURUNDI	.	.	30.7	26.4
COLOMBIA	28.3	21.5	30.7	25.5

Annex Table 8: Share of commercial services in total imports of  
merchandise and commercial services, by country (ranked by 1987 ratios)  
(continuation)

	1970	1980	1987	1988
ARGENTINA	25.1	28.1	30.3	33.3
JAMAICA	24.7	25.8	30.1	30.0
MEXICO	34.4	25.0	29.4	24.8
MALDIVES	.	47.8	28.5	.
PERU	26.0	21.1	28.3	32.9
CHILE	23.5	22.2	26.8	26.8
ZAMBIA	20.9	36.5	26.2	27.5
INDONESIA	21.0	21.1	25.6	25.1
NIGER	30.8	28.1	25.6	19.0
BELIZE	.	.	25.6	26.4
MALTA	19.8	20.9	25.4	.
RWANDA	26.5	34.4	25.2	27.0
SIERRA LEONE	17.6	18.0	25.1	.
EGYPT	16.9	24.3	25.0	22.7
ISRAEL	18.0	21.7	24.5	25.9
CYPRUS	18.7	20.6	24.5	23.3
MALAYSIA	16.7	22.1	23.9	22.5
ZIMBABWE	.	24.2	23.7	25.3
COSTA RICA	16.3	16.9	23.5	24.2
URUGUAY	34.9	20.6	23.1	23.0
GAMBIA	18.1	16.8	23.1	22.9
MAURITIUS	28.7	24.5	22.1	22.0
SRI LANKA	15.9	15.7	21.6	20.7
INDIA	19.2	17.4	20.6	.
KENYA	22.5	16.5	19.7	19.9
BRAZIL	21.5	16.2	19.6	.
DOMINICAN REPUBLIC	23.3	20.6	18.3	18.4
SURINAME	25.9	29.8	18.0	22.2
HONDURAS	16.5	15.1	17.6	17.8
PARAGUAY	20.0	19.2	17.5	27.1
NIGERIA	26.9	26.8	17.5	16.4
ALGERIA	17.0	21.2	16.9	.
THAILAND	17.5	16.4	16.4	16.5
ANTIGUA AND BARBUDA	.	13.0	16.4	.
GUATEMALA	20.1	24.4	15.9	.
GHANA	22.4	17.3	15.5	.
PAKISTAN	13.8	11.8	15.0	15.5
PHILIPPINES	18.2	14.7	14.3	13.9
BANGLADESH	.	15.9	14.3	15.4
BOTSWANA	.	24.8	14.0	14.6
SINGAPORE	9.2	11.4	13.8	12.8
TUNISIA	18.1	14.1	13.7	13.1
MOROCCO	19.6	16.1	13.6	14.3
KOREA, REPUBLIC OF	13.0	15.4	12.1	12.3
HONG KONG	3.5	.	10.7	.
TANZANIA UNITED REP.	19.6	10.8	7.8	8.5
LESOTHO	.	5.9	6.9	7.7
CHINA	.	.	6.0	6.3

Note: Countries not reporting in 1987 were not included



Annex Table 9: Relative importance of components of commercial services exports by country, 1988 <sup>a</sup>

	Commercial Services Total	Shipment	Passenger	Other Transport	Travel	Other Services & Income
<u>WORLD</u>	100.00	12.80	6.11	11.42	31.25	38.42
<u>DEVELOPED COUNTRIES</u>	100.00	12.82	6.13	11.07	29.72	40.26
AUSTRALIA	100.00	5.80	18.18	18.54	39.57	17.91
AUSTRIA	100.00	7.73	0.00	0.86	55.81	35.60
BELGIUM	100.00	16.57	3.61	6.77	16.23	56.82
CANADA	100.00	4.65	0.00	2.49	45.18	47.68
DENMARK	100.00	24.42	1.10	11.47	27.54	35.47
FINLAND	100.00	15.98	10.54	11.70	23.56	38.22
FRANCE	100.00	13.06	0.00	16.60	23.75	46.59
GERMANY, FEDERAL REP	100.00	12.41	8.34	8.15	19.92	51.18
GREECE	100.00	2.61	0.56	4.20	46.09	46.53
HUNGARY	100.00	3.50	0.00	0.00	42.80	53.70
ICELAND	100.00	16.83	29.75	6.49	26.64	20.28
IRELAND	100.00	1.43	13.13	22.59	45.92	16.93
ITALY	100.00	17.53	4.05	2.07	35.31	41.04
JAPAN	100.00	25.42	3.33	16.79	8.43	46.02
NETHERLANDS	100.00	18.36	6.14	23.76	12.65	39.10
NEW ZEALAND	100.00	8.42	15.65	15.65	43.07	17.22
NORWAY	100.00	51.24	6.83	6.31	15.42	20.20
POLAND	100.00	39.70	5.82	11.64	8.32	34.53
PORTUGAL	100.00	3.79	3.87	11.05	65.54	15.75
SOUTH AFRICA	100.00	9.02	8.04	16.24	25.67	41.03
SPAIN	100.00	5.56	7.17	8.09	68.67	10.52
SWEDEN	100.00	20.71	7.95	8.78	24.29	38.27
SWITZERLAND	100.00	3.87	11.97	0.00	48.69	35.47
TURKEY	100.00	14.89	0.00	1.16	45.58	38.37
UNITED KINGDOM	100.00	9.41	9.49	8.13	23.38	49.59
UNITED STATES	100.00	6.02	10.03	15.32	33.05	35.59
YUGOSLAVIA	100.00	10.55	7.89	15.77	38.68	27.11
<u>DEVELOPING COUNTRIES</u>	100.00	12.81	6.02	13.06	38.58	29.53
ALGERIA	100.00	36.52	13.97	0.00	19.12	30.39
ANTIGUA AND BARBUDA	100.00	0.00	0.00	0.00	98.28	1.72
ARGENTINA	100.00	18.04	14.32	18.32	33.72	15.60
BANGLADESH	100.00	0.75	0.00	12.25	5.78	81.22
BARBADOS	100.00	0.59	0.00	6.60	75.39	17.42
BELIZE	100.00	0.00	0.00	20.05	49.87	30.08
BOTSWANA	100.00	16.05	4.19	0.00	41.82	37.94
BRAZIL	100.00	40.16	7.45	22.06	5.40	24.93
BURUNDI	100.00	31.25	37.50	0.00	0.00	31.25
CENTRAL AFRICAN REP.	100.00	18.47	0.00	17.83	43.31	20.38
CHAD	100.00	5.00	4.29	7.14	30.71	52.86
CHILE	100.00	22.22	7.33	7.45	17.18	45.82
CHINA	100.00	29.88	10.29	6.94	41.06	11.82
COLOMBIA	100.00	8.40	12.50	20.38	29.94	28.78
CONGO, REPUBLIC	100.00	0.00	0.00	0.00	0.00	100.00
COSTA RICA	100.00	1.77	11.04	6.13	46.58	34.48
COTE D'IVOIRE	100.00	25.64	35.15	0.00	14.01	25.20
CYPRUS	100.00	1.13	10.75	7.80	62.07	18.25
DOMINICAN REPUBLIC	100.00	1.43	0.00	2.82	72.73	23.02

Annex Table 9: Relative importance of components of commercial services exports by country, 1988 <sup>a</sup> (continuation)

	<i>Commercial Services</i>		<i>Other</i>		<i>Other Services</i>	
	<i>Total</i>	<i>Shipment</i>	<i>Passenger</i>	<i>Transport</i>	<i>Travel</i>	<i>&amp; Income</i>
EGYPT	100.00	0.00	8.89	43.13	20.99	26.98
FIJI	100.00	0.63	14.56	14.19	59.95	10.67
GABON	100.00	3.03	24.45	5.32	3.91	63.29
GAMBIA	100.00	4.07	0.00	8.17	85.43	2.33
GHANA	100.00	21.45	15.96	7.98	2.66	51.95
GUATEMALA	100.00	0.19	0.00	6.69	37.60	55.52
HAITI	100.00	4.13	0.00	4.13	87.94	3.81
HONDURAS	100.00	8.59	13.25	31.04	25.15	21.96
HONG KONG	100.00	10.28	0.00	32.91	38.34	18.48
INDIA	100.00	16.19	0.00	4.87	40.96	37.99
INDONESIA	100.00	0.00	0.00	3.29	95.51	1.20
ISRAEL	100.00	18.78	7.44	5.28	32.78	35.73
JAMAICA	100.00	1.34	12.98	5.95	63.38	16.35
KENYA	100.00	7.07	15.41	14.16	60.73	2.63
KOREA, REPUBLIC OF	100.00	22.48	7.64	2.78	33.63	33.47
KUWAIT	100.00	42.60	20.33	23.92	13.15	0.00
LESOTHO	100.00	0.00	0.96	0.12	3.47	95.46
MALAWI	100.00	1.21	56.97	0.00	41.82	0.00
MALAYSIA	100.00	24.41	14.33	10.45	30.77	20.04
MALDIVES	100.00	33.33	0.00	8.90	57.39	0.38
MALTA	100.00	2.11	9.75	17.42	59.65	11.06
MAURITANIA	100.00	0.00	0.00	37.17	56.02	6.81
MAURITIUS	100.00	0.86	23.96	13.71	47.11	14.36
MEXICO	100.00	0.00	4.52	3.51	48.45	43.52
MOROCCO	100.00	12.37	2.46	1.06	67.16	16.95
NIGER	100.00	18.92	54.05	0.00	27.03	0.00
NIGERIA	100.00	27.31	3.21	5.22	16.06	48.19
PAKISTAN	100.00	7.09	9.96	30.65	19.16	33.14
PARAGUAY	100.00	1.12	5.19	0.00	37.89	55.80
PERU	100.00	11.75	5.29	15.27	42.44	25.26
PHILIPPINES	100.00	4.67	1.71	1.34	13.91	78.37
RWANDA	100.00	31.30	0.41	36.99	22.36	8.94
SIERRA LEONE	100.00	0.90	0.00	25.11	69.51	4.48
SINGAPORE	100.00	13.15	0.00	22.85	26.07	37.93
SRI LANKA	100.00	4.07	11.38	24.02	19.99	40.55
SURINAME	100.00	2.78	12.50	3.47	29.86	51.39
TANZANIA UNITED REP.	100.00	0.00	29.93	0.00	25.29	44.78
THAILAND	100.00	8.51	6.85	2.46	57.75	24.42
TOGO	100.00	4.96	4.59	18.86	39.08	32.51
TRINIDAD & TOBAGO	100.00	0.00	32.22	18.24	44.77	4.76
TUNISIA	100.00	4.43	10.23	2.75	75.88	6.72
UGANDA	0.00	0.00	0.00	0.00	0.00	0.00
URUGUAY	100.00	3.64	7.13	9.45	56.60	23.18
VENEZUELA	100.00	12.45	17.72	12.88	37.77	19.18
ZAIRE	100.00	0.00	.	16.67	5.21	78.12
ZAMBIA	100.00	68.42	21.05	0.00	10.53	0.00
ZIMBABWE	100.00	10.94	18.12	14.98	27.80	28.15

a/ When values for 1988 were not available, 1987 values were employed  
Countries not reporting in either 1987 or 1988 were not included

Annex Table 10: Relative importance of components of commercial services imports by country, 1988 <sup>a</sup>

	Commercial Services Total	Shipment	Passenger	Other Transport	Travel	Other Services & Income
<u>WORLD</u>	100.00	19.18	5.40	10.81	29.83	34.76
<u>DEVELOPED COUNTRIES</u>	100.00	17.11	5.72	10.79	31.43	34.96
AUSTRALIA	100.00	23.26	13.30	7.92	30.44	25.08
AUSTRIA	100.00	12.81	0.00	1.42	52.50	33.27
BELGIUM	100.00	11.54	3.69	7.71	23.38	53.68
CANADA	100.00	6.14	0.00	1.67	44.10	48.09
DENMARK	100.00	15.04	0.00	22.56	39.22	23.18
FINLAND	100.00	16.62	8.78	6.44	32.41	35.74
FRANCE	100.00	19.01	0.00	17.56	20.72	42.72
GERMANY, FEDERAL REP	100.00	10.11	5.96	5.30	36.15	42.48
GREECE	100.00	26.86	5.35	5.98	34.82	26.99
HUNGARY	100.00	20.80	0.00	0.00	33.23	45.97
ICELAND	100.00	5.01	0.00	37.47	43.15	14.37
IRELAND	100.00	22.39	0.00	13.70	32.64	31.26
ITALY	100.00	25.04	3.07	6.19	19.37	46.33
JAPAN	100.00	11.92	7.06	14.45	27.19	39.38
NETHERLANDS	100.00	25.80	4.64	7.12	28.22	34.22
NEW ZEALAND	100.00	14.20	11.06	10.92	36.73	27.08
NORWAY	100.00	5.10	0.00	35.61	34.03	25.26
POLAND	100.00	15.70	4.30	33.41	10.45	36.15
PORTUGAL	100.00	44.07	1.14	8.43	21.60	24.76
SOUTH AFRICA	100.00	25.53	4.85	8.86	21.55	39.21
SPAIN	100.00	19.98	5.60	12.76	23.30	38.36
SWEDEN	100.00	4.39	5.93	12.53	37.09	40.06
SWITZERLAND	100.00	53.40	3.66	0.14	19.81	22.99
TURKEY	100.00	23.44	0.00	10.26	20.99	45.30
UNITED KINGDOM	100.00	13.11	11.64	16.82	37.40	21.03
UNITED STATES	100.00	16.15	10.77	10.68	44.02	18.37
YUGOSLAVIA	100.00	19.16	0.00	15.40	1.58	63.85
<u>DEVELOPING COUNTRIES</u>	100.00	28.55	4.01	10.93	22.65	33.85
ALGERIA	100.00	44.86	6.05	0.00	17.77	31.32
ANTIGUA AND BARBUDA	100.00	51.03	0.00	0.00	29.23	19.73
ARGENTINA	100.00	8.07	9.72	19.60	39.76	22.84
BANGLADESH	100.00	62.71	0.00	8.69	20.00	8.61
BARBADOS	100.00	27.09	12.31	0.19	17.38	43.04
BELIZE	100.00	41.64	12.75	0.28	13.60	31.73
BOTSWANA	100.00	37.70	7.22	21.75	20.32	13.01
BRAZIL	100.00	16.67	3.35	38.27	7.82	33.90
BURUNDI	100.00	55.76	0.00	0.00	25.06	19.19
CENTRAL AFRICAN REP.	100.00	42.45	5.09	1.25	28.15	23.06
CHAD	100.00	44.72	2.99	2.13	23.99	26.18
CHILE	100.00	12.96	10.69	19.48	23.88	32.98
CHINA	100.00	44.56	0.00	28.54	20.34	6.56
COLOMBIA	100.00	18.58	5.82	13.98	34.72	26.91
CONGO, REPUBLIC	100.00	21.80	0.00	0.00	14.23	63.97
COSTA RICA	100.00	32.07	5.32	7.26	18.65	36.70
COTE D'IVOIRE	100.00	22.91	16.50	0.00	15.61	44.98
CYPRUS	100.00	36.60	12.14	9.03	26.93	15.30
DOMINICAN REPUBLIC	100.00	43.10	4.19	0.00	28.17	24.54

Annex Table 10: Relative importance of components of commercial services imports by country, 1988 <sup>a</sup> (continuation)

	Commercial Services Total	Shipment	Passenger	Other Transport	Travel	Other Services & Income
EGYPT	100.00	37.79	2.58	7.70	1.56	50.37
FIJI	100.00	35.43	7.65	11.44	22.18	23.30
GABON	100.00	20.92	4.68	0.90	17.37	56.14
GAMBIA	100.00	66.41	5.39	3.00	15.66	9.54
GHANA	100.00	42.17	14.55	9.73	6.61	26.95
GUATEMALA	100.00	46.52	2.77	0.56	12.96	37.19
HAITI	100.00	37.75	26.24	0.00	23.76	12.25
HONDURAS	100.00	39.38	2.58	4.96	18.67	34.42
HONG KONG	100.00	23.86	8.49	3.92	42.26	21.47
INDIA	100.00	45.00	0.00	14.97	7.66	32.37
INDONESIA	100.00	32.35	0.00	5.97	12.94	48.74
ISRAEL	100.00	10.54	4.57	22.64	24.84	37.40
JAMAICA	100.00	37.46	2.38	12.19	10.76	37.21
KENYA	100.00	64.44	3.63	8.37	5.13	18.43
KOREA, REPUBLIC OF	100.00	14.64	2.70	29.12	17.88	35.66
KUWAIT	100.00	20.76	4.16	6.71	66.96	1.41
LESOTHO	100.00	47.84	17.94	3.32	27.91	2.99
MALAWI	100.00	91.24	6.18	0.00	2.49	0.10
MALAYSIA	100.00	31.89	4.40	9.73	30.68	23.31
MALDIVES	100.00	12.72	0.00	68.86	15.35	3.07
MALTA	100.00	32.42	4.47	13.23	29.21	20.67
MAURITANIA	100.00	19.34	4.51	32.73	12.27	31.16
MAURITIUS	100.00	39.26	5.28	19.11	19.69	16.66
MEXICO	100.00	13.20	4.87	6.51	51.43	23.98
MOROCCO	100.00	47.87	4.25	5.36	22.55	19.96
NIGER	100.00	32.71	32.98	0.00	34.31	0.00
NIGERIA	100.00	39.70	7.01	2.75	4.26	46.29
PAKISTAN	100.00	47.85	9.65	3.88	27.28	11.33
PARAGUAY	100.00	38.02	4.32	8.01	15.39	34.26
PERU	100.00	14.67	8.18	15.27	28.14	33.73
PHILIPPINES	100.00	43.35	11.78	0.71	5.79	38.38
RWANDA	100.00	51.90	8.37	7.84	15.82	16.08
SIERRA LEONE	100.00	40.74	2.02	0.00	44.44	12.79
SINGAPORE	100.00	43.67	0.00	0.00	15.75	40.58
SRI LANKA	100.00	43.79	7.34	13.55	12.61	22.71
SURINAME	100.00	32.35	3.55	13.41	14.00	36.69
TANZANIA UNITED REP.	100.00	0.00	10.18	0.00	27.85	61.96
THAILAND	100.00	63.72	4.21	0.72	17.00	14.35
TOGO	100.00	30.13	14.09	4.18	19.87	31.73
TRINIDAD & TOBAGO	100.00	21.74	5.20	14.68	31.48	26.91
TUNISIA	100.00	35.88	14.50	11.45	22.39	15.78
UGANDA	100.00	54.35	0.00	0.00	0.00	45.65
URUGUAY	100.00	14.23	13.51	2.95	41.61	27.70
VENEZUELA	100.00	36.08	4.87	15.58	18.25	25.21
ZAIRE	100.00	48.53	.	5.88	2.52	43.07
ZAMBIA	100.00	56.70	11.86	0.00	18.56	12.89
ZIMBABWE	100.00	31.93	7.24	10.83	14.42	35.58

a/ When values for 1988 were not available, 1987 values were employed  
Countries not reporting in either 1987 or 1988 were not included



ANNEX TABLE 11: COUNTRY COVERAGE IN THE DATA BASE

AFGHNSTN	ALGERIA	ANTIGUA	ARGNTINA
AUSTRAL.	AUSTRIA	BAHAMAS	BAHRAIN
BANGLDSH	BARBADOS	BELGIUM	BOLIVIA
BOTSWANA	BRAZIL	BELIZE	SOLOMON
MYANMAR	BURUNDI	CAMEROON	CANADA
C.AF.REP	SR.LANKA	CHAD	CHILE
CHINA	TAIWAN	COLOMBIA	COMOROS
CONGO	ZAIRE	COSTARC	CYPRUS
BENIN	DENMARK	DOMINICA	DOMIN.RP
ECUADOR	SALVADOR	EQ.GUIN	ETHIOPIA
FIJI	FINLAND	FRANCE	GABON
GAMBIA	GRMNY.FR	GHANA	KIRIBATI
GREECE	GRENADA	GUATMALA	GUINEA
GUYANA	HAITI	HONDURAS	HONG KNG
HUNGARY	ICELAND	INDIA	INDONSIA
IRAN	IRAQ	IRELAND	ISRAEL
ITALY	C.IVOIRE	JAMAICA	JAPAN
JORDAN	KENYA	KOREA RP	KUWAIT
LAO PDR	LESOTHO	LIBERIA	LIBYA
MADAGSCR	MALAWI	MALAYSIA	MALDIVES
MALI	MALTA	MAURTNIA	MAURTIUS
MEXICO	MOROCCO	MOZMBQUE	OMAN
NEPAL	NETHLND	NETH.ANT	VANUATU
NEW ZLND	NICARGUA	NIGER	NIGERIA
NORWAY	PAKISTAN	PANAMA	PAPUA NG
PARAGUAY	PERU	PHILIPP.	POLAND
PORTUGAL	GUINEA B	ROMANIA	RWANDA
S KITT N	ST.LUCIA	ST.VINCT	S.TM.PRN
SAUD.ARB	SENEGAL	SEYCHLLS	SIERRA L
SINGAPOR	SOMALIA	S.AFRICA	ZIMBABWE
YEMEN D	SPAIN	SUDAN	SURINAME
SWAZILND	SWEDEN	SWITZRLD	SYRIAN R
THAILAND	TOGO	TONGA	TRINIDAD
TUNISIA	TURKEY	UGANDA	EGYPT
UK	TANZANIA	USA	BURKINA
URUGUAY	VENZUELA	SAMOA	YEMEN
YUGOSLAV	ZAMBIA		

**ANNEX TABLE 12**

**Percentage distribution of GDP by sector: 1965 and 1986**  
**or latest available year**

Region and Selected countries	Agriculture		Industry		Manufacturing		Services	
	1965	1986	1965	1986	1965	1986	1965	1986
<b>Developing economies</b>	29	19	29	36	n.a.	n.a.	42	46
Argentina	17	13	42	44	33	31	42	44
Brazil	19	11	33	39	26	28	48	50
Burma	35	48	13	13	9	10	52	39
Cameroon	32	22	17	35	10	12*	50	43
China	39	31	39	46	30	34	23	23
Congo	19	8*	19	54*	n.a.	6*	62	38*
Hong Kong	2	0	40	29	24	21	58	71
India	47	32	22	29	15	19	31	39
Indonesia	56	26	13	32	8	14	31	42
Mexico	14	9	31	39	21	26	54	52
Philippines	26	26	28	32	20	25	46	42
Rwanda	75	40	7	23	2	16	18	37
Singapore	3	1	24	38	15	27	73	62
Tanzania	46	59	14	10	8	6	40	31
Thailand	35	17	23	30	14	21	42	53
Togo	45	32	21	20	10	7	34	48
Zaire	21	29	26	36	16	n.a.	53	35
<b>Developed</b>	5	3	40	35	30	23*	55	61
Australia	9	5	39	34	26	17	51	62
Canada	6	3	40	36	27	n.a.	53	61
France	8	4	39	34	28	n.a.	53	63
Germany, Fed. Rep.	4	2	53	40	40	32	43	58
Italy	11	5	41	39	23	22	48	56
Japan	9	3	43	41	32	30	48	56
Spain	15	6	36	37	n.a.	27	49	56
United Kingdom	3	2	46	43	34	26	51	55
United States	3	2	38	31	28	20	59	67

**Notes:** \* : 1985

**Source:** World Bank, World Development Report, 1988.

**ANNEX TABLE 13**

Shares of employment by sector, 1950, 1965 and 1980

Region and Selected countries	Agriculture			Industry			Services		
	1950	1965	1980	1950	1965	1980	1950	1965	1980
<b>Developing economies</b>	81	70	62	7	12	16	12	18	22
Argentina	25	18	13	32	34	34	43	48	53
Brazil	60	49	31	17	20	27	24	31	42
Burma	70	64	53	9	14	19	20	23	28
Cameroon	92	86	70	3	4	8	5	9	22
China	88	81	74	5	8	14	7	11	12
Congo	67	66	62	10	11	12	21	23	26
Hong Kong	12	6	2	56	53	51	32	41	47
India	78	73	70	8	12	13	13	15	17
Indonesia	79	71	57	6	9	13	14	21	30
Mexico	60	50	37	17	22	29	23	29	35
Philippines	67	58	52	12	16	16	21	26	33
Rwanda	96	94	93	2	2	3	2	3	4
Singapore	8	6	2	20	27	38	71	68	61
Tanzania	94	92	86	2	3	5	4	6	10
Thailand	86	82	71	3	5	10	11	13	19
Togo	82	78	73	7	9	10	11	13	17
Zaire	87	82	72	7	9	13	6	9	16
<b>Developed</b>	22	14	7	36	38	35	42	48	58
Australia	15	10	7	40	38	32	45	52	61
Canada	20	10	5	36	33	29	44	57	65
France	31	18	9	35	39	35	34	43	56
Germany, Fed. Rep.	23	11	6	43	48	44	34	41	50
Italy	44	25	12	31	42	41	25	34	48
Japan	49	26	11	24	32	34	27	42	55
Spain	50	34	17	25	35	37	25	32	46
United Kingdom	6	3	3	49	47	38	45	50	59
United States	12	5	4	37	35	31	51	60	66

Source: ILO, Economically Active Population: Estimates and Projections, 1950-2025. Geneva, 1986.

**ANNEX TABLE 14**

**Passenger-kilometre ranking of the world's top 20 scheduled airlines in 1988<sup>1</sup>**

(millions)

Country or group of countries	Total operations <sup>2</sup>		International operations	
	Rank	Amount	Rank	Amount
United States	1	674300	1	152900
USSR	2	213169	12	14481
Japan	3	84900	3	45200
United Kingdom	4	83970	2	79200
France	5	47600	4	32000
Canada	6	44600	9	22500
Australia	7	40300	7	26208
Germany, Fed. Rep. of	8	34000	5	31180
Singapore	9	28000	6	28000
China, P. R. of	10	24430	30	5670
Netherlands	11	24130	8	24074
Brazil	12	23500	19	9670
Spain	13	22272	11	14842
Italy	14	19168	14	13874
India	15	18100	20	9270
Scandinavia <sup>3</sup>	16	17510	16	10880
Thailand	17	16300	10	15530
Indonesia	18	15450	17	10000
Republic of Korea	19	15200	15	13000
Saudi Arabia	20	15000	18	9900

<sup>1</sup>Preliminary estimates.

<sup>2</sup>International and domestic traffic.

<sup>3</sup>Three states, Denmark, Norway and Sweden, are partners in the consortium airline Scandinavian Airline System (SAS).

**ANNEX TABLE 15**

Market shares of international construction services  
(measured by new contracts awarded to the top 250 international contractors)  
(Billions of U.S. dollars and per cent share in brackets)

Country	1980	1981	1982	1983	1984	1985	1986	1987
United States	48.3 (45)	48.8 (36)	44.9 (36)	29.4 (31)	30.1 (37)	28.2 (35)	22.6 (31)	18.1 (24)
France	8.1 (7)	12.1 (9)	11.4 (9)	10.0 (11)	5.4 (7)	6.7 (8)	7.1 (10)	8.6 (12)
Germany, Fed. Rep. of	8.6 (8)	9.9 (7)	9.5 (8)	5.4 (6)	4.8 (6)	5.4 (7)	5.5 (7)	5.9 (8)
Italy	6.2 (6)	9.3 (7)	7.8 (6)	7.2 (8)	7.8 (10)	8.7 (11)	7.4 (10)	9.2 (12)
United Kingdom	4.9 (5)	8.7 (6)	7.5 (6)	6.4 (7)	5.7 (7)	5.6 (7)	7.0 (9)	7.9 (11)
Other Europe	9.2 (8)	12.6 (9)	10.3 (8)	9.1 (10)	7.2 (9)	6.2 (8)	6.7 (9)	8.9 (12)
Japan	4.1 (4)	8.6 (6)	9.3 (8)	8.7 (9)	7.3 (9)	11.6 (14)	9.4 (13)	9.9 (13)
Rep. of Korea	9.5 (9)	13.9 (10)	13.8 (11)	10.4 (11)	6.8 (8)	4.8 (6)	2.6 (4)	2.1 (3)
All other countries	9.4 (9)	10.5 (8)	8.6 (7)	7.0 (7)	5.9 (7)	4.4 (5)	5.6 (8)	3.3 (4)
TOTAL	108.3	134.4	123.1	93.6	80.5	81.6	73.9	73.9

Source: Engineering News Record, various issues.

Totals do not necessarily correspond to the sum of components due to rounding at component level.

ANNEX TABLE 16

Countries specialized in tourism, 1987

Country or Economy	Tourism receipts as % of private service exports	Average expenditure per arrival (US dollar)
Kenya	51	520
Mexico	52	650
Thailand	54	560
Belize	57	240
Guyana	57	320
Uruguay	57	460
Maldives	57	300
Cyprus	60	700
Malta	60	490
Paraguay	60	1 190
Portugal	64	350
Tunisia	64	360
Fiji	65	530
Jamaica	67	800
Spain	69	450
Barbados	71	800
Morocco	72	450
Dominican Republic	74	510
Indonesia	82	750
Gambia	88	490
Haiti	88	760
Antigua and Barbuda	98	660

Note: Figures may be biased for countries with incomplete coverage of the components of private services. This is the case for Indonesia in particular as it does not report shipment statistics.

Source: Column 2: IMF Balance of Payments Statistics  
Other : World Tourism Organization, Compendium of Tourism Statistics, 1983-87