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**OECD INQUIRY ON NATIONAL COLLECTION OF SERVICES PRODUCER  
PRICES  
Part 1: REPORT (PROVISIONAL)**

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The opinions expressed in this paper reflect those of the author and not necessarily those of the OECD nor its Member countries.

## **OECD INQUIRY ON NATIONAL COLLECTION OF SERVICES PRODUCER PRICES**

### **ABSTRACT**

As a contribution to the development work of the Voorburg Group on services producer price indices, this paper reports the outcome of the updating in 2000 of an OECD inquiry on Member Countries' practices in the field of data collection of these prices. Countries were asked to report on types of prices collected (list, transaction, mark-up, other) and types of services observed (simple service, composite services, service bundle, other) by ISIC group of service activity. Frequency of pricing and number of price quotations per period were asked for. Countries were invited to indicate for which CPC classes, within each ISIC group, prices are collected. Information was also sought on publication of services prices indices and availability of methodological reports on work in this area.

Responses show continued expansion of activity in 2000 in a relatively small but growing number of countries with a large diversity in both service sector coverage and national practices. Some service activities are well covered by a small number of countries, others are poorly covered or not at all. Coverage of services products varies among activity groups. In only a few cases are the service products of an activity group well covered and then it is only by small number of countries. There is also variation amongst types of prices collected and types of services priced though transaction prices and simple services are reported most frequently.

The paper raises questions on the future need for this survey.

### **ISSUES PARTICIPANTS MAY WISH TO ADDRESS**

- i. Is the report an accurate and useful reflection of activity? If not, what changes should be introduced?
- ii. Is further information required? If so what information?
- iii. On what issues should future work of the OECD focus?
- iv. Are there useful additions that could be made to the OECD webpage publicising this report and countries work on services PPIs?

## OECD INQUIRY ON NATIONAL COLLECTION OF SERVICES PRODUCER PRICES

### INTRODUCTION

1. There is a considerable effort being undertaken, in a small but growing number of national statistical agencies, to develop the collection of data on services producer prices. Some agencies have focused exclusively on prices of services provided to enterprises, while others have approached the subject more broadly through the development of services producer price indices. In order to measure the real output of services, it is seen as necessary to improve the range of deflators appropriate to particular service products. This need is accentuated by the growing weight of service sector output in GDP seen in most economies.
2. Further the UN Statistical Commission in 1999 asked the Voorburg Group to focus on the measurement of these prices. In 1999 the Voorburg Group asked OECD to continue with this study and enhance the information exchange role with the creation of a webpage. As a contribution to the work of the Voorburg Group, this report presents an update in 2000 of a previous study on prices of services to enterprises carried out by the National Accounts Division of the Statistics Directorate of the OECD. The original study was conducted by Ann Chadeau and this update largely preserves the structure and content that she created. The report is presented in two parts: Part 1 contains the report proper, Part 2 contains the Tables and the explanatory notes. It is offered as a working and evolving document and in that sense is incomplete.
3. The report of the 1999 study was sent out on 24-26 July to 35 countries, i.e.all OECD member countries and other countries that were present at the 1999 Voorburg Group in Christchurch New Zealand, with personalised<sup>1</sup> letters requesting:
  - a) a report on recent developments in collection of services producer prices (since July 1999);
  - b) that countries update the entries in tables 2 and 3 of the 1999 report concerning collection of prices classified by activity (ISIC rev 3) and prices classified by product (CPC v 1.0) respectively;
  - c) information on resulting price indices, which are published;
  - d) any documentation or recently published papers that describe countries work in this area;
  - e) a services producer prices national contact name for a proposed OECD web-page to facilitate exchange of information;
  - f) permission for OECD to publish established price series as part of their range of short-term indicator information.

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<sup>1</sup> Personalised to the extent that where information had been provided to OECD in the recent past, this was signalled and not requested again.

4. Responses were requested by 25 August. This was perhaps optimistic given that this was peak holiday season in most countries and many potential respondents would not be in the office.
5. At the time of writing, responses to the 1999 inquiry have been received from 19 countries namely: Australia, Canada, China, France, Germany, Greece, Hong Kong (China), Ireland, Japan, Korea, Malaysia, Netherlands, New Zealand, Spain, Sweden, Switzerland, Turkey, United Kingdom and United States. Late information from Poland to the 1999 inquiry had also been received during the year. Five respondents - China, Hong Kong (China), Greece, Malaysia and Spain - feature for the first time in this OECD inquiry report, thus bringing the coverage of OECD knowledge of activity in this area to 29<sup>2</sup> countries.
6. The cumulative responses to this and the previous inquiries are summarised in tables 1,2 and 3.
7. Table 1 “State of Inquiry - Services Producer Prices” provides a simple summary of cumulative national responses to the OECD inquiry.
8. Table 2 “Summary of Responses to Inquiry on Prices by ISIC Activity” provides summary information by ISIC rev 3 (3 or 4 digit) activity, on which countries collect data, what type of prices are collected, the frequency of collection, the type of service priced, and the start date.
9. Table 3 “Summary of Responses to Inquiry on Prices by CPC Product” sets out, for those countries that have been able to provide it, information on price collection by 3 or 4 digit ISIC activity and product. Products are classified by CPC version 1.0 as far as possible, but some products have not been definitively classified.
10. Other appendix tables provide a list of notes to table 2 and 3, country codes and a list of nominated national contacts.
11. To provide some historical background, the 1997 questionnaire asked countries to indicate for ISIC Rev.3 service groups or classes, the type of price collected (i.e. whether list, transaction, mark-up price, other), the frequency of pricing, the number of price quotations per period, the type of service priced (simple service, composite service, service bundle, other), the start date of data collection.
12. The 1998 questionnaire introduced the correspondence between those ISIC groups or classes for which prices of services to enterprises are collected (listed in the response to the 1997 questionnaire) and the CPC<sup>3</sup> version 1.0, at the five or occasionally four digit level. Respondents were requested to indicate for which CPC classes price data are collected, or to describe which service products are observed where they do not fit CPC classes.
13. In response to the request of the 1999 Voorburg Group for the OECD to enhance the information exchange role, this year’s letter also asks for a services PPI contact name for the OECD web-site, where the report will be posted.

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<sup>2</sup> Hong Kong is a special administrative region of China.

<sup>3</sup> The correspondence between ISIC and CPC and fuller descriptions of CPC products is given in the *Central Product Classification (Services Part; Sections 5-9) Version 1.0, at the UN Classifications web pages at <http://esa.un.org/unsd/cr/registry/regcst.asp?Cl=3&Lg=1>.*

14. In recognition of the variation of approach between countries mentioned in paragraph one above, the subject of this year's inquiry is described as services producer prices, which is slightly broader than that of earlier years, namely prices of services provided to enterprises. This change also accords with the stated aim of the Voorburg Group to contribute services material to a new PPI manual.

## **RESULTS**

### *Description of summary Tables*

15. Table 1 sets out which countries have responded to the OECD inquiry and attempts to categorise their activity in the domain of collection of prices of services provided to enterprises. It indicates which collect price data on these services, which use CPI as a proxy for such prices, which have indicated future plans for data collection, and those countries that have provided CPC product details relating to prices collected.

#### *A. Prices of services to enterprises by service activity*

16. Table 2, is an updated version of the table in the report, that was first presented to the Voorburg Group in 1998.
- Columns 1 and 2 list, ISIC rev 3 codes and descriptions of activity groups (three digit level) or classes (four digit level).
  - Column 3 provides the codes of countries which report collecting prices of services to enterprises for that activity.
  - Column 4 gives details of the *type of price collected*. Three types of prices are identified, list prices, transaction prices, mark-up prices and a residual category "other" is provided for those prices which do not correspond to any of the three differentiated types:
    - A *list price* is a price or tariff published by the service provider which can be collected by simply reading the list; list prices are gross of any discounts which some customers may be able to negotiate.
    - A *transaction price* is the price actually charged by the producer after deduction of any discounts.
    - A *mark-up price* is calculated by the statistical office by adding a mark-up, reported by the service provider, to the estimated cost of hours of work. This type of price is used for services consisting mainly of labour inputs.
    - some countries have also identified the type "*model price*", where a well specified hypothetical job is priced.
  - Column 5, *frequency of pricing*, indicates whether prices are collected monthly (M), quarterly (Q) or annually (A);

- Column 6 shows the *number of quotations* per period.
- In column 7, *type of service priced*, three types of services are identified, a simple service, a composite service, a service bundle; a residual category “other” is provided for those services which do not correspond to any of the three differentiated types.
  - A *simple service* is a standard service often measured in physical quantity units such as ton-miles, number of hours.
  - A *composite service* is a service composed of a number of simple services which are necessarily produced together due to existing regulations, security measures or production processes. The customer is not free to choose to purchase only some of the components of a composite service. Either all are purchased together or none are purchased at all.
  - A *service bundle* is composed of a set of services negotiated between the service provider and the customer. The bundle of services provided may differ according to the customer.
- In column 8, *start date*, the actual or planned date for data collection of prices is indicated.
- *Explanatory notes* at the end of the table give additional information on coverage, type of price collected and type of service priced.

#### B. *Services producer prices by service product*

17. Table 3 indicates the CPC classes, or other service products which do not match the CPC, for which prices are collected. CPC classes are listed so as to show the correspondence with the ISIC groups given in Table 2.
18. To understand the links between Tables 2 and 3, it should be noted that only those ISIC groups or classes for which price collection by product has been identified, by at least one country, appear in table 3.
19. Table 3 is laid out as follows:
  - Columns 1, 2 and 3 are identical to columns 1, 2 and 3 of Table 2. ISIC Rev.3 codes and headings are given in columns 1 and 2. Codes of countries which collect data on these service activities are given in column 3.
  - Columns 4 and 5 list the codes and headings of the CPC version 1.0 corresponding to the ISIC headings given in columns 1 and 2.
  - Column 6 indicates the acronyms of countries which are able to identify service products for which prices are collected, in terms of the CPC.
  - Column 7 indicates service products for which prices are collected but do not fit the descriptions of CPC classes. The description of services listed in this column repeat the wording used in the responses from countries.

- Explanatory notes at the end of table 3 provide additional information on coverage and type of price.

### *Comments on results*

#### *A. Prices of services to enterprises by service activity*

20. Out of the 29 countries which have responded to OECD since 1997, eighteen respondents report that they collect prices of services to enterprises (Australia, Canada, Czech Republic, France, Germany, Hong Kong (China), Japan, Korea, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Spain, Sweden, United Kingdom, United States), eleven reported that they do not as yet collect prices of services to enterprises (Belgium, China, Denmark, Hungary, Iceland, Ireland, Italy, Malaysia, Switzerland, Turkey). As for Finland, which has supplied information on services prices in the past it is not clear whether it currently collects services producer prices or proxies them all with other price indicators. It is also not always clear, where countries collect producer prices (i.e. prices of producers) of services that might be supplied to consumers or enterprises, whether or not they make a differentiation between the two in the prices collected.
21. Over a third of the countries which report collecting services producer prices, collect prices for the following activities (in ISIC order):
  - Hotels, camping sites and other provision of short-stay accommodation (ISIC 551)- 8 countries
  - Transport via railways (ISIC 601) - 9 countries
  - Freight transport by road (ISIC 6023) - 10 countries
  - Sea and coastal transport (ISIC 611) - 10 countries
  - Scheduled air transport (ISIC 621) - 10 countries
  - National post activities (ISIC 6411) - 8 countries
  - Telecommunications (ISIC 642) - 14 countries
  - Real estate activities with own or leased property (ISIC 701) - 9 countries
  - Real estate activities on a fee or contract basis (ISIC 702) - 9 countries
  - Renting of land transport equipment (ISIC 7111) - 9 countries
  - Renting of construction and civil engineering machinery and equipment (ISIC 7122) - 7 countries
  - Software consultancy and supply (ISIC 722) - 9 countries
  - Accounting, book-keeping and auditing activities; tax consultancy (ISIC 7412) - 9 countries
  - Architectural and engineering activities and related technical consultancy (ISIC 7421) - 10 countries
  - Advertising (ISIC 743) - 7 countries
  - Investigation and security activities (ISIC 7492) - 7 countries
  - Building cleaning activities (ISIC 7493) - 8 countries.

22. The frequency of pricing for the activities listed above is either monthly, quarterly and in a few cases annual. The type of price collected is a transaction price or, slightly less frequently, a list price; mark-up prices and other prices are relatively seldom. The type of service most frequently priced is a simple service. Composite services and, to a lesser degree, service bundles are also priced, sometimes in conjunction with a simple service. The number of price quotations varies widely between countries within each ISIC group and from one ISIC group to another. Most countries started collecting data on prices of services to enterprises during the 1990s. Some countries (Finland, Japan, Mexico, New Zealand) have some data which go back to the 1970s or 1980s.
23. These results could serve as a starting point to define standard practices for data collection on prices of services to enterprises. It would appear that there is a preference for simple services, transaction prices and monthly data.

#### New Surveys

24. Activity in the collection of services producer prices continues to expand, over and above the fact that more countries are reporting past activity. 24 new surveys have been reported as launched since mid 1999 or are to be launched in 2000 by eight countries. They are on:

- Hotels (ISIC 551) - CAN
- Restaurants (ISIC 552) - CAN
- Transport by rail (ISIC 601) - UK
- Transport via pipelines (ISIC 603) - AUS
- Scheduled air transport (ISIC 621) - SWE
- Activities auxiliary to financial intermediation (ISIC 671) - USA
- Real estate activities (ISIC 70) - POL
- Renting of land transport equipment (ISIC 7111) - SWE, FRA
- Renting of construction/civil engineering machinery and equipment (ISIC 7122) - SWE, FRA
- Renting of office machinery and equipment - (ISIC 7123) - SWE, FRA
- Renting of other machinery n.e.c. (ISIC 7129) - FRA
- Maintenance and repair of office machinery (ISIC 725) - AUS
- Research and development (ISIC 73) - AUS
- Legal Activities (ISIC 7411) - AUS
- Accounting (ISIC 7412) - CAN
- Market research and public opinion polling (ISIC 7413) - FRA
- Business and management consultancy activities (ISIC 7414) - FRA
- Architectural and engineering activities (ISIC 7421) - AUS, NOR
- Advertising (ISIC 743) - AUS
- Packaging (ISIC 7495) - AUS.

In addition two long standing price collection systems have been fundamentally revised and rebased since mid 1999 that is Germany's sea freight price indices and the Bank of Japan's Corporate Services Price Index



25. 27 more surveys are being planned in the next few years by Australia, Canada, France, Netherlands, Sweden, Switzerland, United Kingdom and United States. Telecommunications was nominated as a development area by five countries. The others are:

- Freight transport via railways (ISIC 601) - CHE
- Freight transport by road (ISIC 6023) - CHE
- Cargo handling (ISIC 6301) - GBR
- Storage and warehousing (ISIC 6302) - GBR
- Telecommunications (ISIC 642) - CAN, AUS, CHE, NLD, FRA
- Insurance (ISIC 66) - GBR
- Renting of agricultural machinery (ISIC 7121) - USA
- Renting of office machinery (ISIC 7123) - USA
- Renting of other machinery n.e.c. (ISIC 7129) - USA
- Computer services (ISIC 72) -NLD
- Software consultancy and supply (ISIC 722) - FRA
- Data processing (ISIC 723) - USA
- Legal activities (ISIC 7411) - GBR, SWE
- Accounting (ISIC 7412) - SWE, NLD
- Business and management consultancy activities (ISIC 7414) - FRA
- Architectural and engineering activities (ISIC 7421) - SWE
- Advertising (ISIC 743) - GBR, FRA
- Labour recruitment and provision of personnel (ISIC 7491) - AUS, FRA
- Other business activities - (ISIC 7499) - AUS

Further to these plans Korea plans to review and rebase its services PPIs in 2003, while the UK is planning to commence release of an experimental Corporate Services Price Index supported by a gradually expanding coverage of price surveys. Hong Kong, China also indicated that they are considering an expansion of services PPI collection, but plans are not yet firm.

#### *B.Prices of services to enterprises by service product*

26. Countries were asked to update table 3, which seeks to identify the product being priced, using either the CPC or a description where the CPC classification is inadequate. Most countries do not actively use the CPC, and this unfamiliarity consequently makes some reluctant to complete the product section. To date only eleven countries have provided details of products being priced (Australia, Canada, France, Germany, Japan, New Zealand, Portugal, Poland, Sweden, United Kingdom, United States).

27. The responses are summarised in Table 3. In column 6, *CPC*, the codes of countries are indicated on the line of the CPC class for which prices of services to enterprises are collected. The notes following the table provide additional information on country practices included in the questionnaire responses. In column 7, *Other*, services which do not match the CPC are described in the terms used by respondents. The description of the service is aligned either with the CPC class to which it comes closest or on a separate line when a correspondence with CPC is not possible.

28. A crude count of CPC products and “other service products” priced shows that there are 176 CPC service classes corresponding to the 53 ISIC groups for which product prices are collected and identified. This is 28 more CPC classes than last year. Prices for over 110 “Other service products” are also collected. If these are added to the CPC classes, under the assumption that all “other services” correspond to different products, a total of over 280 service products are priced by the eleven respondent countries altogether. In fact these “other products” are in most cases either combinations of CPCs or part of one or several CPCs. This does not mean, of course, that each of the eleven countries collect data for 280 service products. For countries individually, the number of products priced varies between seven (Poland and Sweden) and over 100 for Japan and New Zealand .
29. The figures above give a rough indication of the extent to which services to enterprises are priced. The following table A gives a better idea of the distribution and extent of price collection by identified product for the ten countries responding on table 3. For fuller details refer to table 3 and the accompanying notes. The actual number of products priced when indicated by CPC is not a precise or strictly comparable indicator of price collection activity and numbers should be treated with appropriate caution. We can see that seven countries are collecting prices by identified product for a broad range of business services (at least four of the ISIC groupings) These are AUS, CAN, JPN, NZL, SWE, GBR and USA. Of the others France has been undertaking notable development work in equipmental rental (ISIC 71) and other business services (ISIC 74). Germany has focused on transport and communications. Portugal and Poland have the most limited range of price collections by product of the ten. It should also be noted that Japan, US and New Zealand have relatively well established and extensive price collection systems, while France, Australia, the UK and to a slightly lesser extent Canada and now Sweden have been actively developing systems in recent years.
30. Table 3 provides price data collection by service product and by country for each ISIC service activity group. In some cases, prices are collected but not released for lack of reliability; in other cases prices of services to enterprises are complemented by prices of services to consumers in order to obtain a sufficiently large number of price observations for the price index to be significant; sometimes, only components of the consumer price index are used as a proxy. These practices are indicated in the notes to table 3.

**Table A Number of reported CPC and distinct “other products” prices collected by country and ISIC activity**

ISIC Activity Group	AUS	CAN	FRA	DEU	JPN	NZL	PRT	POL	SWE	GBR	USA
45					2						
50					1	1				1	1
55		1				2	7		1	1	1
60-63	20			3	27	28		6	1	6	17
64	1	1		5	8	4		2	1	5	6
65-67					11	3					11
70	3				21	4			1	3	3
71	6		4		10	6			3	4	6
72	5	5			4	5				3	2
73	1					1					
74	40	6	15		30	46				6	15
80						1				1	
90-93					7	1					

### *C. Other information*

31. **Quality adjustments:** Australia, Germany, **Japan**, Mexico, New Zealand, United Kingdom and United States, have provided explanations on how quality adjustments are dealt with when pricing services to enterprises. These are copied in the Annex to part 1 of this report.
32. **Price indices:** Information provided in past year indicated that price indices used are generally Laspeyres type indices, but that has not been tested this year..
33. **Data Publication:** The amount of published services PPI data has grown significantly since last year as more price series mature and get established.
  - The Bank of Japan publishes a monthly Corporate Service Price Index (CSPI) with 8 major component and 39 sub-group component series, available on the BOJ website.
  - The US publishes established monthly services price indices as part of its PPI publication. Data are available from the Bureau of Labor Statistics website. They include price indexes for railroad transportation, motor freight transportation and warehousing, United States postal service, water transport, air transport, pipelines, health services and legal services.
  - The UK price series when established are published alongside other goods product PPIs and an experimental top level CSPI is published quarterly in “Economic Trends”.
  - Australian prices data were published in an article in March 1999 as ten experimental series, and ABS now publishes established series in a quarterly press release 6423.0, “Producer Price Indexes for Selected Service Industries”, including two high level indexes for transport services, and property and business services. Summary information is available from the ABS website - see <http://www.abs.gov.au>.
  - New Zealand publish an extensive range of services producer prices on the SNZ website alongside other PPIs and are planning to publish trade in services price indices for 4 broad sectors.
  - The Bank of Korea publishes about 20 services PPI components monthly alongside goods PPIs on its website.
  - France for the moment publishes only two PPIs i.e. building cleaning activities ISIC 7493 and security activities ISIC 7492. Additional series are expected to be published soon for accounting ISIC 7412 and renting ISIC 7111, 7122, 7123, 7129.
  - Germany publishes price indices of sea freight rates, postal services and telecommunications. The index of sea freight rates in liner trades is now published broken down by major shipping region.
  - Hong Kong, China publishes services PPIs for hotels and boarding houses, telecommunications, miscellaneous communication services, air transport, land transport and maritime transport.
  - Poland publishes about 20 transport and communications PPIs monthly in “Prices in the National Economy”.
34. **Documentation:** Some significant documentation, mainly in English, on services prices work was kindly provided by a number of countries. Voorburg Group Members and others may wish to be aware of the following:
  - New Zealand’s “Producers Price Index - Concepts, Sources and Methods and Index Detail”.
  - The Bank of Japan has published a methodological paper “Revision of the Corporate Service Price Index (CSPI) to 1995 base” on the Bank of Japan website 7 December 1999. <http://www.boj.or.jp/en/siryosiryof.htm>

- From Germany two papers on “Recalculating the Price Indices of Postal, Postal Banking and Telecommunications” I. Beuerlein 1995; and "Revision and rebasing of seafreight indices on base 1995" SB (in German only) published 1999.
- Australia’s ABS has published “Producer Price Index Developments” an information paper 6422.0 on 25 March 1999 available from the ABS website <http://www.abs.gov.au/>
- The US Bureau of Labor Statistics has published “Producer price indexes for Engineering Services” Roslyn B. Swick and “Producer price indexes for accounting services, legal services and advertising agency services” Irwin B. Gerduk. Research papers on dataprocessing services and TV broadcasting stations may be available on request to the BLS.
- The UK Office for National Statistics has provided “Corporate Services Prices: Publication of a Prototype Index” Nick Palmer BP&S Division July 2000
- The Bank of Korea has provided a methodological paper describing the services part of the Korean PPI as at Q2 2000
- INSEE, France has published "The French producer price indices and business service price indices" in the collection INSEE METHODES no. 89 October 1999
- A number of Voorburg Group service producer prices case studies and background papers are available at the Statistics New Zealand and Spain’s INE website.

### Some Concluding remarks

35. The review of responses to the OECD shows that the coverage of the service sector varies considerably between countries. Some have achieved a fairly wide coverage, whereas others provide a limited coverage or no coverage at all but with plans for further development. The collection of prices in this area is expanding. 24 new surveys are reported since last July and a larger number were identified as planned. However in a significant number of countries prices of services provided to enterprises are not collected and there are no plans for price data collection in the short or medium term.
36. Practices of those countries which do collect price data raise a series of questions as to the lessons which can be usefully drawn from national experiences concerning the:
  - **Setting of priorities for price data collection.** Prices for the services listed in paragraph 12 are collected by more than one third of respondents. Are they the easiest service categories for which prices can be collected and should they therefore be considered as priority for those countries which do not collect prices? On the other hand, what priority should be given to price data collection for products not yet surveyed?
  - **Coordination with other producer prices work.** Services prices are often collected by PPI divisions in National Statistical Offices. There seems to be increasing coordination of work with PPI collections for goods, while recognising that the services work presents special problems and will continue to need special attention. It therefore would seem important for the Voorburg Group services PPI experts and goods PPI experts to continue to work closely together on the development of new international guidelines for PPIs.
  - **Choice of the type of price.** Transaction prices reflect the price received and charged in service transactions. Should they, on this stand, be preferred to other types of prices? To what extent are other types of prices good proxies? The United Kingdom refers to list prices when discounts are not granted or are rare. CPI components are used as a proxy by New Zealand. It is argued that components of the

consumer price index can be used for cost effective reasons when price changes faced by businesses are expected to be similar to price changes faced by households. Under this assumption, when the number of items covered by surveys of prices of services to enterprises is too small to be statistically significant, a mix of prices to enterprises and to households are used. Indirect taxes charged to consumers, included in the CPI, can easily be removed and there are usually no transport costs linked to the supply of services.

- **Choice of the type of service.** Simple services present the advantage of a clear definition which facilitates data collection and serves international comparability. They cannot always be easily identified by producers. When this is the case composite services or service bundles are priced. It may be useful to gain further insight into their content for the assessment of comparability.
  - **Need for additional information.** The information received from OECD Member countries already provides an instructive description of national practices in the field of data collection of prices of services to enterprises. Should additional information be collected in order to strengthen experience sharing between countries? If so, what information is missing?
35. We should continue to advance the use of the CPC as a product framework in services output and prices work, while identifying and learning about its deficiencies.
  36. CPI components are often used as proxies for deflators of services output. It might be helpful to know what studies have been done to measure the adequacy or inadequacy of this practice.

## **ANNEX**

### **Quality adjustments - Comments by:**

#### **Australia**

In compiling the price indexes we attempt to identify and adjust for changes in the quality of the services priced. This involves regular contact with respondents.

Where changes in services are detected we seek both qualitative and quantitative data e.g. cost data. In general, the quality adjustment reflects the change in the costs of providing the service.

#### **Germany**

Quality adjustments in producer price statistics for services are restricted to cases where a substitution is necessitated because a priced item is no longer offered on the market.

When a replacement of a priced item is necessary, a stipulated procedure for quality adjustment is applied:

1. First there is a search for a new variety, which is of the same quality as the one to be replaced or which has only minimal differences in the relevant quality characteristics. The prices of the old and the new variety are then directly compared, that is, the price change is equal to the difference of the observed prices.
2. If a new variety with relevant quality differences has to be selected, there are two possibilities. Either an expert makes an explicit estimation of the money value of the quality difference and this money value is subtracted (quality improvement) respectively added (quality deterioration) to the observed price of the new variety. Or, if an expert judgement is not available, the new variety is brought into the index showing no price change from the previous month. The implication of the link method is that all of the difference in the price between the two varieties is due to quality difference.

#### **Japan**

The sample prices are replaced when they cease to be representative of the selected service, the contract terms are changed, or the surveyed companies are required to change. In such replacements of sample prices, any price difference between the new and old services will be adjusted as below so that only the fundamental price change, which excludes the price change attributed to quality change, will be reflected in the indexes. (a) The new sample price will be linked with the old one without adjustment (direct comparison), as long as the difference in quality between the two services is negligible. (b) The new sample price will be linked so as not to raise or lower the index (treated as no change), if the price difference between the two services is entirely attributed to quality. (c) The new sample price will be linked so as to reflect the price change unrelated to any quality change, if the price difference between the two services differs from that associated with a change in quality. However, if it is difficult to compare the difference in quality between the two services, the price is treated unchanged.

The production/supply cost method, which specifies the price difference corresponding to the quality difference, on the assumption that the cost for the quality change equals the price difference due to its quality difference, is mainly used to specify the part of the price difference corresponding to the quality change out of the total price difference between the two services.

## **Mexico**

The quality adjustments made reflect the change in the cost of the service provided.

Prices are adjusted for quality changes in the following: 551 Hotels; 552 Restaurants, bars and canteens; 642 Telecommunications; 660 Insurance and pension funding; 7111 Renting of land transport equipment; 809 Adult and other education.

## **New Zealand**

Several strategies are used to minimise the effects of changing quality on price movements:

1. The items to price are generally for simple services and are clearly defined so that changes in quality can be more easily identified and quantified.
2. Respondents are contacted to ensure that questionnaires specify commodities that they are able to price.
3. When quality changes are noted by the respondent, or a change in price occurs, the respondents are contacted. In most cases the respondents are happy to provide further information that is useful in deciding how to deal with the quality change.

Process when a quality change occurs, then :

1. Obtain overlapping prices, which allows a price change for the relevant periods to be calculated.  
Where overlapping prices are not available then a price change is decided based on available information.
2. Either :
  - 2a. In most cases no change in price is recorded and the commodities are treated as being different and the 'new' commodity is spliced in to replace the old one.
  - 2b. If the respondent notes that the change in quality and a change in price has occurred then either a butt or a "splutt" (partial splice/butt) is performed. The price change is estimated.

## **United Kingdom**

Our approach is to seek a detailed specification for each service priced. Contributors are then asked to notify us if any aspect of the specification changes. ( An example would be more intensive cleaning services under an office cleaning contract). In addition, when we identify a price change, we check with contributors that there has been no change in specification. Where a change in specification has occurred, we ask contributors to estimate the full costs (including profit) incurred, or saved, by the change. Price relatives are adjusted so that they do not reflect changes in charges that are due to specification changes.

## **United States**

In general, the Producer Price Index is not quality adjusted for changes in technology. The PPI's detailed specification pricing enables quality adjustment for changes in the service provided. When price determining features of the detailed service specification change, a value of the change is ascertained and a calculation is performed to account for this value in relation to the prices or price change reported. If that value of quality adjustment cannot be obtained or is not appropriate, then overlap prices are requested. The overlap prices are from the same time period for the same service but before and after the service change. The PPI uses net transaction prices, which generally allow the quantity to be held constant. For changes to the input mix of the services priced, the prices are linked showing no price change or linked showing only the amount of price change that is not related to the input mix change, if that can be determined.



**Table 1**

**State of Inquiry - Services Producer Prices**

COUNTRY	Responses on services producer prices by activity of provider						Responses on prices of services by
	Collects data	Does not collect data	CPI used as proxy		Plans for future collection	No answer	CPC product
			for some items	for all items			
AUS	X				X		X
CAN	X				X		X
CZE	X						
DEU	X						X
FRA	X				X		X
GBR	X				X		X
HKG	X				X		
JPN	X						X
KOR	X				X		
MEX	X						
NLD	X						
NOR	X				X		X
NZL	X		X				X
POL	X		X				X
PRT	X						X
SWE	X				X		X
USA	X				X		X
ESP	X						
BEL		X					
CHE		X			X		
CHN		X					
DNK		X					
FIN		?	X				
GRC		X					
HUN		X					
IRL		X			X		
ISL		X	X				
ITA		X			X		
MYS		X			X?		
TUR		X		X	X?		
AUT						X	
LUX						X	
SGP						X	
THA						X	
FJI						X	

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
4510	Site preparation	JPN (6)	Transaction (6')	M		Simple service	Jan./1985
4520	Building of complete constructions or parts thereof; civil engineering	JPN (6)	Transaction (6')	M		Simple service	Jan./1990
502	Maintenance and repair of motor vehicles	GBR	List (1) or transaction	Q	n/a	Simple service or service bundle (2)	Q3 /1997
		NZL	Transaction	Q	124	Simple service, composite service (3) or service bundle (4)	1977
		MEX	Transaction	M	162	Service bundle	Jan./1969
		FIN	Transaction (5)	Q	several	Simple service	1990
		JPN (6)	Transaction (6')	M		Simple service	Jan./1990
		USA		M	92	Simple service	Jul/2000
51	Wholesale						
52	Retail	USA	Margin	M			1999/2000
551	Hotels; camping sites and other provision of short-stay accommodation	KOR		M			1995
		GBR	Transaction and list (7)	Q	97	Simple service or service bundle (8)	Q4/1996
		SWE	Transaction	Q	160	Simple service	1995
		USA	Transaction	M	863	Simple service	Jun./1993
		NZL (9)		Q		Simple service	unsure
		MEX	List	M	724	Simple service	Jan./1969
		FIN	Transaction (10)	Q	56	Simple service	1967
		HKG	Transaction	Q	632	Simple service	(does not distinguish type of customer) Q3 1998
		CAN	Transaction (week-day and weekend rates)			business and consumer rates 2000 planned	
		PRT	List	Q	21	Simple service	1995
552	Restaurants, bars and canteens	GBR	Contracts and model fees	Q	41	Simple service or service bundle (12)	Q3/1997
		NZL (9)		Q		Simple service	unsure
		MEX	List	M	459	Simple service	Jan./1969
		FIN	Transaction (10)	M	56	Simple service	1967
		PRT	List	Q	28	Simple service	1995
				CAN			
60	Land transport	HKG	Transaction	Q	212	Simple service	Q4 1998
601	Transport via railways	GBR	List (13) or transaction (14)	Q		Simple service or business rail fares	planned 2000
				Q		composite service (15) rail freight	planned 2000
		USA	Transaction	M	361	Simple service	Dec./1984
		AUS	Transaction	Q	45	Simple service	Jun./1989
		NZL	List or other (16)	Q	74	Simple service	1977
		KOR	Transaction	M			1995
		MEX	List	M	178	Simple service	Jan./1980

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
		CZE	Transaction	M	20	Simple service	1/1/1994
		FIN	Transaction (10)	M		Simple service	1967
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		CHE				Service bundle rail freight	planned 2001
		<b>POL</b>	<b>List</b>	<b>M</b>	<b>104</b>	<b>Simple service or service bundle (68)</b>	<b>Jan/1990</b>
6021	Other scheduled passenger land transport	JPN (6)	Transaction (6')	M		Simple service	Jan./1985
		JPN (6)	Transaction (6')	M		Simple service	Jan./1985
6022	Other non-scheduled passenger land transport	<b>GBR</b>	Transactions, contract prices and model prices	Q	244	Service bundle (17) Bus and coach hire	Q1/1992
		<b>GBR</b>	External supplier	Q	n/a	n/a taxi operations	n/a
6023	Freight transport by road	GBR	List (1) or transaction	Q	233	Service bundle (17) Freight transport by road	Q1/1992
		USA	Transaction	M	290	Service bundle (18)	Jun./1993
		NLD	Transaction	Q/A	variable	Simple service	
		AUS	Transaction	Q	600	Simple service (20) or service bundle (21)	Sept./1996
		NZL	List or transaction	Q	173	Simple service or composite service (22) or service bundle	1977
		MEX	List	M	114	Simple service	Jan./1980
		CZE	Transaction	M	600	Simple service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		CHE				Service bundle	2001 planned
		KOR	Transaction	M			1995
		<b>POL (93)</b>	<b>Transaction</b>	<b>M</b>	<b>350</b>	<b>Simple service</b>	<b>Jan. 1990</b>
603	Transport via pipelines	AUS	Transaction	A	30	Simple service or service bundle	1999/2000
		USA	Transaction	M	141	Simple service	Jun./1986
		NZL	Transaction	Q	not priced directly	Service bundle (23)	1977
		CZE	Transaction	M	5	Composite service	1/1/1994
		<b>POL</b>	<b>Transaction (94)</b>	<b>M</b>	<b>10</b>	<b>Simple service</b>	<b>Jan. 1990</b>
611	Sea and coastal transport	GBR	Transaction or other (24)	Q	60	Simple service or Composite service (15). Sea and coastal water transport.	Q1/1996
				Q	30	Simple service or Composite service (15). Commercial vehicle ferries.	Q3/1996
		DEU	Transaction	M	640	Simple service - sea freight	1978 (Revised 1999)
		USA	Transaction	M	104	Simple service	Jun./1986
		AUS	Transaction	Q	198 (25)	Simple service or Composite service	Dec./1997
			Transaction	Q	77 (26)	Simple service	June Q 1998
		NZL	List or transaction	Q	76	Simple service	1977
		MEX	List	M	18	Simple service	Jan./1980

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
		HKG	Transaction	Q	290	Simple service	Q4 1998
		FIN	Transaction (10)	M		Simple service	1967
		KOR	Transaction	M			1995
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		<b>POL</b>	<b>List - for passengers; Transaction - for freights (95)</b>	<b>M</b>	<b>21</b>	<b>Simple service</b>	<b>Jan. 1990</b>
612	Inland water transport	USA	Transaction	M	178	Simple service	Dec./1990
		NZL	List or transaction	Q	10	Simple service	
		CZE	Transaction	M	20	Composite service	1/1/1990
		<b>POL</b>	<b>Transaction (96)</b>	<b>M</b>	<b>17</b>	<b>Simple service</b>	<b>Jan. 1990</b>
62	Air transport	HKG	Transaction	Q	261	Simple service	Q4 1998
621	Scheduled air transport	GBR	List (13)	Q	25	Service bundle (27)	Q2/1996
		USA	Transaction	M	280	Simple service	Dec./1987
		SWE	Transaction domestic flights	M	238	Simple service	1996
			Transaction international flights	M	124	Simple service	2000
		AUS	Transaction	Q	170 (29)	Simple service	Dec./1996
			Transaction	Q	140 (30)	Simple service or composite service	Dec./1997
		NZL	List or transaction	Q	138	Simple service or service bundle (31)	1977
		MEX	List	M	113	Composite service	Jan./1969
		CZE	Transaction	M	5	Simple service	1/1/1990
		KOR	Transaction	M			1995
		FIN	Transaction (10)	M		Simple service	1972
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		<b>POL</b>	<b>List (97)</b>	<b>M</b>	<b>13</b>	<b>Simple service</b>	<b>Jan. 1990</b>
622	Non-scheduled air transport	USA	Transaction	M	82	Simple service	Jun./1992
		NZL	Transaction	Q/A	23	Simple service	1977
		MEX	List	M	23	Composite service including handling	Jan./1980
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
6301	Cargo handling	GBR	Transaction			Simple service or composite service (not yet defined)	no start date yet

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
		USA	Transaction	M	116	Simple service	Dec./1991
		NZL	Transaction	Q	28	Simple service or composite service (32)	
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		AUS	List	Q		Simple service or composite service	Sep./1993
		POL	Transaction (92)	M	24	Simple service or service bundle	Jan. 1990
6302	Storage and warehousing	GBR	List (1) or transaction	Q		Simple service or composite service (not yet defined)	no start date yet
		USA	Transaction	M	201	Service bundle (33)	Dec./1991
		AUS	Transaction	Q	100	Simple service or composite service (34)	Jun./1996
			Transaction	A	25	Simple service	Sep./1989
		NZL	Transaction	Q	18	Simple service	1977
		MEX	Transaction	M	37	Simple service	Jan./1990
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		<b>POL</b>	<b>Transaction</b>	<b>M</b>	<b>50</b>	<b>Simple service</b>	<b>Jan. 1990</b>
6303	Other supporting transport activities	JPN (6)	Transaction (6')	M		Simple service	Jan./1985
6304	Travel agencies and tour operators; tourist assistance activities n.e.c.	USA	Transaction	M	192	Simple service	Dec./1989
		NZL	Transaction (35)	Q	11	Composite service	
		MEX	List	M	22	Simple service	Jan./1969
		FIN	Transaction (10)	M	20-30	Simple service	1972
6309	Activities of other transport agencies	GBR	Transaction (36)	Q	124	Service bundle (37)	Q1/1997
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		<b>POL</b>	<b>Transaction</b>	<b>M</b>	<b>50</b>	<b>Service bundle</b>	<b>Jan. 1990</b>
6411	National post activities	GBR	List (38)	Q	n/a	Simple service	Q2/1996
		USA	Transaction	M	24	Simple service	Jun./1988
		DEU	List	M	81	Simple service	1950
		NZL	List or transaction	Q	17	Simple service	1977
		MEX	List	M	40	Simple service	Jan./1980
		CZE	List	M	20	Simple service	1/1/1990
		FIN	Transaction (10)	M		Simple service	1951
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		<b>POL</b>	<b>List</b>	<b>M</b>	<b>117</b>	<b>Simple service</b>	<b>Jan. 1990</b>
6412	Courier activities other than national post	GBR	List (1) or transaction	Q	163	Simple service	Q3/1995
		USA	Transaction	M	198	Simple service	Dec./1987
		NZL	Transaction	Q	4	Simple service	1977

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
642	Telecommunications	GBR	List (1) or transaction	Q	n/a	Composite service (39)	Q1/1997
		USA	Transaction	M	1265	Service bundle (40)	Jun./1995
		KOR	Transaction	M			1995
		DEU	List	M	156	Simple service	1950
		SWE	Other (41)			Simple service	1998 to be tested
		NZL	List or transaction	Q	42	Simple service	1977
		CAN	Transaction	M		Service bundle (42)	1996
			Transaction	A		Service bundle (43)	Under Development
		MEX	List or transaction	M	707	Simple service	Jan./1980
		CZE	List	M	40	Simple service	1/1/1990
		FIN	Transaction (10)	M		Simple service	1951
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		AUS	Transaction	Q		Simple Service	Under Development
		HKG	Transaction	Q	62	Simple service	Q3 1998
		CHE					planned 2002-2005
NLD					planned 2001		
FRA					planned 2002		
POL	List	M	54	Simple service	Jan. 1990		
6519	Other monetary intermediation	KOR		M			1995
		NZL	Transaction (44)	Q	88	Simple service	1977
		MEX	List	M	88	Simple service	Jan./1969
		CZE	Transaction	M	60	Simple service	1/1/1990
		FIN	Transaction (10)	M		Simple service	1981
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		USA					Jan/2003 planned
GBR					planned 2002		
6591	Financial leasing	CZE	Transaction	M	20	Simple service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
6592	Other credit granting	MEX	Transaction	M			Apr./1995
66	Insurance and pension funding, except compulsory social security	MEX	List or transaction	M	25	Service bundle	Jan./1969
		CZE	Model cases	M	40	Composite service	1/1/1994
		FIN	List (10)	M		Simple service	1981
		KOR	Transaction	M			1995
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		GBR					planned 2002
671	Activities auxiliary to fin. intermediation, except ins. and pension funding	USA					2000 planned
		NZL	Transaction and other (45)	M,Q	3	Simple service	1977
		MEX	List	M	7		Jan./1969
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		KOR	Transaction	M			1995
70	Real estate activities	ESP					
701	Real estate activities with own or leased properties	GBR	Transaction	Q	253	Composite service	Q4/1996
		USA	Transaction	M	612	Service bundle (46)	Dec./1995
		AUS (47)	Transaction	Q	300	Simple service	Jun./1995
		NZL	Transaction	Q/A	530	Simple service	1977
		MEX	Transaction	M	1500	Simple service	Jan./1990
		CZE	Transaction	M	80	Simple service	1/1/1994
		FIN	Transaction (48)	Q	5000	Simple service	1970
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		KOR	Transaction	M			1995
		<b>POL</b>					<b>planned 2000</b>
702	Real estate activities on a fee or contract basis	KOR	Transaction	M			1995
		USA	Transaction	M	1115	Simple service	Dec./1995
		SWE	Transaction	A	116000	Simple service (including other quotations)	1997
		GBR	Contract and list	Q	154		
		AUS	Transaction	Q	1500 +	Simple service	Sept./1989
		NZL	Transaction (50)	Q	26	Simple service	1977
		MEX	Transaction	M	10	Simple service	Jan./1990
		CZE	Transaction	M	90	Simple service	1/1/1994
		FIN	Transaction (10)	Q	3000	Simple service	1925
					15000	Simple service	1961

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
		<b>POL</b>					<b>planned 2000</b>
7111	Renting of land transport equipment	SWE	Transaction	Q		Simple service	Q4/2000
		GBR (51)	List (external supplier)	Q	n/a	Simple service	Q2/1996
		USA	Transaction	M	212	Service bundle (52)	Jun./1991
		AUS	Transaction	Q	150	Simple service (53) or service bundle (54)	Jun./1996
		FRA	Transaction	Q		Simple service	currently being developed
		NZL	Transaction	Q	31	Simple service or composite service (55)	1977
		MEX	List	M	24	Simple service	Jan./1980
		CZE	Transaction	M	200	Simple service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		NLD				(consumers and business not separated)	
7121	Renting of agricultural machinery and equipment	GBR	External supplier	Q	n/a		Q1/1998
		AUS	Transaction	Q	91	Service bundle (56)	Jun./1996
		NZL (57)	Transaction	Q	97	Simple service or composite service (58)	1977
		MEX	List	M	10	Service bundle	Jan./1980
		USA					2003 planned
7122	Renting of construction and civil engineering machinery and equipment	GBR	Transaction (59)	Q	n/a	Simple service	Q1/1996
		AUS	see 7121	Q		Service bundle (56)	Jun./1996
		FRA	Transaction	Q	400	Simple service	Q3/1999
		MEX	List	M	7	Service bundle	Jan./1980
		CZE	Transaction	M	70	Simple service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		SWE	Transaction	Q		Simple service	Q4/2000
7123	Renting of office machinery and equipment	SWE	Transaction	Q		Simple service	Q4/2000
		GBR	Transaction, contract and list	Q	20	Simple service	Q2/1998
		AUS	see 7121	Q		Service bundle (56)	Jun./1996
		MEX	Transaction	M	21	Service bundle	Jan./1980
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		FRA	Transaction	Q	150	Simple service	Q3/1999
		USA					2003 planned



**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
7129	Renting of other machinery and equipment n.e.c.	AUS	see 7121			Service bundle (56)	Jun./1996
		FRA	Transaction	Q		Simple service	currently under development
		MEX	Transaction	M	32	Service bundle	Jan./1980
		CZE	Transaction	M	40	Simple service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1990
		USA					2003 planned
7130	Renting of personal and household goods n.e.c.	JPN (6)	Transaction (6')	M		Simple service	Jan./1990
721 +	Hardware consultancy Software consultancy and supply	CAN	Mark-up	A	60 (60)	Composite service (61)	1993
722		AUS	Transaction	Q	32	Simple service or composite service	Sep./1998
		NZL	Transaction	Q	9	Simple service	1977
		NLD					planned 2002-2005
722	Software consultancy and supply	GBR	Transaction and list(62)	Q	152	Simple service or other (62)	Q4/1996
		USA	Transaction	M	274	Service bundle (63)	Jan/1998
		FRA					2001 planned
		MEX	Transaction	M	1	Service bundle	Jan./1997
		CZE	Mark-up	M	250	Simple service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
723	Data processing	KOR	Transaction	M			1995
		AUS	Transaction	Q	30	Simple service or service bundle	March/1997
		NZL	Transaction	Q	15	Simple service	1977
		CZE	Transaction	M	20	Simple service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		GBR					Q4 1996
724	Data base activities	KOR	Transaction	M			1995
		USA					2001 planned
		GBR (64)	Transaction	Q		Simple service	Q4/1996
		AUS	Transaction	Q	20	Simple service or composite service	Dec./1997
725	Maintenance and repair of office, accounting and	NZL	Transaction	Q	3	Simple service	1977
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		NZL	List or transaction	Q	8	Simple service	1977

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
	computing machinery	AUS	Transaction	Q		Simple service or composite service	Under Development
729	Other computer-related activities	GBR	Transaction	Q	6 (65), 5 (66)	Simple service or composite service	Q4/1996
		MEX	List	M	54	Simple service	Jan./1997
		NZL	Transaction	Q	13	Simple service	1977
73	Research and development	NZL	Transaction	Q	2	Simple service	1977
		AUS	Transaction	A and Bi-annual	50	Simple service or service bundle	1999/2000
7411	Legal activities	USA	Transaction	M	650	Service bundle (67)	Dec./1996
		GBR	Fee based -model prices	Q	n/a	Composite service (69)	planned 2001
		NZL	Transaction	Q	85	Simple service or composite service	1977
		MEX	List or transaction	M	12	Composite service	Jan./1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		AUS	Transaction	Q	30	Simple Service	1999/2000
		SWE					planned 2001-2002
7412	Accounting, book-keeping and auditing activities; tax consultancy	GBR	Fee based including some model prices (70)	Q	235	Composite service (69)	
		USA	Transaction	M	257	Service bundle (71)	Jun./1995
		AUS	Transaction	Q	2911	Simple service or composite service	Dec./1997
		FRA	Transaction	A	2400	Composite service (72)	1995
		NZL	Transaction	Q	52	Simple service or composite service	1977
		SWE					planned 2001-2002
		MEX	List or transaction	M	7	Composite service	Jan./1994
		CZE	Mark-up	M	150		1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		CAN	Transaction (and specification prices by type of service)				Aug 2000 pilot survey planned 2002-2005
		NLD					
7413	Market research and public opinion polling	GBR	List or transactions	Q	140	Composite service	Q1/1998
		AUS	Transaction	Q	53	Simple service or composite service	Mar./1998
		NZL	Transaction	Q	2	Simple service	1977
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
		FRA	Transaction	Q	480	Simple or composite service	Q4/1999 planned
7414	Business and management consultancy activities	NZL	Transaction	Q	26	Simple service	1977
		AUS	Transaction	Q	51	Simple service or composite service	Sep./1998
		FRA	Transaction	Q	1400	Simple or composite service	Q3/2000 planned
7421	Architectural and engineering activities and related technical consultancy	GBR (73)	Model prices	Q	103	Composite service (69) consulting engineering	Q2/1995
		USA	Transaction	M	565	Service bundle (74)	Dec./1995
		AUS	Transaction	Q	40	Simple service or service bundle (75) surveying	Jun./1997
			Transaction	Q	85	Simple service or composite service consultant engineers	Mar./1998
			Model prices	Q	40	Simple service or composite service architecture	1999/2000
		CAN	Mark-up	A	250	Composite service (61)	1989
		FRA	Transaction	Q	450	Composite service	under development
		NZL	Transaction	Q	6	Simple service	1977
		MEX	Mark-up	M	1	Composite service	Jan./1994
		CZE	Mark-up	M	85	Composite service	1/1/1994
		NOR	Transaction	Q	3		2000 planned
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
		SWE					planned 2001-2002
7422	Technical testing and analysis	NZL	Transaction	Q	15	Simple service	1977
		GBR	Transaction	Q	120		Q1/1998
743	Advertising	USA	Transaction	M	196	Service bundle (76)	Jun./1995
		AUS	Transaction	Q	40	Simple service Advertising	1999/2000
			Transaction	Q	51	Simple service or composite service Commercial Art & Design	Mar./1998
		NZL	Transaction	Q	44	Simple service or composite service	1977
		MEX	List	M	47	Simple service	Jan./1994
		CZE	Transaction	M	30	Composite service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
		GBR		Q		under development	planned 2001
		KOR		M			1995
		FRA					planned 2003
7491	Labour recruitment and provision of personnel	GBR	Mark-up or transaction (77)	Q	317	Simple service	Q1/1997
		USA	Transaction	M	67	Simple service	Jun./1994
		AUS	Transaction	Q	20	Composite services	under development
			Transaction	Q	102	Composite services	under development
		FRA	Transaction	M		Simple service	2001 planned
		NZL	Transaction	Q	11	Simple service	1977
JPN (6)	Transaction(6')	M		Simple service	Jan./1990		
7492	Investigation and security activities	GBR	List or transaction (1)	Q	116	Simple service or composite service (78)	Q3/1995
		AUS	Transaction	Q	35	Simple service or composite service	Mar./1998
		FRA	Transaction	Q	450	Composite service (79)	1992
		NZL	Transaction	Q	12	Simple service or service bundle (80)	1977
		MEX	Mark-up	M	4	Simple service	Jan./1997
		CZE	Mark-up	M	30	Simple service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
7493	Building cleaning activities	GBR	List or transaction (1)	Q	169	Simple service or composite service (81)	Q1/1992
		USA	Transaction	M	157	Service bundle (82)	Dec./1994
		AUS	Transaction	Q	37 (83)	Simple service or composite service	Dec./1997
					84 (84)	Simple service	Jun./1998
		FRA	Transaction	Q	300	Composite service (85)	1995
		NZL	Transaction	Q	20	Simple service	1977
		MEX	Mark-up	M	4	Service bundle	Jan./1997
		CZE	Transaction	M	30	Simple service	1/1/1994
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985
7494	Photographic activities	GBR	List or transaction (1)	Q	45	Simple service	Q1/1992
		NZL	Transaction	Q	7	Simple service	1977

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
		MEX	List	M	51	Simple service	Jan./1969
		FIN	Transaction (10)	M	56	Simple service	1972
7495	Packaging activities	NZL	Transaction	Q	2	Simple service	1977
		GBR	Contract prices	Q	n/a	Composite service	planned 2000
7499	Other business activities n.e.c.	GBR	Mark-up	Q	321 (86) 155 (87)	Simple service or composite service	Q2/1997 Jan./1998
		NZL	Transaction	Q	30	Simple service	1977
		JPN (6)	Transaction(6')	M		Simple service	Jan./1995
		AUS	Transaction	Q	30	Simple service	Jun./1998
			Transaction	Q		Simple service	Under Development
809	Adult and other education	GBR	List or transaction (1)	Q	223	Composite service	Q1/1992
		MEX	List	M	170	Simple service	Jan./1994
		FIN	Transaction (10)	Q	56	Simple service	1972
		NZL	Transition (9)	Q		Simple service	unsure
851	Human health activities	MEX	List	M	530	Simple service	Jan./1994
		NZL	Transaction	Q	77 (88)	Simple service or composite service or service bundle	
		FIN	Transaction (10)	M		Simple service	1967
		GBR	Transaction	Q	162	Composite service	Q3/1997
		USA	Transaction	M	4888	Service bundle	2000
852	Veterinary activities	NZL	Transaction	Q	44 (88)	Simple service or composite service	1977
		FIN	List (89)	Q		Simple service	1990
853	Social work activities	NZL	Transaction	Q	9	Simple service or composite service	1977
900	Sewage and refuse disposal, sanitation and similar activities	GBR	List or transaction (1)	Q	158	Simple service or composite service (90)	Q3/1995
		NZL	Transaction	Q	6	Simple service or composite service (91)	1977
		CZE	Transaction	M	90		1/1/1990
		FIN	Transaction (10)	M		Simple service	1981
		JPN (6)	Transaction(6')	M		Simple service	Jan./1985

**Table 2**

**Services Producer Prices**

**Summary of responses to inquiry on prices by ISIC activity**

Statistics Directorate

ISIC Revision 3		Country	Type of price collected	Frequency of pricing	Number of price quotations per period	Type of service priced	Start date
Code 1	Group / Class 2	3	4	5	6	7	8
		KOR		M			1995
921	Motion picture and video production and distribution	MEX	List	M	207	Simple service	Jan./1969
		NZL	Transaction	M,Q,A	21	Simple service or composite service	1977
		FIN	Transaction (10)	M		Simple service	1967
922	News Agency Activities						
923	Library, archives, museums and other cultural activities	MEX	List	M	22		Jan./1969
		NZL	Transaction	Q	2	Simple service	1977
		FIN	Transaction (10)	M		Simple service	1967
924	Sporting and other recreational activities	MEX	List	M	115	Simple service	Jan./1969
		NZL	Transaction (9)	Q,A	40	Simple service	1977
		FIN	Transaction (10)	M		Simple service	1967
		GBR	Transaction	Q	112	Simple service	Q3/1997

Table 3

OECD  
Statistics Directorate

Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
4510	Site preparation	JPN	54320	Site formation and clearance services	JPN	JPN - subsurface surveying services, of which item includes tests drilling and boring works
4520	Building of complete constructions or parts thereof; civil engineering	JPN	54260	General construction services of mines and industrial plant	JPN	JPN - machinery maintenance, of which item includes maintenance services of machinery in plants, such as chemical plants, iron foundries
502	Maintenance and repair of motor vehicles	GBR NZL JPN USA	87141	Maintenance and repair of motor vehicles	GBR, JPN, NZL, USA	
551	Hotels; camping sites and other provision of short-stay accommodation	GBR USA SWE NZL CAN PRT	63110	Hotel and motel lodging services	GBR, USA, NZL (1),SWE, CAN, PRT	Canada covers separately hotel services for business and hotel services for consumers SWE - including conference services
			6319	Other lodging services	PRT	
552	Restaurants, bars and canteens	GBR NZL PRT	63210	Meal serving services with full restaurant services	NZL (1), PRT	GBR- canteens (SIC)
			63220	Meal serving services in self-service facilities	PRT	
			63230	Caterer services, providing meals to outside	PRT	
			63290	Other food serving services	PRT	
			63300	Beverage serving services for consumption on the premises	PRT	
601	Transport via railways	GBR USA	64111	Interurban railway transport services of passengers	NZL (1), JPN	USA - railroad passenger transportation
			64112	Urban &suburban railway transport services of passengers	JPN	POL - rail passenger transport
			64121	Railway transport services of freight by refrigerator cars	AUS (2)	USA - railroad non-trailer on flat car shipments (13 commodities)

Table 3

OECD  
Statistics Directorate

Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
		AUS NZL JPN POL	64122 64123 64124 64129 64130	Railway transport of freight by tanker cars Railway transport services of containerised freight by flat cars Railway transport of mail by mail cars Other railway transport services of freight Railway pushing or towing services	AUS, NZL, JPN USA, AUS, NZL, JPN AUS, NZL, JPN AUS, NZL, JPN	POL - rail freight transport GBR- rail freight (SIC)
6021	Other scheduled passenger land transport	JPN	64211	Urban and suburban scheduled road transport services of passengers	JPN	JPN - buses
			64221	Taxis	JPN, GBR	
6022	Other non-scheduled passenger land	JPN	64222	Hire cars with operators	JPN	
		GBR	64223	Rental services of buses or coaches with operator	GBR	GBR- Non-local bus or coach journeys : all hirings
6023	Freight transport by road	GBR USA NLD AUS NZL JPN	64231 64232 64233 64234 64235 64236 64239 64250	Road transport services of freight by refrigerator vehicles Road transport services of freight by tank truck or semi-trailers Road transport services of containerised freight by trucks equipped with a container chassis Road transport services of freight by man- or animal-drawn vehicles Moving services of household and office furniture and other goods Road transport services of mail by mail trucks Other road transport services of freight Rental services of trucks with operator	AUS (3), NZL, JPN AUS, NZL, JPN AUS, NZL, JPN AUS AUS, NZL, JPN NZL AUS, NZL, JPN USA, AUS, NZL	trucking with storage; trucking, except local JPN - less-than-truckload freight, truckload freight USA - household goods moving ; household goods carriage JPN - less-than-truckload freight, truckload freight
603	Transport via pipelines	USA NZL AUS	64310 64390	Transport services via pipeline of petroleum and natural gas Transport services via pipeline of other goods	NZL, AUS	USA - crude petroleum pipelines; refined petroleum pipelines AUS - covers pipeline transport of gas and water
		GBR	65111	Coastal and transoceanic water transport services of passengers by ferries	AUS	POL - Sea and Coastal Passenger transport CPA 611111 NZL - coastal transportation of containerised freight ; sea transportation of containerised freight; coastal transportation of general freight; sea transportation of general freight



Table 3

## Services producer prices

OECD

Statistics Directorate

## Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
611	Sea and coastal transport	USA	65119	Other coastal and transoceanic water transport services of		
		DEU	65121	Coastal and transoceanic water transport services of freight by refrigerator vessels	AUS, JPN	POL - Sea and coastal freight transport CPA 61112 USA - deep sea foreign transportation of freight ; deep sea domestic transportation of freight AUS - international sea freight; coastal water transport of freight (4) JPN - ocean liners, ocean trampers, ocean tankers, coastal and inland waterways freighters, coastal and inland waterways ferries (motor vehicle carriers only), coastal and inland GBR- commercial vehicle ferries (SIC) DEU - Transportation services of containerised freight; other transport services of freight
		NZL	65122	Coastal and transoceanic water transport services of freight by tankers	DEU, JPN	
		JPN		Coastal and transoceanic water transport services of containerized freight by container ships	DEU, JPN, NZL	
			65123			
POL	65129	Other coastal and transoceanic water transport services of other freight	DEU, JPN, NZL, GBR			
612	Inland water transport	USA	6521	Inland water transport services of passengers	NZL (1), POL	
		NZL	65221	Inland water transport services of freight by refrigerator vessels		USA - freight transportation on the Great Lakes-St Lawrence seaway; Mississippi River transportation ; Pacific Inland Waterways transportation
		POL	65222	Inland water transport services of freight by tankers		
			65229	Other inland water transport services of freight		
			65230	Rental services of inland water vessels with operator		
			65240	Towing and pushing services on inland waters	USA	POL - Inland water freight transport CPA 612021
621	Scheduled air transport	GBR	66110	Scheduled air transport services of passengers	USA, GBR, NZL, JPN, SWE	
		USA	66210	Air transport services of mail	USA, NZL	
		SWE	66290	Air transport services of other freight	USA, AUS, NZL, JPN	JPN - international air freight, domestic air freight
		AUS				
		NZL				
622	Non-scheduled air transport	USA	66120	Non-scheduled air transport services of passengers	NZL	USA - air transportation, non-scheduled
		NZL	66300	Transport services via space		
		JPN	66290	Air transport services of other freight	JPN, NZL	USA - air transportation, non-scheduled, JPN - international air freight, domestic air freight
			66400	Rental services of aircraft with operator	NZL	

Table 3

OECD  
Statistics Directorate

Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products		
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7	
6301	Cargo handling	GBR	67110	Container handling services	USA, NZL, JPN, AUS	AUS - stevedoring	
		USA	67190	Other cargo handling services		NZL, JPN	USA - marine cargo handling
		NZL					
		JPN					JPN - stevedoring
AUS							
6302	Storage and warehousing	GBR	67210	Refrigerated storage services	USA, AUS (5), NZL, JPN		
		USA	67220	Bulk liquid or gas storage services		AUS (5)	
		AUS	67290	Other storage or warehousing services	AUS (5), NZL, JPN	USA - farm product warehousing and storage; general warehousing and storage	
		NZL				JPN - general warehousing and storage	
JPN							
6303	Other supporting transport activities	JPN	67520	Highway, bridge and tunnel operation services	JPN		
6304	Travel agencies and tour operators ; tourist assistance activities n.e.c.	USA	67811	Travel agency services	USA, NZL		
			67812	Tour operator services		NZL	
			67813	Tourist information services			
			67820	Tourist guide services			
6309	Activities of other transport agencies	USA	67910	Freight transport agency services and other auxiliary freight transport services	USA, GBR	GBR- freight forwarding	
		GBR	67990	Other supporting transport services n.e.c.	USA, JPN	JPN - packing for freight	
		JPN					
6411	National post activities	GBR	68111	Postal services related to letters	DEU, NZL, JPN	USA - first class mail; international air mail	
		USA		Postal services related to parcels		USA - second, third, fourth class mail; international surface mail	
		DEU	68112	Postal services related to parcels	GBR(6), DEU, NZL, JPN	POL - postal services CPA 641121	
		NZL	68113	Post office counter services	DEU	USA - terminal dues and transit fees; express mail; mailgram service	
		JPN	68119	Other postal services		DEU - services related to postal, giro and postal savings accounts (suspended 2000)	
						DEU - infopost and postal newspaper services	

Table 3

OECD  
Statistics Directorate

Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products		
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7	
		POL				POL - Communication motor transport CPA 64113'	
6412	Courier activities other than national post	GBR USA NZL	68120	Courier services	GBR, NZL, USA	USA - courier services except by air; air courier services	
642	Telecommunications	GBR	84110	Wired telecommunication services	USA, JPN, DEU	GBR - fixed telecommunication services, JPN - fixed telecommunications services: domestic fixed telecommunications services, international fixed telephone services, ISDN (Integrated Services Digital Network), data transmission services, domestic leased circuits, International leased circuits, and cable broadcasting	
			USA	84120	Wireless telecommunications services, except satellite	US(9), DEU, NZL, JPN	GBR - mobile telecommunication services, JPN - mobile telecommunications services: cellular phone services, PHS (Personal Handyphone System) services, and pager services
			DEU	84130	Satellite telecommunications services		
			SWE NZL	84200	On-line access services	GBR, AUS, JPN	JPN - data transmission services JPN - access charges
			CAN JPN AUS				SWE - fixed telecom services, mobile telecom services and Internet access charges
65	Financial intermediation services, except insurance and pension funding	NZL	71100	Financial intermediation services, except investment banking, insurance services and pension services	NZL, USA (planned)	JPN- remittance services, finance bills collection services, direct debit services, electronic banking services, foreign exchange and related services.	
			JPN	71200	Investment banking services	JPN	JPN securities issuance and related services JPN underwriting services
66	Insurance and pension funding	JPN	71311	Life insurance and individual pensions	USA		
			71331	Motor vehicle insurance	JPN	JPN - voluntary motor vehicle insurance, compulsory motor vehicle insurance	

Table 3

OECD  
Statistics Directorate

**Services producer prices**  
**Summary of responses to inquiry on prices by CPC product**

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
		USA	71332	Marine, aviation and other transport services	JPN	JPN - marine and other transportation insurance services
			71333	Freight insurance services	JPN	
			71334	Other property insurance	JPN	JPN - fire insurance
671	Activities auxiliary to financial intermediation except insurance and pension funding	USA	71521	Securities brokerage services	USA (8), NZL, JPN	
		NZL	71522	Commodity brokerage services		
		JPN	71523	Processing and clearing services of securities transactions		JPN- stock transfer agency services, securities issuance and related services, underwriting services
			71531	Portfolio management services	USA (8), JPN	
			71532	Trust services	USA (8)	
			71533	Custody services	JPN, USA (8)	JPN - trust business services
			71541	Financial market operational services	USA (8)	
			71542	Financial market regulatory services		
			71549	Other financial market administration services		
			71551	Financial consultancy services	USA (8)	
			71552	Foreign exchange services	NZL, JPN, USA(8)	JPN - foreign exchange and related services
	71553	Financial transactions processing and clearinghouse services	USA(8)			
	71559	Other services auxiliary to financial intermediation n.e.c.	USA(8)			
701	Real estate activities with own or leased property	GBR	72112	Renting or leasing services involving own or leased non-residential property	USA, AUS, NZL, JPN	JPN - Office space, sales space, hotel and parking space rental
		USA	72122	Trade services of non-residential buildings (and land)		
		AUS	72130	Trade services of vacant and subdivided land		
		NZL				
		JPN				GBR- agency services split into selling, letting and acquisition of property
702	Real estate activities on a fee or contract basis	USA				
		SWE	72212	Non-residential property management services on a fee or contract basis	USA, NZL, SWE	USA - real estate brokerage, commercial sales
		AUS	72222	Non-residential buildings (and land) sales on a fee or contract basis	NZL	USA - real estate brokerage, commercial sales, farms and land
		NZL	72230	Land sales on a fee or contract basis	NZL	

Table 3

OECD  
Statistics Directorate

**Services producer prices**  
**Summary of responses to inquiry on prices by CPC product**

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
		JPN				AUS - real estate agents residential sale or rent for others JPN Certified real estate evaluation services
7111	Renting of land transport equipment	GBR USA FRA AUS JPN	73111	Leasing or rental services concerning cars and light vans without operator	USA, AUS, NZL, JPN, FRA, GBR, SWE	FRA - Short-term rental
			73112	Leasing or rental services concerning goods transport motor vehicles without operator	USA, JPN NZL	SWE - rental services
			73113	Leasing or rental services concerning railroad vehicles without operator		
			73114	Leasing or rental services concerning other land transport equipment without operator	USA (8), NZL	
			73117	Leasing or rental services of containers	NZL	
						GBR- contract car hire (SIC)
7121	Renting of agricultural machinery and equipment	GBR AUS NZL USA	73121	Leasing or rental services concerning agricultural machinery and equipment without operator	GBR, AUS, NZL, US(8)	
7122	Renting of construction and civil engineering machinery and equipment	GBR FRA AUS NZL JPN	73122	Leasing or rental services concerning construction machinery and equipment without operator	GBR, AUS(10),NZL,JPN,SWE, FRA	SWE-Rental services
7123	Renting of office machinery and equipment	GBR AUS NZL JPN FRA USA	73123	Leasing or rental services concerning office machinery and (excl. computers) without operator	AUS(10), FRA, JPN, US(8),	SWE- Rental services
			73124	Leasing or rental services concerning computers without operator	AUS (10), FRA, JPN	
						GBR- renting of office machinery (SIC)

Table 3

OECD  
Statistics Directorate

Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
7129	Renting of other machinery and equipment n.e.c.	FRA AUS NZL JPN USA	73125	Leasing or rental services concerning telecommunications equipment without operator	JPN	
			73129	Leasing or rental services concerning other machinery and equipment without operator	AUS (10), JPN, USA(8)	
7130	Renting of personal and household goods n.e.c.	JPN	73250	Leasing or rental services concerning household linen	JPN	JPN - other rentals, of which item includes rental of mattress and bedclothes, uniforms, and pot plants.
			73260	Leasing or rental services concerning textiles, clothing and footwear	JPN	
			73290	Leasing or rental services concerning other goods n.e.c.	JPN	
721 + 722	Hardware consultancy Software consultancy and supply	CAN AUS NZL GBR USA FRA JPN	83141	Hardware consultancy services	CAN (11), AUS, NZL	USA - pre-packaged software GBR- software products and software support services
			83142	Software consultancy services	CAN (11), AUS, NZL, JPN	JPN Software development services
			83149	Other computer consultancy services	CAN (11), AUS	
			83150	Computer facilities management services	CAN (11)	
			83160	Systems maintenance services	CAN (11)	
723	Data processing	GBR AUS NZL JPN FRA USA	85960	Computer processing services	GBR, AUS, NZL, JPN, USA(8)	
724	Data base activities	GBR AUS NZL JPN	84300	on-line information provision services	JPN, AUS, NZL	GBR- disaster recovery

Table 3

OECD  
Statistics Directorate

Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
725	Maintenance and repair of office, accounting & computing machinery	NZL	87130	Computer hardware servicing, repair and maintenance	NZL	
73	Research and development	NZL	811	Research and experimental development services in natural sciences and engineering	AUS	AUS includes 81120,81130,81140,81150,81190&81220
		AUS	812	Research and experimental development services in social sciences and humanities	NZL	
			813	Interdisciplinary research and experimental development services		
7411	Legal activities	AUS	82111	Legal advisory and representation services concerning criminal law	NZL, JPN, AUS	USA - other legal services
			82119	Legal advisory and rep. services in judicial procedures concerning other fields of law	NZL, JPN, AUS	USA - legal services
		GBR USA	82120	Legal advisory and rep. services in statutory procedures of quasi-judicial tribunals, boards, etc.	NZL, JPN, AUS	JPN - attorney services
		NZL	82130	Legal documentation and certification services	NZL, JPN	JPN - patent attorney services, judicial scrivener services, certified social insurance and labor specialist services, certified real estate evaluation services, certified administrative procedures specialist services, certified real estate assessor for registration
		JPN	82199	Other legal advisory and information services n.e.c.	NZL, JPN, AUS	JPN - certified social insurance and labor specialist services
						GBR- legal activities (SIC)
7412	Accounting, book-keeping and auditing activities; tax consultancy		82211	Financial auditing services	USA, FRA, AUS(12), NZL, JPN	JPN - certified public accountant services
			82212	Accounting review services	FRA, AUS(12), NZL	USA - accounting compilation and review
		USA	82213	Compilation of financial statement services	FRA, AUS(12), NZL, JPN	JPN - licensed tax accountant services
		FRA	82219	Other accounting services	USA, FRA, AUS(12), NZL, JPN	JPN - certified public accountant services
		AUS	82220	Book-keeping services, except tax returns	USA, FRA, AUS(12), NZL, JPN	
		NZL	82310	Corporate tax planning and consultancy services	FRA, AUS(12), JPN	USA - accounting tax preparation and planning
		JPN	82320	Corporate tax preparation and review services	AUS(12)	

Table 3

OECD  
Statistics Directorate

Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
		GBR	82400	Insolvency and receivership services	AUS(12), NZL	
7413	Market research and public opinion polling	GBR AUS NZL JPN	83700	Market research and public opinion polling services	GBR, AUS(13), NZL, JPN	JPN market research only (exc public opinion polling)
7414	Business and management consultancy services	NZL AUS FRA	82191 83111 83112 83113 83114 83115 83119 83121 83129 83190	Arbitration and conciliation services General management consultancy services Financial management consultancy services Human resources management consultancy services Marketing management consultancy services Production management consultancy services Other management consultancy services Public relations services Other business consulting services Other management services, except construction project	FRA, NZL, AUS FRA AUS FRA, NZL, AUS NZL, AUS AUS NZL, AUS	
7421	Architectural and engineering activities and related technical consultancy	GBR USA CAN FRA AUS NZL JPN NOR	83131 83139 83211 83212 83219 83221 83222 8331 8332 8333 8334 8335 8339	Environmental consulting services Other scientific and technical consulting services n.e.c. Architectural advisory and pre-design services Architectural design and contract administration services Other architectural services Urban planning services Landscape architectural services Integrated engineering services Project management services concerning construction Advisory and pre-design services Engineering design services Engineering services during the construction and installation phase Other engineering services	AUS NZL, JPN, AUS NZL, AUS NZL CAN(14) CAN(14) CAN(14) CAN(14), NZL CAN(14), NZL CAN(14), NZL	USA - architectural design, analysis and consulting services           USA - engineering design, analysis and consulting services AUS - Consulting engineers



Table 3

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Statistics Directorate

Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
			83510	Geological, geophysical and other prospecting services		USA - metal mining prospect and test drilling; oil and gas exploration services, geophysical exploration; coal mining services, exploration and development work
			83520	Subsurface surveying services	AUS, JPN	JPN - subsurface surveying services, of which item includes tests drilling and boring works
			83530	Surface surveying services	AUS, JPN, NZL	
			83540	Map making services		
			83550	Weather forecasting and meteorological services	NZL	
						GBR- consulting engineers (SIC - part)
7422	Technical testing and analysis	NZL GBR	83561	Composition and purity testing and analysis services		
			83562	Testing and analysis services of physical properties		
			83563	Testing and analysis services of integrated mechanical and electrical		
			83564	Technical inspection services		
			83569	Other technical testing and analysis services		
						NZL - maintenance and servicing of medical/testing equipment
743	Advertising	USA AUS NZL JPN GBR	83610	Planning, creating and placement services of advertising	USA, AUS, NZL	
			83620	Purchase or sale of advertising space or time on commission	AUS, NZL, JPN	
			83690	Other advertising services	NZL	
7491	Labour recruitment and provision of personnel	GBR USA	85111	Executive search services	NZL	USA - employment agencies, professional/managerial occupations
			85112	Employment agency services	GBR, NZL	

Table 3

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Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
		FRA	85121	Supply of office support personnel services	NZL, JPN	USA - temporary help supply services, office and clerical occupations JPN - temporary employment services, of which item includes office support occupations (e.g., secretaries, receptionist, clerks, book-keepers, data entry operators, and work processor operators), software development engineers, interpreters, translators, producers and editors of books, and instructors for computer operations
		NZL JPN	85123	Supply of other commercial or industrial workers services	JPN	USA - temporary help supply services, light and heavy industrial occupations JPN - temporary employment services
			85124	Supply of medical personnel services		USA - temporary help supply services, medical and personal occupations
			85129	Supply of other personnel services	JPN	temporary
7492	Investigation and security activities	GBR	85210	Investigation services	AUS(15)	
		FRA	85220	Security consultation services	AUS(15)	
		FRA	85230	Alarm monitoring services	FRA, AUS(15), NZL, JPN	JPN - security services, of which item includes
		AUS	85240	Armoured car services	FRA, AUS(15), NZL, JPN	alarm monitoring services, armoured car services, guard services for building, management services
		NZL	85250	Guard services	FRA, AUS(15), NZL, JPN	for parking lots
		JPN	85290	Other security services	AUS(15)	
						GBR- security services (SIC)
7493	Building cleaning activities	GBR	85310	Disinfecting and exterminating services	AUS, NZL, JPN	
		USA	85320	Window cleaning services	FRA, AL(16), NZL, JPN	USA - building cleaning and maintenance services
		FRA	85330	General cleaning services	FRA, AL(16), NZL, JPN	n.e.c.
		AUS		Specialised cleaning services		JPN - building cleaning services, of which item includes cleaning services for office buildings, hotels, and sales spaces
		NZL	85340		FRA, AL(16), NZL, JPN	

Table 3

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Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
		JPN				JPN - facility management services, of which item includes management and maintenance services of electricity, air conditioning, preventing disaster facility, sanitary facility, elevators for office buildings, hotels, and sales spaces GBR- industrial cleaning (SIC)
7494	Photographic activities	GBR NZL	83111	Portrait photography services	NZL (1)	
			83812	Advertising and related photography services	NZL	
			83813	Action photography services		
			83814	Speciality photography services		
			83815	Restoration, copying and retouching services of photography		
			83819	Other photographic services	NZL	
			83820	Photography processing services	GBR	GBR- commercial film processing (SIC)
7495	Packaging activities	NZL GBR	85400	Packaging services	NZL, GBR	
7499	Other business activities n.e.c.	GBR NZL JPN	83410	Interior design services		
			83490	Other speciality design services		
			83910	Translation and interpretation services	GBR	
		AUS	83990	Other professional, scientific and technical services n.e.c.	JPN	JPN - certified real estate evaluation services, certified real estate assessor services for registration
			85910	Credit reporting services		GBR Direct marketing and secretarial services
			85920	Collection agency services	NZL , AUS*	
			85930	Telephone answering services		
			85940	Duplicating services	NZL , AUS*	
			85950	Mailing list compilation and mailing services	JPN	
			85970	Trade fair and exhibition organisation services		
85990	Other support services n.e.c.	NZL , AUS*				
					* AUS - secretarial services	
809	Adult and other education	GBR NZL	92900	Other education and training services	GBR, NZL	

Table 3

OECD  
Statistics Directorate

Services producer prices  
Summary of responses to inquiry on prices by CPC product

ISIC Revision 3		Country	CPC Version 1.0		Identification of service products	
Code 1	Group / Class 2	3	CPC code 4	Class / Sub-class 5	Country collecting price of product 6	Description of product, where no CPC code is applicable 7
900	Sewage and refuse disposal, sanitation and similar activities	GBR NZL JPN	94110	Sewage treatment services	JPN	
			94120	Tank emptying and cleaning services		
			94211	Non-hazardous waste collection services	NZL, JPN	
			94212	Non-hazardous waste treatment and disposal services	JPN	
			94221	Hazardous waste collection services	JPN	
			94222	Hazardous waste treatment and disposal services	JPN	
			94310	Sweeping and snow removal services		
			94390	Other sanitation services		
			94900	Other environmental protection services		
						GBR- waste disposal (SIC); sewerage services(SIC)
921	Motion picture, radio, tv and other	JPN	96160	Broadcasting programming and scheduling services	JPN	JPN Cable broadcasting
9301	Washing and dry cleaning services	GBR JPN	97120	Dry-cleaning	GBR	
			97130	Other textile cleaning services	GBR, JPN	JPN Linen supply services

Appendix A Notes to Tables 2 and 3

**Table 2 notes**

Services producer prices

Summary of responses to inquiry on prices by ISIC Activity

NOTES

1. GBR List prices used only when discounting not prevalent.
2. GBR External supplier - contract prices for comprehensive fleet maintenance services.
3. NZL Some composite services are priced, such as panel beating and painting.
4. NZL Some service bundles are priced, such as car lease contracts which include maintenance.
5. FIN Cost index for road transport of goods.
6. JPN Information concerning the frequency of pricing and the number of price quotations per period is not available for any ISIC Group or Class because only representative monthly transaction prices of principal companies are surveyed. The total number of price quotations a month is about 3,000.
- 6' JPN In principle transaction prices are collected. If these cannot be obtained list prices are used.
7. GBR Only hotels and motels with restaurants - business rates.
8. GBR Conference package deals.
9. NZL CPI items used as proxy.
10. FIN Uses CPI components.
11. GBR Only provision of workers canteens and airline meals - charges to businesses.
12. GBR Comprehensive catering services.
13. GBR Business passenger fares (rail fares for Group 601; air fares for Group 621).
14. GBR Freight by rail : contract prices.
15. GBR Transportation plus handling.
16. NZL "Other" refers to the average price for several classes of freight.
17. GBR Contract prices for combined transport and warehousing services.
18. USA Selected additional charges are sometimes bundled with the transport charge.
19. SWE "Other" refers to direct computation of production in constant prices.
20. AUS Diverse range of activitlogistics service.
21. AUS Service bundle including services such as freight plus warehousing plus stock control.
22. NZL Some composite services such as transport and handling/warehousing are priced.
23. NZL Service bundle refers to delivered bulk gas and petroleum prices.
24. GBR "Other" refers to average prices for commercial vehicle ferries.
25. AUS Covers international sea freight.
26. AUS Covers coastal water transport of freight.
27. GBR Air travel includes meals, etc.
28. SWE Domestic air transport only.
29. AUS Covers domestic air freight.
30. AUS Covers international air freight.
31. NZL Only some service bundles such as package travel are priced.
32. NZL Some composite services such as container hire and handling are priced.
33. USA In/out charges bundled with storage service.
34. AUS Diverse category covering simple management. Warehousing can include handling and distribution.
35. NZL Percent of commission fees converted to dollar value.
36. GBR Only freight forwarding activities.
37. GBR Total charge for arranging transportation of goods.
38. GBR External supplier - national posts parcels.
39. GBR External supplier - total charge for representative baskets of services.
40. USA Local service bills are bundled.
41. SWE "Other" refers to direct volume index and price index.

42. CAN Telephone business: tservice.
43. CAN Television broadcasting of advertisement price index under development. Advertising revenues by station.
44. NZL Bank margin on borrowing/lending converted to dollar value and deflated by CPI.
45. NZL "Other" refers to brokerage based percentage commission rates.
46. USA Expenses and utilities are bundled with leases.
47. AUS Refers to commercial property operators and developers.
48. FIN House price index, dwellings in old index.
50. NZL Real estate commission fees in percentage inflated by rental index to derive value.
51. GBR Contract car hire bought from a private company.
52. USA Selected required services bundled with rental services.
53. AUS Simple service corresponds to renting.
54. AUS Composite service corresponds to a fully maintained operating lease.
55. NZL Some composite services such as operator are priced.
56. AUS Fully maintained operating lease. ISIC Classes 7121 to 7129 are collected under the one index under 'Plant Hiring and Leasing'
57. NZL Description for ISIC group 7121 includes prices collected for groups 7122, 7123 and 7129.
58. NZL Some composite services such as machinery including opmaintenance are priced.
59. GBR Commercially produced index of property values and rental payments is used.
60. CAN Sixty firms surveyed for one type of service.
61. CAN Advisory, predesign and project management are included in the price index.
62. GBR Only supply of software and contract price for outsourcing of comprehensive IS services.
63. USA Software sold in suites are bundled.
64. GBR On-line access services.
65. GBR Computer processing services.
66. GBR Disaster recovery services.
67. USA Selected bills for various hourly wages are bundled.
68. POL service bundle is applied to freight transport by railway
69. GBR Model package of services as specified by contributor.
70. GBR Including some charge-out (external fee) rates.
71. USA Multiple services transactions are bundled.
72. FRA Price of a "mission" carried out for a client. "Missions" are classified beforehand.
73. GBR Covers only part of the class - consulting engi charge-out (external fee) rate.
74. USA Project input costs are bundled.
75. AUS Service bundle priced for surveying only. Bundles may vary from job to job.
76. USA Selected contracts for multiple advertisements are bundled.
77. GBR Mark-up prices for recruitment and transaction prices for provision of personnel.
78. GBR Some contract prices for composite security services are priced.
79. FRA Real contracts which may include one or several types of security services are priced.
80. NZL Some composite services such as security storage and armoured transportation are priced.
81. GBR Some contract prices for composite cleaning services are priced.
82. USA Selected contracts for multiple services are bundled.
83. AUS Covers pest control.
84. AUS Covers cleaning services.
85. FRA Real contracts including one or several types of cleaning services are priced.
86. GBR Translation services.
87. GBR Direct marketing/secretarial services.
88. NZL Plus CPI items.
89. FIN EC index of purchase prices of inputs in agricultural production.
90. GBR Some composite waste disposal and sewerage services are priced.
91. NZL Some composite services such as bin hire and rubbish disposal are priced.
92. POL Prices expressed in USD are converted to PLN with use of the current USD exchange rate.
93. POL Prices of services for freight transport by road are collected according to the NACE class 60.25 - Freight transport by road.
94. POL In case of foreign contractors – price depends on the exchange rate of DEM.

- 95. POL In passenger transport (foreign lines) – prices are settled taking into account the exchange rate of Swedish Crown; in freight transport – having in mind the current USD exchange rate.
- 96. POL In negotiations with foreign partners – prices are settled taking into account exchange rates.
- 97. POL Prices expressed in USD (international lines) – based on regulations of IATA. Prices expressed in PLN – taking into account the current USD exchange rate.

### Table 3 Notes

#### Services Producer Prices

Summary of responses to inquiry on prices by CPC product

#### NOTES

- 1. NZL Uses the CPI as proxy.
- 2. AUS Only a rail freight index is releasable - passenger services (64111) unpublished.
- 3. AUS Only a road freight index is releasable.
- 4. AUS May be combined with unpublished passenger services in the future.
- 5. AUS Only an "other than grain handling storage" index will be released.
- 6. GBR UK retail price index for postage used as proxy.
- 7. CAN For long distance telecommunication services only.
- 8. USA Not currently published.
- 9. USA To begin July 1999.
- 10. AUS Only one plant hiring or leasing index is releasable.
- 11. CAN One index that covers all CPC activities.
- 12. AUS Only a global index is releasable.
- 13. AUS Market research only.
- 14. CAN Canada produces indices by type of project/client market for all engimoted.
- 15. AUS Covers these CPC classes in concept but only one security services index is releasable.
- 16. AUS Covers these CPC classes in concept but only one commercial cleaning service releasable.

Appendix B  
Country abbreviations used

AUS	Australia
AUT	Austria
BEL	Belgium
CAN	Canada
CHE	Switzerland
CHN	China
CZE	Czech Republic
DEU	Germany
DNK	Denmark
ESP	Spain
FIN	Finland
FJI	Fiji
FRA	France
GBR	United Kingdom
GRC	Greece
HKG	Hong Kong, China
HUN	Hungary
IRL	Ireland
ISL	Iceland
ITA	Italy
JPN	Japan
KOR	Korea
LUX	Luxembourg
MEX	Mexico
MYS	Malaysia
NLD	Netherlands
NOR	Norway
NZL	New Zealand
POL	Poland
PRT	Portugal
SGP	Singapore
SWE	Sweden
THA	Thailand
TUR	Turkey
USA	United States



Appendix C National Contacts for Services PPIs

COUNTRY	Nominated National contact e-mail address
AUS	david.collins@abs.gov.au
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GRC	
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ISL	
ITA	
MYS	
TUR	
AUT	
LUX	
SGP	
THA	
FJI	