

INDICES USED IN THE OECD AREA TO DERIVE CONSTANT PRICE VALUE ADDED IN SERVICES

PART 2

Contribution to the Seventh Meeting
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by

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* The views expressed in this paper are those of the author and do not necessarily reflect those of the OECD or its Member Governments.

PART 2

INDICES USED IN THE OECD AREA TO DERIVE CONSTANT PRICE VALUE ADDED IN SERVICES

The indices described for double indicator methods relate to the way constant price **gross output** is derived.

I. MARKET SERVICES

G. Wholesale and retail trade, repair of motor vehicles, motorcycles and personal and household goods

ISIC CODE	ITEM HEADING	DESCRIPTION OF INDEX	COUNTRY
	<u>1. DOUBLE DEFLATION</u>		
50	Sale, maintenance and repair of motor vehicles and motorcycles	Producer price index or implicit price index used to deflate sales by kind of business	US
		Consumer price index	JA, FR, NE, NO
		Consumer price index and Wholesale price index (weighted average)	IT
		Consumer price index or wholesale price index	FI
51	Wholesale trade (except motor vehicles and cycles)	Producer price index or Implicit price index	US
		Unit value index	JA
		Consumer price index and Wholesale price index	FI
		Wholesale price index or implicit price index (base year wholesale trade margin ratio applied to constant price commodity flows entering wholesale trade to obtain trade margins in constant prices)	DE

		Implicit price index (base year wholesale trade margin ratio applied to constant price commodity flows entering wholesale trade to obtain trade margins in constant prices)	NE,NO
		Implicit price index (average of base and current year wholesale trade margin ratio on current values applied to constant price produ- cer values of commodity flows entering wholesale trade to derive trade margins in constant prices)	CA
52	Retail trade (except motor vehicles and cycles, including repair of personal and household goods)	Consumer price index	US,FI
		Implicit price index or Consumer price index	CA
		Unit value index	JA
		Implicit price index (base year retail margin ratio applied to constant price flows of goods entering retail trade to derive trade margins in constant prices)	DE,NE,NO
		Implicit price index (average base and current year retail margin on current values applied to constant price producer values of commodity flows entering retail trade to derive trade margins in constant prices)	CA

2. EXTRAPOLATION/DEFLATION

51	Wholesale trade	Trade margin ratio applied	IT
52	(except motor vehicles and cycles) and Retail trade (except motor vehicles and cycles, including repair of personal and household goods)	to constant price flows of goods entering trade	
		Volume index of products sold	FR

3. DEFLATION OF VALUE ADDED

50	Sale, maintenance and repair of motor vehicles and cycles	Combination of specific producer price and consumer price indices	UK
		Consumer price index	AU, IC
51	Wholesale trade (except motor vehicles and cycles)	Average retail price index	IC
		Wholesale price index	AU
52	Retail trade (except motor vehicles and cycles, including repair of personal and household goods)	Consumer price index	AU, IC

4. EXTRAPOLATION OF VALUE ADDED

G.	Wholesale and retail trade (including repair of motor vehicles, motorcycles and personal and household goods)	Output volume index obtained by deflation using selling price indices of wholesale and retail trade	GE
		Consumption volume index of traded goods	SP
50.	Sale, maintenance and repair of motor vehicles and cycles	Index of private final consumption at constant prices	AL
5050	Retail sale of automotive fuel	Physical quantity index based on deliveries of petroleum products	BE

51 52(exc 526)	Wholesale trade and commission trade, except of motor vehicles and motorcycles; retail trade except of motor vehicles and motorcycles	Implicit price index of private consumption expenditure on traded goods	BE
51.	Wholesale trade (except motor vehicles and cycles)	Index of constant price sales of wholesale enterprises	SW,AL
		Physical quantity output index of agricultural and energy products or constant price turnover index obtained by deflation using producer price indices for industrial materials, food and drink	UK
52.	Retail trade (except motor vehicles and cycles, including repair of per- sonal and household goods)	Index of constant price turnover of retail establishments	AL
		Constant price turnover index obtained by defla- tion using retail price index appropriate components	UK
		Deflated retail sales index by consumer price index	SW

5. OTHER METHOD :

A. "CONTROLLED DOUBLE DEFLATION or EXTRAPOLATION/DEFLATION"

(Preliminary estimate of constant price value added is obtained as a residual between constant price gross output and calculated intermediate consumption assuming fixed input coefficients in constant prices. Constant price gross output is obtained either by deflation or extrapolation, as described in column 3)

part 50 51	Sale, maintenance and repair of motor vehicles and motorcycles; retail	Constant price trade margins obtained from I-O calculations as fixed part	SE
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part 52	sale of automotive fuel; wholesale trade and commission trade, except of motor vehicles and motorcycles; Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods.	of final and intermediate demand	
502	Maintenance and repair of motor vehicles	Index of number of cars, buses and lorries used to extrapolate gross output	SE
526	Repair of personal and household goods	Consumer price index of personal and household goods used to deflate gross output	SE

B. PART DOUBLE EXTRAPOLATION, PART EXTRAPOLATION DEFLATION

50(exc 5050)	Sale, maintenance and repair of motor vehicles and motor cycles	Specific price indices (used to deflate trade margins), consumer price index relevant components (used to deflate maintenance and repair services), physical quantity index based on number of cars put in circulation (used to extrapolate sales of second-hand cars)	BE
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H. **Hotels and restaurants**

1. DOUBLE DEFLATION

55	Hotels and restaurants	Consumer price index (appropriate components)	GE,FR,IT, DE,FI,NE
551	Hotels, camping sites and other short stay accommodation	Consumer price index (appropriate components)	CA,NO
		Consumer price index and Corporate service price index	JA
		Room rate index	US

552	Restaurants, bars and canteens	Consumer price index	JA,NO
		Consumer price index (tax adjusted)	CA

2. EXTRAPOLATION/DEFLATION

552	Restaurants, bars and canteens	Physical quantity index of drinks consumed	NO
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3. DEFLATION OF VALUE ADDED

55	Hotels and restaurants	Retail price index (appropriate components)	UK
		Implicit price index of private consumption	BE
		Consumer price index (appropriate components)	SE
551	Hotels, camping sites and other short stay accommodation	Weighted average of consumer price index and relevant items in consumer price index	AU,IC
552	Restaurants, bars and canteens	Consumer price index (relevant items)	AU,IC

4. EXTRAPOLATION OF VALUE ADDED

55	Hotels and restaurants	Index of deflated sales	NZ
		Index of deflated sales (consumer price index relevant components used as deflator)	LU
		Physical quantity output index	SW
551	Hotels, camping sites and other short stay accommodation	Physical quantity output index	AL,SP
Part 551	Private lodging	Physical quantity output index based on number of nights spent	AU

552	Restaurants, bars and canteens	Constant price turnover index and constant price private final consumption expenditure index	AL
		Index of numbers employed	SP
I.	Transport, storage and communications		
	Transport and storage		
	1. <u>DOUBLE DEFLATION</u>		
	A. Passenger transport		
60 612 62	Land, inland water and air transport	Implicit output price index (output volume index based on passenger-kilometres)	GE
601 62	Rail and air transport	Implicit output price index (output volume index based on passenger-kilometres)	NE
612	Inland water transport	Implicit output price index (output volume index based on number of passengers transported)	NE
611	Sea transport	Implicit output price index (output volume index based on various types of volume indices)	NE
602	Other land transport	Composite output price index of implicit price index (output volume index of passenger-kilometres) and consumer price index	NE
		Consumer price index	AU
62	Air transport	Weighted price index of: net price index (for domestic flights), output price index (output volume index based on passenger-kilometres) and expenditure index (for charter flights)	DE

601 602 611 62	Rail, other land, sea and air transport	Consumer price index	IT
601 602 61	Rail, other land and water transport	Consumer price index	CA
601 602 part 62	Rail, other land and domestic air transport	Consumer price index	JA
601 612 62	Rail, inland water and air transport	Consumer price index	NO
62	Air transport	Consumer price index	SE
612 part 62	Inland water and international air transport	Corporate service price index	JA
611	Sea transport	Unit value index	JA
		Estimated price indicies based on volume (tonnage) and income (gross rates)	NO
601	Rail transport	Official tariff index	SP,SE
B. Freight transport			
60 612 62	Land, pipeline, inland water and air freight transport	Implicit output price index (output volume index based on tonne-kilometres carried)	GE
601	Rail freight transport	Implicit output price index (output volume index based on tonne-kilometres carried)	IT
601 61 62	Rail, water and air freight transport	Implicit output price index (output volume index based on number of tonnes transported)	DE
602 603	Other land, inland water freight and	Weighted average of: price index for "transport and	IT

612	pipeline transport	freight" and implicit output price index (output volume index based on number of vehicle-kilometres on motorways)	
601	Rail freight transport	Freight price index and indices of interprovincial and Canada/US freight revenue per tonne-mile	CA
		Unit value index	JA
		Official tariff index	SP
611	Sea freight transport	Unit value index and corporate service price index	JA
		Sea freight cost index	GE, BE
		Price indices of international freight	SE
		Implicit output price index (output volume based on various types of volume indices)	NE
		Estimated price indices based on volume (tonnage) and income (gross rates) by type and size of vessel	NO
		Implicit output price index (output volume index based on shipping tonnage)	CA
602 612 62	Other land, inland water and air freight transport	Corporate service price index	JA
602	Other land freight transport	Tariff indices for truck transport	DE
612	Inland water freight transport	Combined price index of consumer price index, price index for land transport and wage rate index	NO

C. Passenger and freight transport			
62	Air transport	Price index for charter and regular flights	CA
		Consumer price index	NO
D. Supporting and auxiliary transport activities, activities of travel agencies			
63	Supporting and auxiliary transport activities, activities of travel agencies	Consumer price index	JA
		Consumer price index for motorway tolls	IT
		Producer price index	FR
		Special estimated price index obtained from price indices of intermediate consumption goods and wage indices of these industries	GE
		Implicit price index (output volume index based on various types of volume indices)	NE
Part 63	relating to land transport	Net consumer price index	DE
	relating to water transport	Implicit price index and weighted price index	DE
		Price index based on wharfage handling cost, pilotage, harbour dues and services incidental to water transport	CA
	relating to air transport	Index of average weekly earnings	CA
	relating to warehousing	Average of wage rate index and net consumer price index (for electricity)	DE
		Price index based on weighted price of grain elevators by crop and average hourly earnings	CA

	Relating to travel agencies and parkings	Consumer price index (relevant components)	CA
	<u>2. DOUBLE EXTRAPOLATION</u>		
	A. Passenger and freight transport		
62	Air transport	Physical quantity output index of tonne-kilometres transported	BE
	B. Freight transport		
602	Other land transport	Average output volume index of tonne-kilometres carried, sales of diesel oil and turnover of hired truck transport deflated by a cost price index	NO
		Index of tonne-kilometres	AU
601	Rail and pipeline	Physical quantity index	NO
603	transport	of tonne-kilometres carried	
	<u>3. EXTRAPOLATION/DEFLATION</u>		
	A. Passenger transport		
601	Land,water and air tran-	Physical quantity ouput	FR
602	port	index	
61			
62			
602	Other land transport	Physical quantity output index of passenger miles (for intercity bus transport), of employment (for school buses), number of passenger trips (for other land transport) and constant price private consumption expenditure deflated by consumer price index for taxi fares	US

		Composite index of number of licences issued, kilometres operated and deflated turnover by consumer price index (for taxicabs) and deflated turnover by consumer price index (for buses)	NO
		Composite physical quantity output index based on number of passengers, passenger-kilometres and number of vehicles	SP
611	Sea transport	Physical quantity output index based on number of passengers from abroad	SE
	B. Freight transport		
60 61 62	Land (including pipeline), water and air transport	Physical quantity output index	FR
602 603 61	Other land, pipeline and water transport	Physical quantity index of tonne-miles	US
602	Other land transport	Volume index based on tonnes transported	CA
603	Transport via pipelines	Volume index of products carried	CA
601 62	Rail and air transport	Physical quantity output index of tonne-kilometres	SE
611	Sea freight transport	Physical quantity index of tonnes carried	IT
	C. Passenger and freight		
601	Rail transport	Physical quantity output index of passenger miles and tonne miles	US
62	Air transport	Physical quantity output index of passenger-miles and tonne-miles	US

62	Air transport	Implicit output price index (current output values deflated by various price indices)	IC
		Implicit output price deflator (for 2nd. and 3rd. level air transport operators)	NZ
	D. Supporting and auxiliary transport activities, activities of travel agencies		
63	Supporting and auxiliary transport activities, activities of travel agencies	Consumer price index (relevant components for railway station services and travel agencies)	FI
		Consumer price index (relevant components)	AU, SP
		Tariff indices (for stevedoring, forwarding and ports)	FI
		Implicit output price index (gross output deflated by producer price indices of airport operation) for supporting air transport operation	NZ

5. EXTRAPOLATION OF VALUE ADDED

A. Passenger transport

601	Rail transport	Physical quantity output index of passenger-kilometres	UK, AU, FI, LU
		Output volume index (current price output deflated by price index of urban and interurban rail passenger fares)	NZ
602	Other land transport	Output volume index (current price output deflated by consumer price index for public transport)	LU

D. Supporting and auxiliary transport activities,
activities of travel agencies

63	Supporting and auxiliary transport activities, activities of travel agencies	Volume index of imports and exports combined (exc. ships) for expedition and output volume index for manufacturing. Output index deflated by consumer price index (average dwellings, repairs) and wage price index for transport centrals, composite volume index based on number of automobiles and deflated output by consumer price index and wage rate index for other services.	NO
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4. DEFLATION OF VALUE ADDED

A. Passenger transport

602	Other land transport	Tariff indices (for buses)	FI
		Consumer price index (relevant components)	IC
61	Water transport	Consumer price index (relevant components)	FI

B. Freight transport

611	Sea Transport	Implicit output price index (calculated from current price gross output and volume of cargo carried)	NZ
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C. Passenger and freight

602	Other land transport	Implicit output price index (calculated from current and constant price revenue of road passenger and freight transport and allied services by sector. Deflators used are producer price indices)	NZ
611	Sea transport	GDP price index	IC

		Output volume index (turnover of taxi operators deflated by specific consumer price index)	UK
		Constant price final consumption expenditure index (for buses, trams and taxis)	AL
611	Sea transport	Output volume index (international passenger revenue deflated by specific consumer price index)	UK
612	Inland water transport	Physical quantity output index of number of passengers transported	AU, LU
62	Air transport	Physical quantity output index based on passenger-kilometres	AU
	B. Freight transport		
601	Rail transport	Index number of revenue tonne-kilometres carried	AU, NZ
602	Other land transport	Output volume index (current price output deflated by consumer price index)	LU
603	Transport via pipelines	Output physical quantity index based on tonne-kilometres	AU
611	Sea transport	Output volume index (receipts deflated by specific output price index)	UK
		Output volume index (deflated by price index of freight rates)	NZ
612	Inland water transport	Physical quantity output index of tonnage carried	AU, LU
62	Air transport	Physical quantity output index based on tonne-kilometers	AU

C. Passenger and freight transport

60	Transport and storage	Output volume index	SW
61		(current price output	
62		deflated by consumer	
63		price index)	
64			
601	Rail transport	Weighted physical quan- tity index based on number of passenger-kilometres, tonne-kilometres and de- flated own account capital formation	BE
61	Water transport	Physical quantity output index of tonnes of cargo carried and constant price revenue index from crane and coal loader hire	AL
		Physical quantity index of tonne-kilometres carried	UK, BE
611	Sea transport	Physical quantity index of volume of cargo and number of passengers carried	NZ

D. Supporting and auxiliary transport activities, activities of travel agencies

63	Supporting and auxiliary transport activities, activities of travel agencies	Output volume index (turnover deflated by consumer price index)	UK
		Physical quantity output index of tonnage handled, for river ports, or physical quantity output index of numbers of persons frequenting airports, for supporting services to air transport, or output volume index (current price output deflated by consumer price index), for other services	LU
		Physical quantity output index of volume of shipping through ports (for harbours)	NZ

Physical quantity output BE,NZ
index of volume of cargo
handled (for stevedoring)

6. OTHER METHOD :

A. "CONTROLLED DOUBLE DEFLATION or EXTRAPOLATION/DEFLATION"

(Preliminary estimate of constant price value added is obtained as a residual between constant price gross output and calculated intermediate consumption assuming fixed input coefficients in constant prices. Constant price gross output is obtained either by deflation or extrapolation, as described in column 3)

A. Passenger transport

part 602	Other land transport (buses)	Consumer price index (for local transport) used to deflate gross output	SE
	(taxis)	Number of taxi cabs used to extrapolate gross output	SE

B. Freight transport

602	Other land transport	Cost index based on intermediate consumption price index and on wage rate index used to deflate gross output	SE
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C. Passenger and freight

612	Inland water transport	Consumer price index for inland passenger transport used to deflate gross output	SE
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D. Supporting and auxiliary transport activities,
activities of travel agencies

63	Supporting and auxiliary transport activities, activities of travel agencies	Constant price output index calculated from output of rail, land freight, sea and air transport used as indicators	SE
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Communications

1. DOUBLE DEFLATION

64	Post and tele-communications	Consumer price index (relevant components)	JA,IT,NO
		Price indices of post and telephone charges	GE
		Net consumer price indices	DE
		Output volume indices	NE
		Consumer price index, wholesale price index and construction price indices	AU
641	Post and courier activities	Consumer price index (relevant components)	SE,SP
642	Telecommunications	Composite index of producer price indices of local and toll calls and of directory advertising	US
		Price index of telephone tariffs	SE,SP
Part 642	Cable TV	Consumer price index for cable TV	CA

2. EXTRAPOLATION/DEFLATION

64	Post and tele-communications	Output physical quantity index	FR
641	Post and courier activities	Output volume index (implicit price index used as deflator)	CA
642	Communications (excl. cable TV)	Output volume index (implicit price index used as deflator)	CA

3. DEFLATION OF VALUE ADDED

64	Post and tele-communications	Income volume index (specific price indices used as deflator)	IC
641	Post and courier activities	Price index of postal tariffs	BE
642	Telecommunications	Consumer price index of phone calls	FI
Part 642	Telegraph and telephone	Consumer price index (relevant components)	BE
	Radio and TV	Wage rate index	BE

4. EXTRAPOLATION OF VALUE ADDED

64	Post and tele-communications	Output physical quantity index	LU
		Output volume index	SP
		Index of constant price income (consumer price index for phone calls used as deflator)	SW
641	Post and courier activities	Output physical quantity index	US,UK,AL,NZ
		Income volume index	FI
642	Communications	Constant price turnover index (specific consumer price index used as deflator)	UK
Part 642	Telephone rentals and connections	Output physical quantity index	AL
	Phone calls and other revenue	Output volume index (relevant consumer price index components used as deflators)	AL
	International tolls	Output physical quantity index	NZ
	Domestic tolls	Output volume index (relevant price indices used as deflators)	NZ

	Own account capital formation	Index of hours worked	NZ
J.	Financial intermediation		
	1. <u>DOUBLE DEFLATION</u>		
65 66 67	Financial intermediation	Producer price index	FR
65 6601 67	Financial intermediation except insurance and pension funding; life insurance; activities auxiliary to financial intermediation	Unit value index	JA
65 6601	Financial intermediation except insurance and pension funding; life insurance	Weighted average wage rate index and net price index	DE
65	Financial intermediation except insurance and pension funding	Implicit price index (obtained from deflated total weighted value of assets and liabilities)	CA
part 65	Financial intermediation except insurance and pension funding (excl. imputed bank services)	Specific price index	GE
	Imputed bank services	Domestic demand price index	IT
		Special price index	IT
part 651	The interest margin	Composite price index (obtained by multiplying the price index of demand and the interest spread)	FI
part 651 659 67	Monetary intermediation (excl. the interest margin), other financial intermediation, activities auxiliary to financial intermediation	Main inputs price index	FI
6601	Life insurance	Implicit price index for private consumption expenditure (relevant components)	US

		Implicit output price index (output volume is obtained by extrapolation of base year output; volume indices are obtained by deflation using the consumer price index).	GE
		Output volume index (obtained from number of policies deflated premium incomes using base year unit costs for various types of insurance)	CA
6602	Pension funding,	Weighted average	DE
6603	non life insurance,	industrial workers' wage	
67	activities auxiliary to financial intermedia-tion	rate index, consumer price index (for casualty insurance), net consumer price index (for automobile insurance), construction price index for one-family houses	
6602	Pension funding	Corporate service price index and consumer price index	JA
6603	Non life insurance		
		Implicit output price index (output volume is obtained by extrapolating base year output; volume indicators are obtained by deflation using special price indices)	GE
		Implicit output price index (obtained from deflated premiums for property and casualty insurance, from number of persons covered weighted by base year premiums for accidental sickness)	CA
part	Motor vehicle	Consumer price index	NO
6603	insurance	(for car insurance)	

67	Activities auxiliary to financial inter-mediation	Various price indices of rent, consumer price index (relevant components) implicit price index for commissions of brokers and dealers.	DE
		Special estimated price index obtained from price indices of intermediate consumption goods and wage indices of the industry	GE
671	Activities auxiliary to financial inter-mediation, except insurance and pension funding	Implicit price index of securities commissions (for mutual fund sales), implicit GNP price index (for other revenues, security exchanges), composite index of implicit price deflators for commissions, under-writing and GNP (for commodity brokers, dealers, and exchanges of securities and commodities)	US

2. EXTRAPOLATION/DEFLATION

65 part 66	Financial intermediation except insurance and pension funding; insurance and pension funding (except motor vehicle insurance)	Index of man-hours worked	NO
Part 65	Other financial intermediation (imputed bank services)	Volume index of the sum of credits and debits of financial institutions (price index of national final uses is used as deflator)	GE
66	Insurance and pension funding, except compulsory social security	Output physical quantity index (number of contracts weighted by amount of capital insured)	IT
part 66	Compulsory insurance	Constant price wage index (CPI relevant components used as deflator)	FI

part 66	Voluntary insurance	Output physical quantity index (number of policies) or output volume index (consumer price index relevant components used as deflator)	FI
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part 67	Security brokers and dealers	Output physical quantity index (number of public security orders)	US
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3. DEFLATION OF VALUE ADDED

65 66 67	Financial intermediation	Implicit output price index (specific price indices and consumer price index are used to deflate output)	BE
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	Weighted price index of components of value added	NE
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	Consumer price index of services excl. rents	SP
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6601	Life insurance	Volume index of administrative costs (average earnings index is used as deflator)	UK
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4. EXTRAPOLATION OF VALUE ADDED

65 66 67	Financial intermediation	Average of deflated wage bill index and of index of man-years worked	IC
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	Index of number of hours worked adjusted for 2% increase in productivity	SE
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	Index of number of hours worked	AL
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65	Financial intermediation except insurance and pension funding	Various output volume indices	AU
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	Volume index of deposits	LU
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651	Monetary intermediation	Index of numbers employed	US
		Output volume index (retail price index used as deflator of deposits/ loans) and output physical quantity index of number of transactions and index of numbers employed adjusted for productivity change	UK
		Output volume index (GDP price index used as deflator)	SW
part 651 659	Monetary interme- diation; other financial intermediation	Output volume index	NZ
part 651	Reserve Bank	Index of numbers employed	NZ
659	Other financial inter- mediation	Output volume index (Retail price index used as deflator for building society liabilities) and output physical quantity index of number of advances made by building societies and index of numbers employed	UK
66	Insurance and pension funding, except com- pulsory social security	Output physical quantity index	LU
		Volume index of inter- mediate consumption (consumer price index for insurance used as deflator)	SW
		Output volume index based on deflated sums assured (life and fire insurance) or deflated premiums (motor, personal and other accident insurance) or deflated commissions paid	NZ
6601	Life insurance	Output physical quantity index (number of contracts)	AU

6602	Pension funding	Volume index of total	UK
6603	non-life insurance	premiums net of reinsurance (specific consumer price index used as deflator)	
6602	Pension funding;	Output volume index	AU
6603	non-life insurance;	(consumer price index	
67	activities auxiliary to financial inter- mediation	used as deflator)	
67	Activities auxiliary to financial inter- mediation	Output volume index of total premiums net of reinsurance (specific consumer price index used as deflator) and output physical quantity index of number of trans- actions in securities	UK
		Output volume index (consumer price index used as deflator)	LU
part	Holding and other	Index of number of	US
67	investment companies	persons employed	
K. Real estate, renting and business activities			
Real estate			
1. <u>DOUBLE DEFLATION</u>			
70	Real estate activities	Price index of rents	NE
		Consumer price index for gross rents	NO,SP
part	Owner occupied and	Price index of rents	GE
70	rented dwellings	Consumer price index	FR
		Implicit price index of households domestic final consumption	IT
		Specific output price indices based on the microcensuses consumer price index	AU

	Weighted average of index of rents for existing dwellings and index of rents for new dwellings	DE
Owner occupied dwellings	Implicit price index for imputed rent (constructed using a volume index of space and consumer price index for water and factors for the amount of owner occupied housing)	CA
Owner occupied non-farm housing	Consumer price index of owners' equivalent rent	US
Rented dwellings	Consumer price index for residential rent	US
Rented dwellings and other real estate activities	Corporate service price index	JA
Other real estate activities	Special estimated price index obtained from price indices of intermediate consumption goods and wage indices of these industries	GE
	Producer price index	FR
	Implicit price index obtained by dividing current price output by constant price stock of capital	IT
	Average commissions price index on sales of one-family houses	DE

2. EXTRAPOLATION/DEFLATION

part 70	Owner occupied and rented dwellings	Output volume index of stock of dwellings (taking into account the quality standard of dwellings)	FI
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Owner occupied farm housing	Replacement cost index of farm dwellings	US
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3. DEFLATION OF VALUE ADDED

part 70	Other real estate activities	Price index of rental income per square foot	US
		Consumer price index (for services)	BE
		Consumer price index	IC

4. EXTRAPOLATION OF VALUE ADDED

70	Real estate activities	Output volume index (consumer price index for rents or construction price index used to deflate output)	LU
		Index of deflated wage bill (consumer price index for private services used as deflator)	SW
		Index of hours worked	AL
part 70	Owner occupied and rented dwellings	Composite output volume index taking into account the number of households and quality change in construction and transformation of dwellings	BE
		Output physical quantity index (average number of owner occupied permanent dwellings or average number of rented dwellings)	NZ
	Owner occupied dwellings	Constant price index of net stock of residential buildings	IC
	Commercial buildings	Output volume index (producer price index of commercial property rental used as deflator)	NZ

Other real estate activities	Output volume index (price index for rents used as deflator)	AU
	Output physical quantity index of stock of other real estate than dwellings (for renting and attending) or number of deals concluded (for real estate agents)	FI,NZ
House and estate agents	Output physical quantity index (number of property transactions)	UK
Owning and dealing in real estate	Volume index of gross capital stock of relevant building at 1985 prices and index of non-trading capital consumption of local authorities and index of number of employees in housing departments adjusted for productivity change	UK

5. OTHER METHOD :

A. "CONTROLLED DOUBLE DEFLATION or EXTRAPOLATION/DEFLATION"

(Preliminary estimate of constant price value added is obtained as a residual between constant price gross output and calculated intermediate consumption assuming fixed input coefficients in constant prices. Constant price gross output is obtained either by deflation or extrapolation, as described in column 3)

part 70	Owner occupied dwellings	Stock of 1 and 2 family houses used to extrapolate gross output	SE
	Rented dwellings	Stock of rented dwellings used to extrapolate gross output	SE
	Other real estate activities	Stock used to extrapolate gross output	SE

Renting and business services

1. DOUBLE DEFLATION

71	Renting of machinery and equipment without operator and of personal and	Wage rate index	NO
72			
73			

74	household goods; computer and related activities; research and development; other business services		
71 72 73 part 74	Renting of machinery and equipment without operator and of personal and household goods; computer and related activities; research and development; other business services	Special estimated price index obtained from price indices of intermediate consumption goods and wage indices of these industries	GE
part 71 72 73 74	Renting of machinery and equipment without operator and of personal and household goods; computer and related activities; research and development; other business services	Producer price indices	FR
71 72 74	Renting of machinery and equipment without operator and of personal and household goods; computer and related activities; other business services	Weighted average consumer price index of legal services, advertising and car insurance	IT
711 72 part 74	Renting of transport equipment; computer and related activities; other business services	Corporate service price index	JA
712 73 part 74	Renting of other machinery and equipment; research and development; other business services	Input cost index	JA
711 7411	Renting of transport equipment; legal activities	Consumer price index (relevant components)	US,NE
71	Renting of machinery and equipment without operator and of personal and household goods	Consumer price index (for automobile and truck rental), machinery and equipment price index (for rental of other machinery and equipment), average weekly earnings index (for other services to business and persons)	CA
712	Renting of other machinery and equipment	Weighted average wholesale price index	DE

713	Renting of personal and household goods	Consumer price index	JA,FR
72	Computer and related activities	Implicit price index	CA
		Price index for selected computer runs	DE
part 73 part 74	Research and development; other business activities	Average price index of implicit price index of legal activities, average weekly earnings index of accountants, engineers and architects	CA
part 74	Other business activities	Index of average weekly earnings or weighted implicit price index based on average cost at print medium, radio and TV advertising and outdoor advertising or tax adjusted consumer price index for photographers and consumer price index for repair services	CA
		Weighted average of price index for advertising in newspapers, magazines, index of printing costs and wage index or weighted average of fee index related to purchase of 1-family houses and wage index of salary earners or weighted average index of construction costs and wage index (for architectural and engineering activities) or wage index or net consumer price index	DE
		Index of building costs	GE

2. DEFLATION OF VALUE ADDED

71	Renting of machinery and equipment without operator and of personal and household goods	Consumer price index	IC
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711	Renting of transport equipment	Consumer price index (for the use of cars)	FI
712	Renting of other machinery and equipment;	Output price index (derived from wholesale price index)	FI
713	renting of personal and household goods		
713	Renting of personal and household goods	Implicit price index for private consumption expenditure (for other services to households)	BE
72	Computer and related activities; research and development; other business activities	Consumer price index (for services)	BE
73			
74			
72	Computer and related activities; research and development; other business activities	Wage rate index	NE
73			
74(exc 7411)			
72	Computer and related activities; other business activities	Index of intermediate consumption costs and of wage rates	FI
part 74			
part 74	Other business activities	Index of average wages and salaries per full time equivalent employee	US
		Building cost index (for architectural, engineering and other technical activities)	FI

3. EXTRAPOLATION OF VALUE ADDED

71	Renting of machinery and equipment without operator and of personal and household goods; computer and related activities; research and development; other business activities	Output volume index (consumer price index taken as deflator)	LU
72			
73			
74		Index of number of working proprietors and of number of hours paid	NZ
71	Renting of machinery and equipment without operator and of personal and household goods; computer related activities; other business activities	Index of hours worked	AL
72			
74			

71 72 part 74	Renting of machinery and equipment without operator and of personal and household goods; computer related activities; other business activities	Volume index based on quarterly growth rates of total employment	SP
711 712	Renting of transport equipment; renting of other machinery and equipment	Output physical quantity Index based on number of leasing contracts	AU
711	Renting of transport equipment	Output volume index based on constant price expenditure on self-drive cars	UK
712 72 73 part 74	Renting of other machinery and equipment; computer and related activities; research and development; other business activities	Weighted employment index	US
712	Renting of other machinery and equipment	Index of constant price turnover (of hirers of industrial goods)	UK
713	Renting of personal and household goods	Output volume index (price index of durable and semi-durable goods used as deflator)	AU
		Output volume index of retail sales for relevant activities	UK
72 73 74	Computer and related activities; research and development; other business activities	Index of numbers employed adjusted for labour productivity change	AU
72 part 74	Computer and related activities; other business activities	Average of index of man-years worked and output volume index (building cost index used as deflator)	IC
72	Computer and related activities	Constant price turnover index (weighted combination of specific output prices and wage rates used as deflator)	UK

73 part 74	Research and development; other business activities	Index of numbers employed adjusted for changes in labour productivity	UK
73	Research and development	Index of numbers employed	SP,NZ
74	Other business activities	Deflated wage bill index (consumer price index used as deflator)	SW
7411	Legal activities	Physical quantity output index (number of mortgage advances) and index of number of court proceed- ings employees, adjusted for productivity change	UK
		Index of number of man- years worked	IC

4. OTHER METHOD :

A. "CONTROLLED DOUBLE DEFLATION or EXTRAPOLATION/DEFLATION"

(Preliminary estimate of constant price value added is obtained as a residual between constant price gross output and calculated intermediate consumption assuming fixed input coefficients in constant prices. Constant price gross output is obtained either by deflation or extrapolation, as described in column 3)

712 713	Renting of other mach- inery; renting of pers- onal and household goods	Price index used to deflate gross output	SE
72 74	Computer and related activities; other business activities	Wage rate index used deflate gross output	SE
711	Renting of transport equipment	Physical quantity output index (stock of cars for leasing) used to extra- polate gross output	SE
73	Research and development	Index of hours worked used to extrapolate gross output	SE

M. Education

1. DOUBLE DEFLATION

80 inc. 923	Education; library archives, museums and other cultural activities	Composite index of implicit price indices of private consumption expenditure for private education, museums, libraries and private ed- ucation housing and meals	US
		Implicit price index based on university enrollment and constant price output indicator and consumer price index of private lessons	CA
80	Education	Special estimated price index obtained from price indices of intermediate consumption goods and wage indices of these industries	GE
		Net price index of driving school and music lessons	DE
		Consumer price index	FR, IT
		Combined consumer price index of education fees and wage price index	NO
809	Adult and other education	Input cost index	JA

2. EXPTRAPOLATION/DEFLATION

809	Adult and other education	Number of driving licences index used as extrapolator for gross output	FI
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3. DEFLATION OF VALUE ADDED

80	Education	Implicit private cons- umption price index (of other services to house- holds	BE
809	Adult and other education	Consumer price index (for tuition fees)	SP

4. EXTRAPOLATION OF VALUE ADDED

80	Education	Index of numbers employed adjusted for labour productivity change	UK
		Index of numbers employed	LU
		Index of number of student contact days	NZ
		Composite index of constant price intermediate consumption, deflated wage bill and number of hours worked	AL
801	Primary education;	Physical quantity output	SP
802	secondary education;	index based on number of	
803	higher education	pupils and students	
809	Adult and other education	Output volume index (consumer price index used as deflator)	AU

5. OTHER METHOD :

A. "CONTROLLED DOUBLE DEFLATION or EXTRAPOLATION/DEFLATION"

(Preliminary estimate of constant price value added is obtained as a residual between constant price gross output and calculated intermediate consumption assuming fixed input coefficients in constant prices. Constant price gross output is obtained either by deflation or extrapolation, as described in column 3)

part 80	Education (except driving schools)	Wage rate index used to deflate gross output	SE
	Driving schools	Output physical quantity index based on number of licensed pupils used to extrapolate gross output	SE

N. **Health and social work**

1. DOUBLE DEFLATION

851	Human health activities;	Consumer price index	FR, IT, SP
852	veterinary activities		
851	Human health activities	Consumer price index	JA

		Special price index based on consumer price statistics (for hospitals), rates of payment per kind of service (for doctors and dentists under compulsory insurance schemes), special price index based on consumer price stat- istics (for doctors and dentists under private insurances)	GE
		Net consumer price index for doctors and dental services adjusted for changes in government payment share, net consumer price index for massage, wage index for skilled wage earners for orthopaedists	DE
		Health service price index	FI
part 851 part 853	Human health activities; social work activities	Weighted combination of consumer price index components (for dentists and health care and special care facilities), rates of remun- eration of physicians and income price index	CA
part 851	Hospital activities	Composite index of input prices and consumer price index of hospital rooms	US
		Implicit price index (based on dividing labour income by employment)	CA
		Price index of government fees for health services	NO
	Medical and dental practice activities; other human health activities	Consumer price index for physicians, dentists, other professional medical services, out-patient care facilities; composite index of input prices for nursing and personal care	US

	Medical and dental practice activities	Consumer price index for medical services	BE
		Consumer price index	NE
852	Veterinary activities	Corporate service price index	JA
		Special price index based on consumer price statistics	GE
		Index of expenditure per hectare in agriculture adjusted for number of animals per hectare in agriculture, average wage index for skilled wage earners and net consumer price index for dog food	DE
		Unit price index of consultations	NO

2. EXTRAPOLATION/DEFLATION

part 851	Medical and dental practice activities	Index of number of doctors and dentists	NO
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3. DEFLATION OF VALUE ADDED

part 851	Hospital activities	Implicit private consumption price index for other services to households	BE
		Index of gross wage rate per person employed	NE
852	Veterinary activities	Consumer price index	BE

4. EXTRAPOLATION OF VALUE ADDED

851	Human health activities	Index of numbers employed adjusted for labour productivity change	UK
852	Veterinary activities	Output volume index (consumer price index for medical services and hospitals used as deflator)	LU

		Wage bill index deflated by consumer price index for health services	SW
851	Human health activities	Output volume index (consumer price index used as deflator)	AU
		Composite index of constant price inter- mediate consumption, deflated wage bill and hours worked	AL
		Composite index based on output volume index (measured by constant price government subsidy to medical practitioners), physical quantity index of number of occupied beds and of number of specialists, and index of hours worked	NZ
part 851	Other human health activities	Private consumption volume index of these services	BE
852	Veterinary activities	Index number of vets adjusted for labour productivity change	AU
		Gross output volume index	FI
		Index of number of registered vets.	NZ
853	Social work activities	Composite physical quantity index based on numbers employed, numbers in care and number of beds	NZ

5. OTHER METHOD :

A. "CONTROLLED DOUBLE DEFLATION or EXTRAPOLATION/DEFLATION"

(Preliminary estimate of constant price value added is obtained as a residual between constant price gross output and calculated inter-mediate consumption assuming fixed input coefficients in constant prices. Constant price gross output is obtained either by deflation or extrapolation, as described in column 3)

part 851	Private medical treatment	Physical quantity index based on number of visits to private doctors used to extrapolate gross output	SE
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	Dental services	Consumer price index for dental treatment used to deflate gross output	SE
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B. PART DEFLATION, PART EXTRAPOLATION OF VALUE ADDED

851	Human health activities	Consumer price index (relevant components) and index of average man-years worked	IC
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0. Other community, social and personal service activities

1. DOUBLE DEFLATION

90 9211 922 93	Sewage and refuse disposal, sanitation and similar activities; motion picture and video production and distribution; news agency activities; other service activities	Producer price index	FR
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90 922	Sewage and refuse disposal, sanitation and similar activities; news agency activities	Input cost index	JA
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90 93	Sewage and refuse disposal, sanitation and similar activities; other service activities	Consumer price index (relevant components)	GE
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90	Sewage and refuse disposal, sanitation and similar activities	Combination of wage index, index of tariffs for removal of household garbage, and net price index for chimney and window cleaning	DE
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	Composite price index of wage index for cleaning services and price index of waste management	FI
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	Wage price index	NO
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92	Recreational, cultural and sporting activities	Consumer price index (relevant components)	IT,SP
92(exc 9213 922) 93	Recreational, cultural and sporting activities; other service activities	Consumer price index	JA
92(exc 9212 9213)	Recreational, cultural and sporting activities	Special estimated price index obtained from price indices of intermediate consumption goods and wage indices of these industries	GE
92(exc 9211 922)	Recreational, cultural and sporting activities	Consumer price index	FR
9211 9212	Motion picture and video production and distribution; motion picture projection	Tax adjusted consumer price index	CA
9211	Motion picture and video production and distribution	Wage index for unskilled female wage earners	DE
9212	Motion picture projection	Price index of entrance fee	GE
		Net consumer price index of entrance fee	DE
9213 93	Radio and television activities; other service activities	Consumer price index	NE
9213	Radio and television activities	Composite index of advertising cost indices by type of media	US
		Weighted price index of fees and advertising spots	GE
		Cost index of advertising for television	CA
		Radio and TV licence adjusted for broadcasting hours	DE

		Combination of TV licence price index and programme time price index	FI
		Consumer price index (for radio and TV licences)	NO
9214 9219 9233 part 9241 part 9249	Dramatic arts, music and other arts activities; other entertainment activities; botanical and zoological gardens and nature reserves; sporting activities; other recreational activities	Weighted price index including consumer price index for live shows, spectator sports, CPI all items and for meals	CA
9214 9219	Dramatic arts, music and other arts activities; other entertainment activities	Implicit price index for theatres (output volume based on number of hours played), 10% price increase per year for artists, weighted index of wage indices (orchestras, recording studios, ticket agencies), of wholesale price index for recording tape and net consumer price index for cinemas	DE
part 9214 924	Theatres, other entertainment activities n.e.c.; sporting and other recreational activities	Consumer price index and implicit price index of private consumption expenditure (for parimutual net receipts)	US
part 9241 part 9249	Sporting activities; other recreational activities	Weighted price index for lotteries and parimutual betting based on consumer price index, all items	CA
923	Library, archives, museums and other cultural activities	Net consumer price index	DE
924	Sporting and other recreational activities	Weighted index of net consumer price indices and wage indices; index of average entrance fee (for race courses)	DE
93	Other service activities	Consumer price index (relevant components)	US

Tax adjusted consumer price index for laundries and other personal services CA

Net consumer price index for laundries and hair-dressing, implicit price index for funeral services (volume index based on number of deaths), wage index for other service activities n.e.c. DE

Consumer price index (for betting and lotteries) SP

2. DOUBLE EXTRAPOLATION

part 921 923	Cinemas, theatres; library, archives, museums and other cultural activities	Physical quantity output index based on number of visitors	NO
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part 9214 part 924	Concerts; sporting and other recreational activities	Index of man-hours worked	NO
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part 924	Betting and lotteries	Unit price index for betting and lotteries	NO
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3. DEFLATION OF VALUE ADDED

90 92(exc 9212) 93	Sewage and refuse disposal, sanitation and similar activities; other service activities	Consumer price index	LU
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90	Sewage and refuse disposal, sanitation and similar activities	Consumer price index (for other services to enterprises)	BE
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		Index of wage rate per person employed	NE
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921 923 924 93	Motion picture, radio, television and other entertainment activities; Library, archives, museums and other cultural activities; sporting and other recreational activities; other service activities	Implicit price index of private consumption (of other services to households)	BE
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9211	Motion picture and video	Wage rate index	US
9212	production and distrib- ution; motion picture projection		
9212	Motion picture projection	Consumer price index (relevant components)	IC,LU
part 9214	Theatres	Output price index	US
922	News agency activities	Consumer price index for services	BE
		Index of wage rate per person employed	NE

4. EXTRAPOLATION OF VALUE ADDED

90 92(exc 9213 9219 93	Sewage and refuse disposal, sanitation and similar activities; recreational, cultural and sporting activities; other service activities	Output volume index (relevant components of producer price index used as deflators)	NZ
90	Sewage and refuse disposal, sanitation and similar activities	Index of numbers employed adjusted for labour productivity change	UK
		Output volume index (consumer price index used as deflator)	AU
		Output volume index based on growth rates of total employment	SP
		Output physical quantity index based on number of premises with sewerage connections	AL
911	Activities of business, employers and professional organisations	Index of number of members	NZ
921(exc 9213) 923 924	Motion picture and other entertainment activities; Library, archives, museums and other cultural activ- ities, sporting and other recreational activities	Index of numbers employed	NE

921(exc 9213 9212)	Motion picture, radio television and other entertainment activities	Output volume index based on constant price private final consumption expenditure on non-gambling entertainment	AL
9211 9212 9213	Motion picture and video production and distrib- ution; motion picture projection; radio and television activities	Output volume index (current price turnover deflated by specific consumer price index)	UK
9211	Motion picture and video production and distrib- ution	Index of numbers employed	AU
		Output volume index	FI
9212	Motion picture projection	Output volume index (consumer price index used as deflator) and number of visitors	AU
		Physical quantity index based on number of entrances in cinemas	FI
9213 9214 9219 924 93	Radio and television activities, dramatic arts, music and other arts activities, other enter- tainment activities n.e.c. sporting and other recreational activities; other service activities	Output volume index (consumer price index used as deflator)	AU
9213	Radio and television activities	Output volume index based on constant price revenue earned by radio and TV broadcasters	AL
		Output physical quantity index based on number of licensed televisions and on number of hours of local TV content broad- cast	NZ

9214	Dramatic arts, music and	Output volume index	UK
9219	other arts activities;	(current price turnover	
924	other entertainment activ- ities; sporting and other recreational activities	deflated by specific consumer price index or deflated expenditure on sport and entertainment) and output physical quantity index based on number of gaming machines	
9219	Other entertainment	Physical quantity index	FI
924	activities n.e.c.; sporting and other recreational activities	based on numbers of visitors	
9219	Other entertainment activities	Output volume index based on constant price private final consumption expenditure on gambling	AL
		Output physical quantity index based on number of betting tickets issued and number of lotteries	NZ
923	Library, archives, museums and other cultural activities	Composite index of constant price inter- mediate consumption, deflated wage bill and hours worked	AL
93	Other service activities	Output volume index (turnover deflated by specific consumer price index for laundering and dry-cleaning), deflated expenditure on hair- dressing and index number of employees in personal services	UK
		Output volume index	FI
		Physical quantity output index based on number of deaths (for funeral services) on population number (for dry-cleaning), and output volume index based on constant price turnover using appropriate consumer price index (for hairdressing)	AL

5. OTHER METHOD :

A. "CONTROLLED DOUBLE DEFLATION or EXTRAPOLATION/DEFLATION"

(Preliminary estimate of constant price value added is obtained as a residual between constant price gross output and calculated intermediate consumption assuming fixed input coefficients in constant prices. Constant price gross output is obtained either by deflation or extrapolation, as described in column 3)

90	Sewage and refuse disposal, sanitation and similar activities	Wage rate index of salaried employees in manufacturing used to deflate gross output	SE
921(exc 9213) part 93	Motion picture and other entertainment activities; other service activities	Consumer price index for recreational activities and other service activities used to deflate gross output	SE
9213	Radio and television activities	Physical quantity index based on number of TV licences used to extrapolate gross output	SE
part 93	Funeral services	Physical quantity index based on number of deaths used to extrapolate gross output	SE

B. PART DEFLATION, PART EXTRAPOLATION OF VALUE ADDED

921(exc 9211 9212) 93	Radio, television and other entertainment activities; other service activities	Consumer price index (relevant components) used as deflator and average man-years worked used as extrapolator	IC
924	Sporting and other recreational activities	Approximate net price index of expenditure used as deflator and index of average man-years worked used as extrapolator	IC

NON-MARKET SERVICES

1. DOUBLE DEFLATION

(exc part 91 95)	All non-market services (except business associ- ations and labour organisations and private households with employed persons)	Implicit hourly wage price index (by purpose of government consumption expenditure) for wages; Implicit price index of gross fixed capital formation for capital consumption; implicit price index for other taxes linked to prod- uction (constant price taxes are held equal to their base year value)	DE
75 80 85 73 90 91 923 924	Public administration and defence; compulsory social security; education; health and social work; research and development; sewage and refuse disposal, sanitation and similar activities; activities of membership organisations n.e.c.; library, archives, museums and other cultural activities; sporting and other recreational activities;	Input cost index	JA
75	Public administration and defence; compulsory social security	Combined price index for consumption of fixed capital and compensation of employees	NO
80 73 851	Education; research and development; human health activities	Combined input price index for producers of government services	NO
part 91	Activities of membership organisations n.e.c.	Wage index for salary earners in business associations and labour organisations	DE

921	Motion picture, radio,	Consumer price index	JA
95	television and other entertainment activities; private households with employed persons	(for TV licence fee and for domestic help)	

95	Private households with employed persons	Consumer price index	IT
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2. EXTRAPOLATION/DEFLATION

75	Public administration	Index of number of	IT
73	and defence; compulsory social security; research and development	employees (for general public services, foreign affairs, research, recre- ational activities, economic and housing policy administration); index of number of court proceedings (for judicial activities); index of number of employees and resident population (for defence); index of number of employees and of acts performed (for social security), number of inpatients in hospitals and homes for the aged and number of children in creches and orphanages (for social work activ- ities)	

80	Education	Index of number of teachers and pupils by type of course divided by average number of pupils per class (the latter being taken as an indicator of quality)	IT
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8511	Hospital activities	Synthetic index obtained by dividing the average index of number of employees and of in- patients by the average length of hospitalisation (the latter being taken as an indicator of quality)	IT
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8512	Medical and dental	Index of numbers employed	IT
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8519	practice activities; other human health activities		
853	Social work activities	Index of four monthly moving average of number of employees	IT
<u>3. DOUBLE EXTRAPOLATION</u>			
853 91 92	Social work activities; Activities of member- ship activities; recre- ational, cultural and sporting activities	Index of man-hours worked	NO
<u>4. DEFLATION OF VALUE ADDED</u>			
	All non-market services	Wage rate index for compensation of employees and constant price fixed capital consumption calculated in a capital stock model	FI
		Wage rate index for compensation of employees and constant price fixed capital consumption	IC
(exc 853 95)	All non-market services except social work activities and private households with employed persons	Wage rate index	NE
75 80 73 851 852 853 92	Public administration and defence; compulsory social security; education; research and development; veterinary activities; social work activities (government operated) recreational, cultural and sporting activities (government operated)	Wage rate index (compensation of employees deflated by wage indices of special groups of employees) adjusted for labour productivity change and for depreciation	GE
75 80 73 853 90	Public administration and defence; compulsory social security; education; research and development; social work activities;	Wage rate index	BE

92	sewage and refuse disposal, sanitation and similar activities; recreational, cultural and sporting activities		
75(exc 7522/3) 853 90 911	Public administration and defence; compulsory social security; social work activities; sewage and refuse disposal, sanitation and similar activities; activities of business, employers and professional organisations	Standard wage index for government employees	AU
75 73 90	Public administration and defence; compulsory social security; research and development; sewage and refuse disposal, sanitation and similar activities	Wage index of civil servants	FR
part 7513 part 9214 part 924	Regulation of and contribution to more efficient operation of business; dramatic arts, music and other arts activities; sporting and other recreational activities	Average weekly earnings index (for salaries and wages and supplementary labour income), implicit price index of capital stock (for capital consumption)	CA
851 853 73 91 923 924	Human health activities; social work activities; research and development; activities of membership organisations n.e.c.; library, archives, museums and other cultural activities; sporting and other recreational activities; (operated by non-government/non-profit institutions)	Index of average wages and salaries per full time equivalent employee	US
8512	Medical and dental practice activities	Consumer price index dental and health care and constant price capital consumption price index (implicit price index of capital stock used as deflator)	CA

8519 part 853 part 91	Other human health activities; social work activities; activities of member- ship organisations n.e.c.	Wage rate index based on provincial and municipal wages and implicit price index of capital stock used as deflator for capital consumption	CA
853 91(exc 911) 92	Social work activities; activities of membership organisations n.e.c.; recreational, cultural and sporting activities	Wage index	FR
853 part 91	Social work activities activities of member- ship organisations n.e.c.	Wage rate index for all industries	NZ
part 853 part 91	Social work activities; activities of membership organisations n.e.c.	Wage price index partly based on employment index partly based on index of average weekly earnings and implicit price index of capital stock used as deflator for capital consumption	CA
part 91	Activities of member- ship organisations n.e.c.	Wage price index based on average weekly earnings (trade unions and religious organisations), consumer price index of service commodities (political parties) and implicit price index of capital stock used as deflator for capital consumption	CA
911	Activities of business, employers and professional organisations	Consumer price index for services	BE
912 919	Activities of trade unions activities of other member- ship organisations	Private consumption implicit price index	BE
92	Recreational, cultural and sporting activities	Standard wage index and consumer price index	AU
95	Private households with employed persons	Consumer price index Hourly wage rate	US FR

Weighted consumer price index for domestic services, childcare in the house and outside the home	CA
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Consumer price index	NE
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5. EXTRAPOLATION OF VALUE ADDED

	All non market services	Index of numbers employed adjusted for labour productivity change (+0.5%)	LU
(exc 95)	All non market services (except private households with employed persons)	Output volume index (consumer price index used to deflate output)	SW
(exc 91 95)	All non market services (except activities of membership organisations and private households with employed persons)	Index of number of hours worked	SE
75 6411 73 85 90 921 923 924	Public administration and defence; compulsory social security; national post; research and development (government operated); health and social work (government operated); sewage and refuse disposal, sanitation and similar activities; motion picture, radio, television and other entertainment activities; library, archives, museums and other cultural activities; sporting and other recreational activities (government operated)	Index of numbers employed (federal, defence: full time equivalent employment by rank and length of service; federal, non-defence: full time equivalent employment by grade, adjusted for change in hours worked; state and local non-education and education: full time equivalent employment adjusted for change from base year in hours worked)	US
75	Public administration and defence; compulsory social security	Combination of constant price wage bill index(for the armed forces) and index of numbers employed by grade and activity and constant price non trading capital consumption index	UK

part 75	Public administration and defence; compulsory social security (General government)	Weighted index of numbers employed (using base year compensation of employees in each government department as weights)	NZ
	(Local government)	Deflated wage bill index (producer price index of local government services used as deflator)	NZ
751 7521 7522	Administration of the State and the economic and social policy of the community; foreign affairs; defence activities	Index of hours worked	AL
7522 7523 73 851 852 95	Defence activities; public order and safety activities; research and development; human health activities; veterinary activities; private households with employed persons	Index of numbers employed	AU
7522	Defence activities	Weighted index of numbers employed by rank adjusted for labour productivity change (base year salaries and wages used as weights)	CA
part 7523	Public order and safety activities (Fire Service Commission)	Index of number of permanent employees	NZ
part 753	Compulsory social security activities (Accident Compensation Corporation)	Output physical quantity index based on number of claims	NZ
80 851	Education; human health activities	Physical quantity index based on inputs	FR
80	Education	Combination of index of numbers of teachers and constant price non trading capital consumption index	UK
		Index of pupil-weeks taught in different types of institutions	NZ
801 802 803	Primary education secondary education higher education	Index of number of teachers	AU

809	Adult and other education	Output volume index (consumer price index used as output deflator)	AU
851	Human health activities	Constant price wage index	UK
852	veterinary activities	of National Health Service employees, index of number of general practitioners, output volume index of dentists and constant price NHS non trading capital consumption	
851	Human health activities	Weighted physical quantity output index based on number of beds and number of outpatient treatments (weights derived from base year expenditure on each health service provided)	NZ
853	Social work activities;	Index of numbers employed	GE
91	activities of membership		
92	organisations n.e.c.;		
95	recreational, cultural and sporting activities; (operated by private non profit institutions serving households); private households with employed persons		
853	Social work activities;	Combination of index of	UK
90	sewage and refuse disposal	number of local authority	
92	sanitation and similar activities; recreational cultural and sporting activities	employees and constant price local authority capital consumption index	
853	Social work activities	Index of numbers employed adjusted for labour productivity change	NE
91	Activities of membership	Index of average wage	SP
92	organisations n.e.c.;	per employee and index	
	recreational, cultural and sporting activities	of numbers employed	
912	Activities of trade unions	Index of number of	AU
919	activities of other member- ship organisations	members	

95	Private households with employed persons	Index of constant price expenditure on domestic services	UK
		Index of numbers employed	BE,SE
		Index of output per employee	DE
		Index of total employment and average wage index	SP
		Index of deflated wage bill (consumer price index for these activities used as deflator)	SW
		Output volume index (producer price sub-indices used as deflator)	NZ

6. OTHER METHOD :

A. "CONTROLLED DOUBLE DEFLATION or EXTRAPOLATION/DEFLATION

(Preliminary estimate of constant price value added is obtained as a residual between constant price gross output and calculated intermediate consumption assuming fixed input coefficients in constant prices. Constant price gross output is obtained either by deflation or extrapolation, as described in column 3)

91(exc 911)	Activities of trade unions; activities of other membership organisations	Wage rate index of salaried employees in manufacturing used to deflate current value gross output (sum of wages and salaries used as extrapolator to obtain current price gross output)	SE
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B. PART DEFLATION, PART EXTRAPOLATION OF VALUE ADDED

75 80 851 853 90	Public administration and defence; compulsory social security; education; human health activities; social work activities; sewage and refuse disposal, sanitation and similar activities;	Index of deflated wage bill per employee (used to extrapolate compensation of employees) and price index of gross capital formation of government used to deflate capital consumption	SP
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75(exc part 7513 7522)	Public administration compulsory social security	Index of numbers employed (for federal and provincial government operated serv- ices), index of average weekly hours (for municipal government) and implicit price index of capital stock used to deflate capital consumption	CA
part 7513	Regulation of and contribution to more efficient operation of business	Index of numbers employed (for federal and provincial government operated serv- ices), index of average weekly hours (for municipal government) and implicit price index of capital stock used to deflate capital consumption	CA
801 802	Primary education secondary education	Index of number of full time teachers used to extrapolate labour income and implicit price index of capital stock used to deflate capital consumption	CA
803 809	Higher education; adult and other education	Output volume index based on enrollment and implicit price index of capital stock used to deflate capital consumption	CA
8511 921(exc 9214)	Hospital activities; motion picture, radio television and other entertainment activ- ities	Index of numbers employed used to extrapolate labour income and implicit price index of capital stock used to deflate capital consumption	CA

Annex 1

ABBREVIATIONS USED FOR MEMBER COUNTRY NAMES

Abbreviation	Country	Abbreviation	Country
US	United States	FI	Finland
JA	Japan	IC	Iceland
GE	Germany	LU	Luxembourg
FR	France	NE	Netherlands
UK	United Kingdom	NO	Norway
IT	Italy	SP	Spain
CA	Canada	SE	Sweden
AU	Austria	SW	Switzerland
BE	Belgium	AL	Australia
DE	Denmark	NZ	New Zealand

Annex 2

Extract from: United Nations, ISIC Rev. 3, New York, 1990

Tabulation categories	Group	Class	Description
G			
			WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS
	Division 50		SALE, MAINTENANCE AND REPAIR OF MOTOR VEHICLES AND MOTORCYCLES; RETAIL SALE OF AUTOMOTIVE FUEL
	Division 51		WHOLESALE TRADE AND COMMISSION TRADE, EXCEPT OF MOTOR VEHICLES AND MOTORCYCLES
	Division 52		RETAIL TRADE, EXCEPT OF MOTOR VEHICLES AND MOTORCYCLES; REPAIR OF PERSONAL AND HOUSEHOLD GOODS
H			
			HOTELS AND RESTAURANTS
	Division 55		HOTELS AND RESTAURANTS
	551	5510	Hotels; camping sites and other provision of short-stay accommodation
	552	5520	Restaurants, bars and canteens
I			
			TRANSPORT, STORAGE AND COMMUNICATIONS
	Division 60		LAND TRANSPORT; TRANSPORT VIA PIPELINES
	601	6010	Transport via railways
	602		Other land transport
	603	6030	Transport via pipelines
	Division 61		WATER TRANSPORT
	611	6110	Sea and coastal water transport

Tabulation
categories

Group

Class

Description

612 6120 Inland water transport

Division 62 AIR TRANSPORT

Division 63 SUPPORTING AND AUXILIARY TRANSPORT ACTIVITIES;
ACTIVITIES OF TRAVEL AGENCIES

Division 64 POST AND TELECOMMUNICATIONS

641 Post and courier activities

642 6420 Telecommunications

J

FINANCIAL INTERMEDIATION

Division 65 FINANCIAL INTERMEDIATION, EXCEPT INSURANCE AND
PENSION FUNDING

651 Monetary intermediation

659 Other financial intermediation

Division 66 INSURANCE AND PENSION FUNDING, EXCEPT COMPULSORY
SOCIAL SECURITY

6601 Life insurance
6602 Pension funding
6603 Non-life insurance

Division 67 ACTIVITIES AUXILIARY TO FINANCIAL INTERMEDIATION

K

REAL ESTATE, RENTING AND BUSINESS ACTIVITIES

Division 70 REAL ESTATE ACTIVITIES

Division 71 RENTING OF MACHINERY AND EQUIPMENT WITHOUT
OPERATOR AND OF PERSONAL AND HOUSEHOLD GOODS

711 Renting of transport equipment

712 Renting of other machinery and equipment

713 7130 Renting of personal and household goods n.e.c.

Division 72 COMPUTER AND RELATED ACTIVITIES

Division 73 RESEARCH AND DEVELOPMENT

Tabulation categories	Group	Class	Description
	Division 74		OTHER BUSINESS ACTIVITIES
		7411	Legal activities
		7412	Accounting, book-keeping and auditing activities; tax consultancy
		7413	Market research and public opinion polling
		7414	Business and management consultancy activities
	742		Architectural, engineering and other technical activities
	743	7430	Advertising
	749		Business activities n.e.c.
L			PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY
	Division 75		PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY
	751		Administration of the State and the economic and social policy of the community
		7511	General (overall) public service activities
		7512	Regulation of the activities of agencies that provide health care, education, cultural services and other social services, excluding social security
		7513	Regulation of and contribution to more efficient operation of business
		7514	Ancillary service activities for the Government as a whole
	752		Provision of services to the community as a whole
		7521	Foreign affairs
		7522	Defence activities
		7523	Public order and safety activities
	753	7530	Compulsory social security activities
M			EDUCATION
	Division 80		EDUCATION
	801	8010	Primary education

Tabulation categories	Group	Class	Description
	802		Secondary education
	803	8030	Higher education
	809	8090	Adult and other education
N			HEALTH AND SOCIAL WORK
	Division 85		HEALTH AND SOCIAL WORK
	851		Human health activities
	852	8520	Veterinary activities
	853		Social work activities
O			OTHER COMMUNITY, SOCIAL AND PERSONAL SERVICE ACTIVITIES
	Division 90		SEWAGE AND REFUSE DISPOSAL, SANITATION AND SIMILAR ACTIVITIES
	Division 91		ACTIVITIES OF MEMBERSHIP ORGANISATIONS N.E.C.
	911		Activities of business, employers and professional organisations
	912	9120	Activities of trade unions
	919		Activities of other membership organisations
	Division 92		RECREATIONAL, CULTURAL AND SPORTING ACTIVITIES
	921		Motion picture, radio, television and other entertainment activities
		9211	Motion picture and video production and distribution
		9212	Motion picture projection
		9213	Radio and television activities
		9214	Dramatic arts, music and other arts activities
		9219	Other entertainment activities n.e.c.
	922	9220	News agency activities
	923		Library, archives, museums and other cultural activities

Tabulation categories	Group	Class	Description
	924		Sporting and other recreational activities
	Division 93		OTHER SERVICE ACTIVITIES
P			PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS
	Division 95		PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS
Q			EXTRA-TERRITORIAL ORGANISATIONS AND BODIES
	Division 99		EXTRA-TERRITORIAL ORGANISATIONS AND BODIES

Annex 3

QUESTIONS TO COUNTRIES

Page and line numbers refer to the questionnaire responses sent by countries. Item numbers refer to ISIC Rev.3. The Table refers to Part 2 of the document.

UNITED STATES

1. Is it correct that "News agencies" (item 922) are classified with "Computer and related activities" (item 72)?
2. What does the term "revenue" used in "freight revenue tonne-miles" and "revenue passenger-miles" (comments to items 601 and 62) mean? Is it correct to understand that for these activities output is extrapolated by a physical quantity index, as described in the Table?
3. Why are both methods "double deflation" and "extrapolation/deflation" ticked for veterinary activities (page 29, line 852)?
4. Given the classification of veterinary activities and sewage and refuse disposal, sanitation and similar activities in the US SIC, is it appropriate, to refrain from listing them in the Table as separate service activities or should these items be introduced?
5. Is there a difference to be made between an implicit price index and an implicit price deflator, mentioned for instance on page 18?

JAPAN

1. Is it correct to understand that output of non-market recreational, cultural and sporting activities (page 45, line 92) is deflated by the consumer price index for item motion picture, radio, television and other entertainment activities (item 921) and by an input cost index for items library, archives, museums and other cultural activities and sporting and other recreational activities (items 923 and 924)?

GERMANY

1. Are the price indices of post and telecommunication charges referred to as deflators for output of these activities equivalent to the relevant components of the consumer price index?
2. Is it correct that gross output of "sewage and refuse disposal, sanitation and similar activities" is deflated by relevant components of the consumer price index and not by a special price index obtained from intermediate consumption price indices and wage indices (page 39, line 93, column 17 and page 29, line 90, column 18)?
3. Is the description of the special price index given for computer and related activities (item 72) correct?

FRANCE

1. What difference is there between "indice de volume des produits vendus" and indice de volume des ventes?
2. Is the translation given in the Table "volume index of products sold" suitable?
3. Should there be a cross in column 10, page 43 of the questionnaire on lines 853 (Social work activities) and 91 (Activities of membership associations) indicating that value added is deflated by a wage rate index?
4. How is intermediate consumption deflated?
5. Why is a producer price index indicated as deflator for market health services (page 29, line 12) and consumer price indices for its components, human health activities and veterinary activities (page 30, lines 851 and 852)?
6. Is it correct to describe the index used to extrapolate base year value added for non-market education and human health activities as a physical quantity intermediate consumption index (pages 39-41)?
7. If so, what intermediate consumption goods are measured in physical quantities?
8. Is it correct to assume that the method "deflation of value added by a wage index (page 43, column 10) should be ticked for items social work activities and activities of membership organisations (items 853, 91 excluding 911)?

UNITED KINGDOM

1. Is the description in the Table of the indices used to extrapolate value added for owning and dealing in real estate correct?
2. Is it correct to read "employees" rather than "employers" (page 18, column 18, last line)?
3. Is the description of the method used to obtain constant price value added for public administration and defence, compulsory social security correct, i.e. combination of constant price wage bill index (for the Armed Forces, index of numbers employed by grade and activity and constant price index of non trading capital consumption?
4. Is it correct to assume that value added for private households with employed persons is extrapolated using an index of constant price expenditure on domestic services (pages 47-48, line 95)?

ITALY

1. Concerning comments provided on page 16, column 18, line 659, for deflation of imputed bank services, what precisely does "l'incidenza del margina di interessa sulla massa intermediata" mean?
2. How is the "massa intermediata" concerning financial intermediation calculated (page 16, line 659)?
3. How is the price index used for deflating imputed bank services calculated (page 16, column 18, line 659)? Would you please give a simple formula?
4. Is the description of the implicit price index used for deflating output of other real estate activities (part of item 70) given in the Table correct?

CANADA

1. Code numbers 4590 quoted in column 17 of the questionnaire relating to item 52, 996 and 9991 to item 63, 9172 to item 71, 9260 to item 93, 8533 to item 853 are not mentioned in ISIC Rev.3. To which ISIC sub-items do they refer?
2. The method ticked to obtain value added at constant prices for life insurance and accidental sickness (page 15, line 6601, col.3) is double deflation, yet output is said to be extrapolated by a volume index. Why is this method not considered as extrapolation/deflation (col.5)?
3. Is it correct to classify methods used to obtain constant price value added for non-market services under "other method: part deflation, part extrapolation of value added" (items 75, 80, 8511, 921) in the Table?
4. Is the description of the indices used for these items correct?

AUSTRIA

1. The method ticked for transport via railways, land passenger and freight transport, inland water transport and air transport is double extrapolation and the index used is energy price index or CPI. How should this procedure be understood?
2. Constant price value added of rail and air transport of passengers and of freight separately is reported to be obtained by extrapolation of base year value added using a physical quantity index. How does this comply with double extrapolation used for the items as a whole?
3. Constant price value added for items other insurance (6606-6603), activities auxiliary to financial intermediation (67), other real estate (part 70), adult and other education (809), human health (851), sewage and refuse disposal (90), radio and television (9213), dramatic

arts (9214), other entertainment activities is obtained by extrapolation of base year value added by an output volume index and the index used is the CPI. Is it correct to understand that current price gross output is first deflated by CPI to derive output volume indices used to extrapolate value added?

4. Does the remark "not relevant" relating to sea transport, market primary, secondary and higher education, market library, archives, museums and other cultural activities, and non-market motion picture, radio, television and other entertainment activities indicate that these activities do not exist in Austria, or are of negligible importance?
5. How should the indication "included in ISIC 3" relating to news agency activities (item 922) be interpreted?
6. How is the price index used to deflate output of owner occupied dwellings obtained?

BELGIUM

1. Is the description of the method and the indices used to derive constant price value added for wholesale and retail trade, repair of motor vehicles and motorcycles and of personal and household goods (items 50, 51, 52) correct in the Table?
2. Is the description of the index used for extrapolating value added of rail transport (item 601) correct in the Table?
3. Is it correct to understand from the comment on page 42, line 851 of the questionnaire that there are no non-market health services in Belgium?
4. Is it correct to describe the method used to obtain constant price value added for owner occupied dwellings as an extrapolation of base year value added (page 18)?

DENMARK

1. Is it correct that rentals of transport equipment (item 711) are included in transport and storage (items 60-62) in the Danish classification?
2. Is it correct that rentals of personal and household goods (item 713) are included in retail trade (item 52) in the Danish classification?
3. Is the description of the indices used to obtain constant price value added for non market services correct?
4. Is it correct to understand that value added for domestic services is obtained by extrapolation?

FINLAND

1. What is the difference between "Order transport" and "Route transport" quoted on page 7, for other land freight transport?
2. Would you please explain what "the interest spread" mentioned as a component of the price deflator of the interest margin (page 16, line 651) refers to?
3. Is it correct to understand that wage rates are deflated by relevant components of the consumer price index and of the wholesale price index to then serve as extrapolator for base year output of compulsory insurance services (page 16, line 6601)?
4. What does the activity "attending" mentioned under other real estate activities (page 19) cover?
5. Is it correct to understand that the method used to obtain constant price value added for real estate activities is double deflation (no column is ticked on page 17)?
6. Would you please explain what the indication "reflated with CPI for rented dwellings" means (page 18)?
7. What stock is used to extrapolate gross output of other real estate activities (page 20)?
8. Is it correct to assume that the method used for renting of transport equipment (page 19, line 711) is direct deflation of value added by relevant components of the consumer price index (i.e. the consumer price index for the use of cars)?
9. Is it correct to describe the index used to extrapolate base year value added for sporting and other recreational activities as an output physical quantity index rather than an output volume index (pages 35-36, line 924)?
10. Does the method used to obtain constant price value added for non-market services also apply to private households with employed persons (page 36, line L)?

LUXEMBOURG

1. Why is only column 7 ticked for transport and storage (page 3, line I) when columns 7 and 8 are alternatively ticked for sub-items in the questionnaire?
2. Why are two methods ticked to obtain value added at constant prices for monetary intermediation and other financial intermediation (page 15, lines 651 and 659, columns 5 and 7), namely extrapolation/deflation and extrapolation of base year value added by an output volume index? Is it that one or the other are applied to different components of each item?

3. Is the description of the method used to extrapolate value added for health services correct, i.e. the output volume index is obtained by deflation of current price output using the consumer price index for medical services and hospitals?
4. Is it correct to assume that base year value added is deflated by the consumer price index for ISIC item 921 and sub-items (motion picture, radio, television and other entertainment activities (col.6, page 31 should be ticked))?
5. Does the method used to obtain constant price value added for non-market services also apply to private households with employed persons (page 36, line L)?

ICELAND

1. Does the method used to obtain constant price value added for non-market services also apply to private households with employed persons (page 36, line L)?
2. Is it correct that constant price value added for non-market services is obtained by deflation using a wage rate index for compensation of employees rather than by extrapolation (pages 35-36, line L)?

NETHERLANDS

1. Double deflation is indicated as method used to obtain value added at constant prices for post and telecommunications (item 64), yet for output, volume indices are said to be used. How should this be interpreted?
2. To obtain value added at constant prices for financial intermediation column 16 "other method" is ticked (page 13, line J). Is it correct to describe the method as deflation of value added by a weighted composite price index of components of value added?
3. Is it correct that value added for computer and related activities and research and development (items 72 and 73, page 21) is deflated by a wage rate index (and not an intermediate consumption price index)?
4. Is it correct to understand that constant price value added for private households with employed persons is obtained by deflation of current price value added using the consumer price index?

NORWAY

1. Is it correct to understand that for financial intermediation (page 15) output is extrapolated by an index of man-hours worked, except for motor vehicle insurance where output is deflated by the relevant component of the consumer price index?
2. If so, how should the indication "CPI (gross rents) for commercial buildings rents" (page 16) be understood?

3. Is the description of the methods used to obtain value added for human health activities correct?
4. Is there a difference between a wage price index and a wage rate index used for instance to describe the index applied to deflate value added for sewage and refuse disposal (page 29, line 90)?

SPAIN

1. Two methods are indicated to obtain value added at constant prices for post and telecommunication (page 13, lines 641 and 642, columns 3 and 7): double deflation and extrapolation of value added. How is this to be interpreted?
2. For what are the three price indices, i.e. the consumer price index for services, producer price indices and post and telephone tariffs indicated for post and telecommunications (page 14, lines 641 and 542) used?
3. Are activities auxiliary to financial intermediation (item 67) included in financial intermediation and insurance (ISIC items 65 and 66)?
4. Would you please explain the difference between the indices used to extrapolate value added for renting of equipment without operator and of personal and household goods, computer and related activities and other business services (items 71, 72 and part of 74) on the one hand, and research and development (item 73) on the other hand (pages 20 and 22, column 18)?

SWEDEN

1. What do the crosses in between brackets for items Transport via railways (601), sea transport (611), air transport (62), other service activities (93) mean?
2. Is the interpretation relating to item 63 "Supporting and auxiliary transport activities" in the Table correct?
3. Are activities auxiliary to financial intermediation (item 67) included in financial intermediation and insurance (ISIC items 65 and 66)?
4. Is it correct to understand that value added for the activities classified under "other methods" in the questionnaire is not deflated or extrapolated directly and therefore none of the methods identified in the questionnaire are suitable to describe the method used in Sweden?
5. If so, is the explanation given for the derivation of value added under "other methods: controlled double deflation or extrapolation/deflation" correct?

SWITZERLAND

1. Is the interpretation of the method used for extrapolating value added for transport and storage in the Table correct?
2. Is the description of the index used to extrapolate value added for non-market services correct, i.e. an output volume index obtained by deflating current price output with the consumer price index?

AUSTRALIA

1. How should the questionnaire response to item 612 "Inland water transport" be understood (612 is said to be included with 611, yet different methods are ticked for each item)?
2. Is the index used to extrapolate base year value added for education, human health activities, library, archives, museums and other cultural activities (items M, 851, 923) correctly described?

NEW ZEALAND

1. What does "number of revenue tonne-kilometres" (quoted page 5, line 601) for passenger and freight transport via railways mean?
2. What does "own account capital formation" included in telecommunications correspond to (page 13, line 642)?
3. Is it correct to classify the method used to derive constant price value added for market educational services as an extrapolation of base year value added (25-26)?
4. Business, trade and professional organisations are reported under market services in the questionnaire response (page 35, line 924). Is it appropriate to classify this item with market services in the Table, under "activities of business, employers' and professional organisations", item 911?
5. Research and scientific institutes are reported separately on page 35, line 93 of the questionnaire. Is it appropriate to classify this item with market services in the Table, under item 73 "research and development"?
6. Is it correct to understand that value added for non-market educational services is extrapolated with an index of pupil-weeks taught (page 39, line M), and therefore obtained differently from public administration and defence (page 35, line L)?
7. Is it correct to understand that value added for private households with employed persons (page 47, line 95) is extrapolated using an output volume index as for repairs and personal services (page 29, line 90)?
8. Is it correct to classify "Accident Compensation Corporation" (page 43, line 90) as part of compulsory social security (item 753)?

9. Is it correct to classify "Fire Service Commission" (page 43, line 91) as part of public order and safety (item 7523)?
10. Is it correct to consider "Other non public accounts" (page 54, line 911) as non profit institutions serving households and to classify them as part of activities of membership organisations (item 91)?