



PRODUCER PRICE INDICES FOR SERVICES: 4th Quarter 2022

The Hellenic Statistical Authority (ELSTAT) announces the evolution of the Producer Price Indices for Services (SPPI), with base year 2015=100.0 and reference period the 4th quarter 2022, according to provisional data, as follows:

Service categories (statistical classification NACE Rev. 2)	Annual rates of change (%)
• Freight transport services by road and removal services (group 494)	11.4
• Sea and coastal passenger and freight water transport services (groups 501_502)	16.5
• Air transport services (division 51)	26.8
• Warehousing and storage services (class 5210)	10.0
• Cargo handling services (class 5224)	9.9
• Postal and courier services (division 53)	2.0
• Telecommunications services (division 61)	0.3
• Information technology services (division 62)	1.0
• Information services (division 63)	0.0
• Legal services (group 691)	0.0
• Accounting, bookkeeping and auditing services; tax consulting services (group 692)	-0.5
• Management consulting services (group 702)	-1.1
• Architectural and engineering services and related technical consulting services (group 711)	1.4
• Technical testing and analysis services (group 712)	1.7
• Services provided by advertising agencies (class 7311)	-4.1
• Media representation services (class 7312)	1.3
• Market research and public opinion polling services (group 732)	9.6
• Employment services (division 78)	0.8
• Security and investigation services (division 80)	2.6
• Cleaning services (group 812)	3.1

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More specifically, the evolution of the Producer Price Indices for Services is depicted in the following tables and graphs.

- Table 1 shows the above-mentioned indices for the 4th quarter of the years 2022, 2021 and 2020 and the respective annual rates of change.
- Table 2 shows the above-mentioned indices and their quarterly rates of change for the 4th quarter of 2022, compared with the 3rd quarter of 2022, and for the 4th quarter of 2021 compared with the 3rd quarter of 2021.
- Table 3 and the corresponding graphs show the above-mentioned indices per quarter for the period 2018-2022.

The data are provisional when first released and published as final in the next quarter.

On ELSTAT's website and in particular at the link:

<http://www.statistics.gr/en/statistics/-/publication/DKT59/>, methodological information of the SPPI is available, as well as the timeseries of the indices.

Table 1. Annual rates of change of the Producer Price Indices for Services
Base year: 2015=100.0

Codes	Services categories	4 th quarter			Annual rates of change (%)	
		2022	2021	2020	2022/2021	2021/2020
494	Freight transport services by road and removal services	117.6	105.5	101.0	11.4	4.4
50 (501_502)	Sea and coastal passenger and freight water transport services	123.9	106.3	106.0	16.5	0.3
51	Air transport services	125.1	98.7	104.7	26.8	-5.7
5210	Warehousing and storage services	124.2	112.9	112.0	10.0	0.8
5224	Cargo handling services	120.3	109.4	108.5	9.9	0.9
53	Postal and courier services	122.0	119.7	118.2	2.0	1.3
531	Postal services under universal service obligation	142.3	142.3	142.3	0.0	0.0
532	Other postal and courier services	111.8	106.8	103.6	4.7	3.0
61	Telecommunications services	135.6	135.2	134.9	0.3	0.3
62	Information technology services	100.9	99.9	101.1	1.0	-1.2
63	Information services	96.7	96.7	97.5	0.0	-0.9
69	Legal and accounting services	105.5	105.7	100.0	-0.2	5.8
691	Legal services	102.8	102.8	101.9	0.0	0.9
692	Accounting, bookkeeping and auditing services; tax consulting services	108.1	108.7	98.1	-0.5	10.8
702	Management consulting services	107.2	108.5	103.8	-1.1	4.5
(69_702)	Legal, accounting and management consultancy activities	106.3	107.0	101.7	-0.7	5.2
71 (711_712)	Architectural and engineering services; technical testing and analysis services	99.1	97.8*	91.2	1.4	7.2
711	Architectural and engineering services, related technical consulting services	98.9	97.6*	90.2	1.4	8.1
712	Technical testing and analysis services	101.0	99.4	99.4	1.7	0.0
73 (731_732)	Advertising and market research services	101.4	103.1	102.0	-1.7	1.2
731	Advertising services	100.7	103.9	102.5	-3.0	1.3
7311	Services provided by advertising agencies	95.1	99.1	99.1	-4.1	0.0
7312	Media representation services	130.8	129.2	120.8	1.3	6.9
732	Market research and public opinion services	106.9	97.5	97.5	9.6	0.0
78	Employment services	96.9	96.1	95.7	0.8	0.5
80	Security and investigation services	107.4	104.7	104.7	2.6	0.0
812	Cleaning services	99.6	96.6	96.6	3.1	0.0

Note: The indices and the percentage changes are published rounded up to one decimal digit.

*Revised data due to the incorporation of new prices.

Table 2. Quarterly rates of change of the Producer Price Indices for Services

Base year: 2015=100.0

Codes	Services categories	2022		Rates of change (%)	2021		Rates of change (%)
		Q4	Q3		Q4	Q3	
494	Freight transport services by road and removal services	117.6	117.5	0.1	105.5	103.7	1.8
50 (501_502)	Sea and coastal passenger and freight water transport services	123.9	129.7	-4.5	106.3	109.5	-2.9
51	Air transport services	125.1	156.0	-19.8	98.7	122.5	-19.4
5210	Warehousing and storage services	124.2	120.9	2.8	112.9	111.2	1.5
5224	Cargo handling services	120.3	119.9	0.3	109.4	109.3	0.1
53	Postal and courier services	122.0	122.1	-0.1	119.7	119.5	0.2
531	Postal services under universal service obligation	142.3	142.3	0.0	142.3	142.3	0.0
532	Other postal and courier services	111.8	112.2	-0.3	106.8	106.4	0.4
61	Telecommunications services	135.6	135.2	0.3	135.2	135.2	0.0
62	Information technology services	100.9	100.4	0.5	99.9	100.0	-0.1
63	Information services	96.7	96.7	0.0	96.7	96.7	0.0
69	Legal and accounting services	105.5	105.2	0.2	105.7	105.7	0.0
691	Legal services	102.8	102.8	0.0	102.8	102.8	0.0
692	Accounting, bookkeeping and auditing services; tax consulting services	108.1	107.7	0.4	108.7	108.7	0.0
702	Management consulting services	107.2	106.7	0.5	108.5	109.1	-0.5
(69_702)	Legal, accounting and management consultancy activities	106.3	105.9	0.4	107.0	107.2	-0.3
71 (711_712)	Architectural and engineering services; technical testing and analysis services	99.1	95.2*	4.1	97.8*	89.5	9.2
711	Architectural and engineering services, related technical consulting services	98.9	94.5*	4.6	97.6*	88.3	10.5
712	Technical testing and analysis services	101.0	100.9	0.1	99.4	99.4	0.0
73 (731_732)	Advertising and market research services	101.4	96.0	5.7	103.1	98.4	4.8
731	Advertising services	100.7	95.3	5.7	103.9	98.5	5.4
7311	Services provided by advertising agencies	95.1	95.1	0.0	99.1	99.1	0.0
7312	Media representation services	130.8	96.2	35.9	129.2	95.5	35.3
732	Market research and public opinion services	106.9	101.4	5.4	97.5	97.5	0.0
78	Employment services	96.9	96.9	0.0	96.1	96.1	0.0
80	Security and investigation services	107.4	107.4	0.0	104.7	104.7	0.0
812	Cleaning services	99.6	99.2	0.4	96.6	96.6	0.0

Note: The indices and the percentage changes are published rounded up to one decimal digit.

*Revised data due to the incorporation of new prices.

Table 3. Producer Price Indices for Services, 2018 - 2022

Base year: 2015=100.0

Codes	Services categories	2018				
		Q1	Q2	Q3	Q4	Annual Average
494	Freight transport services by road and removal services	100.2	100.6	100.7	100.9	100.6
50 (501_502)	Sea and coastal passenger and freight water transport services	97.7	102.8	107.1	104.2	102.9
51	Air transport services	83.5	97.9	112.0	89.6	95.7
5210	Warehousing and storage services	103.0	107.2	107.2	107.2	106.1
5224	Cargo handling services	101.9	106.3	106.3	106.3	105.2
53	Postal and courier services	98.2	99.1	99.2	99.3	98.9
531	Postal services under universal service obligation	97.2	96.7	96.7	96.7	96.8
532	Other postal and courier services	99.7	100.0	100.3	100.4	100.1
61	Telecommunications services	133.0	131.2	134.6	134.7	133.4
62	Information technology services	101.9	101.4	101.5	101.5	101.6
63	Information services	97.2	97.6	97.9	97.9	97.7
69	Legal and accounting services	99.2	99.1	98.4	98.8	98.9
691	Legal services	101.9	101.9	101.9	101.9	101.9
692	Accounting, bookkeeping and auditing services; tax consulting services	97.0	96.3	94.9	95.8	96.0
702	Management consulting services	112.3	109.9	107.7	108.2	109.5
(69_702)	Legal, accounting and management consultancy activities	104.5	104.0	102.6	103.1	103.6
71 (711_712)	Architectural and engineering services; technical testing and analysis services	99.0	98.3	97.8	97.7	98.2
711	Architectural and engineering services, related technical consulting services	98.3	98.1	97.5	97.4	97.8
712	Technical testing and analysis services	100.3	99.9	99.9	99.9	100.0
73 (731_732)	Advertising and market research services	98.6	97.9	96.0	97.7	97.5
731	Advertising services	98.6	97.8	95.7	97.8	97.5
7311	Services provided by advertising agencies	98.8	98.6	98.6	98.6	98.6
7312	Media representation services	97.4	93.5	80.5	93.6	91.2
732	Market research and public opinion services	98.4	98.7	98.5	96.6	98.1
78	Employment services	92.5	94.0	92.9	93.3	93.2
80	Security and investigation services	103.2	102.9	102.9	102.9	103.0
812	Cleaning services	95.1	95.4	95.3	95.3	95.3

Note: The indices are published rounded up to one decimal digit.

Table 3. Producer Price Indices for Services, 2018 - 2022 (continued)

Base year: 2015=100.0

Codes	Services categories	2019				
		Q1	Q2	Q3	Q4	Annual Average
494	Freight transport services by road and removal services	101.1	101.1	101.1	101.2	101.1
50 (501_502)	Sea and coastal passenger and freight water transport services	100.2	104.8	108.4	104.0	104.4
51	Air transport services	81.9	107.6	123.0	98.8	102.9
5210	Warehousing and storage services	107.2	108.2	108.2	108.2	107.9
5224	Cargo handling services	106.4	107.4	109.3	109.3	108.1
53	Postal and courier services	99.6	99.7	99.7	99.7	99.7
531	Postal services under universal service obligation	96.7	96.7	96.7	96.7	96.7
532	Other postal and courier services	100.9	101.3	101.3	101.3	101.2
61	Telecommunications services	134.6	135.9	135.3	135.4	135.3
62	Information technology services	102.0	101.3	100.7	101.4	101.3
63	Information services	97.3	97.3	95.5	95.6	96.4
69	Legal and accounting services	99.3	99.3	99.3	99.3	99.3
691	Legal services	101.9	101.8	101.9	101.9	101.8
692	Accounting, bookkeeping and auditing services; tax consulting services	96.8	96.8	96.7	96.7	96.7
702	Management consulting services	112.1	113.6	109.4	109.8	111.2
(69_702)	Legal, accounting and management consultancy activities	105.1	105.8	103.9	104.1	104.7
71 (711_712)	Architectural and engineering services; technical testing and analysis services	95.8	97.3	96.8	96.3	96.5
711	Architectural and engineering services, related technical consulting services	95.2	96.9	96.4	95.8	96.1
712	Technical testing and analysis services	100.1	100.1	100.1	100.1	100.1
73 (731_732)	Advertising and market research services	98.7	98.7	96.6	98.8	98.2
731	Advertising services	98.7	98.7	96.3	98.8	98.1
7311	Services provided by advertising agencies	98.7	98.7	98.7	98.7	98.7
7312	Media representation services	98.7	98.8	83.6	99.1	95.0
732	Market research and public opinion services	98.6	98.6	98.6	99.0	98.7
78	Employment services	94.6	95.7	95.7	95.7	95.4
80	Security and investigation services	104.9	104.9	104.9	104.9	104.9
812	Cleaning services	96.6	96.6	96.6	96.6	96.6

Note: The indices are published rounded up to one decimal digit.

Table 3. Producer Price Indices for Services, 2018 - 2022 (continued)

Base year: 2015=100.0

Codes	Services categories	2020				
		Q1	Q2	Q3	Q4	Annual Average
494	Freight transport services by road and removal services	101.3	101.2	100.7	101.0	101.1
50 (501_502)	Sea and coastal passenger and freight water transport services	102.0	105.1	109.3	106.0	105.6
51	Air transport services	82.6	107.7	108.2	104.7	100.8
5210	Warehousing and storage services	107.4	107.1	107.1	112.0	108.4
5224	Cargo handling services	108.8	108.9	108.8	108.5	108.7
53	Postal and courier services	107.9	117.9	118.1	118.2	115.5
531	Postal services under universal service obligation	114.5	142.3	142.3	142.3	135.4
532	Other postal and courier services	105.0	103.0	103.4	103.6	103.8
61	Telecommunications services	135.2	135.2	134.8	134.9	135.0
62	Information technology services	103.4	101.0	101.1	101.1	101.7
63	Information services	98.3	98.3	97.5	97.5	97.9
69	Legal and accounting services	99.0	100.0	99.3	100.0	99.6
691	Legal services	101.9	101.9	101.9	101.9	101.9
692	Accounting, bookkeeping and auditing services; tax consulting services	96.2	98.1	96.8	98.1	97.3
702	Management consulting services	111.1	108.6	103.1	103.8	106.7
(69_702)	Legal, accounting and management consultancy activities	104.5	103.9	101.1	101.7	102.8
71 (711_712)	Architectural and engineering services; technical testing and analysis services	94.0	93.0	91.2	91.2	92.4
711	Architectural and engineering services, related technical consulting services	93.2	92.2	90.2	90.2	91.5
712	Technical testing and analysis services	99.9	99.7	99.4	99.4	99.6
73 (731_732)	Advertising and market research services	99.2	98.9	97.6	101.9	99.4
731	Advertising services	99.3	99.0	97.6	102.4	99.6
7311	Services provided by advertising agencies	99.2	99.2	99.2	99.1	99.2
7312	Media representation services	99.8	98.0	89.1	119.9	101.7
732	Market research and public opinion services	97.8	97.5	97.5	97.5	97.6
78	Employment services	95.7	95.7	95.7	95.7	95.7
80	Security and investigation services	104.9	104.7	104.7	104.7	104.7
812	Cleaning services	96.6	96.6	96.6	96.6	96.6

Note: The indices are published rounded up to one decimal digit.

Table 3. Producer Price Indices for Services, 2018 - 2022 (continued)

Base year: 2015=100.0

Codes	Services categories	2021				
		Q1	Q2	Q3	Q4	Annual Average
494	Freight transport services by road and removal services	101.1	102.5	103.7	105.5	103.2
50 (501_502)	Sea and coastal passenger and freight water transport services	100.2	104.5	109.5	106.3	105.1
51	Air transport services	101.8	120.5	122.5	98.7	110.9
5210	Warehousing and storage services	111.1	111.2	111.2	112.9	111.6
5224	Cargo handling services	109.1	108.9	109.3	109.4	109.2
53	Postal and courier services	119.0	119.3	119.5	119.7	119.4
531	Postal services under universal service obligation	142.3	142.3	142.3	142.3	142.3
532	Other postal and courier services	105.4	106.0	106.4	106.8	106.1
61	Telecommunications services	134.5	135.0	135.2	135.2	135.0
62	Information technology services	100.8	99.8	100.0	99.9	100.1
63	Information services	97.3	97.3	96.7	96.7	97.0
69	Legal and accounting services	105.7	105.7	105.7	105.7	105.7
691	Legal services	102.8	102.8	102.8	102.8	102.8
692	Accounting, bookkeeping and auditing services; tax consulting services	108.6	108.7	108.7	108.7	108.7
702	Management consulting services	105.4	105.5	109.1	108.5	107.1
(69_702)	Legal, accounting and management consultancy activities	105.6	105.6	107.2	107.0	106.4
71 (711_712)	Architectural and engineering services; technical testing and analysis services	91.1	90.5	89.5	97.8*	92.2*
711	Architectural and engineering services, related technical consulting services	90.0	89.4	88.3	97.6*	91.3*
712	Technical testing and analysis services	99.4	99.4	99.4	99.4	99.4
73 (731_732)	Advertising and market research services	98.6	102.3	96.7	103.0	100.1
731	Advertising services	98.7	102.9	96.6	103.7	100.5
7311	Services provided by advertising agencies	99.2	99.2	99.1	99.1	99.2
7312	Media representation services	96.0	122.3	83.2	128.2	107.4
732	Market research and public opinion services	97.5	97.5	97.5	97.5	97.5
78	Employment services	96.5	96.5	96.1	96.1	96.3
80	Security and investigation services	104.7	104.7	104.7	104.7	104.7
812	Cleaning services	96.6	96.6	96.6	96.6	96.6

Note: The indices are published rounded up to one decimal digit.

*Revised data due to the incorporation of new prices.

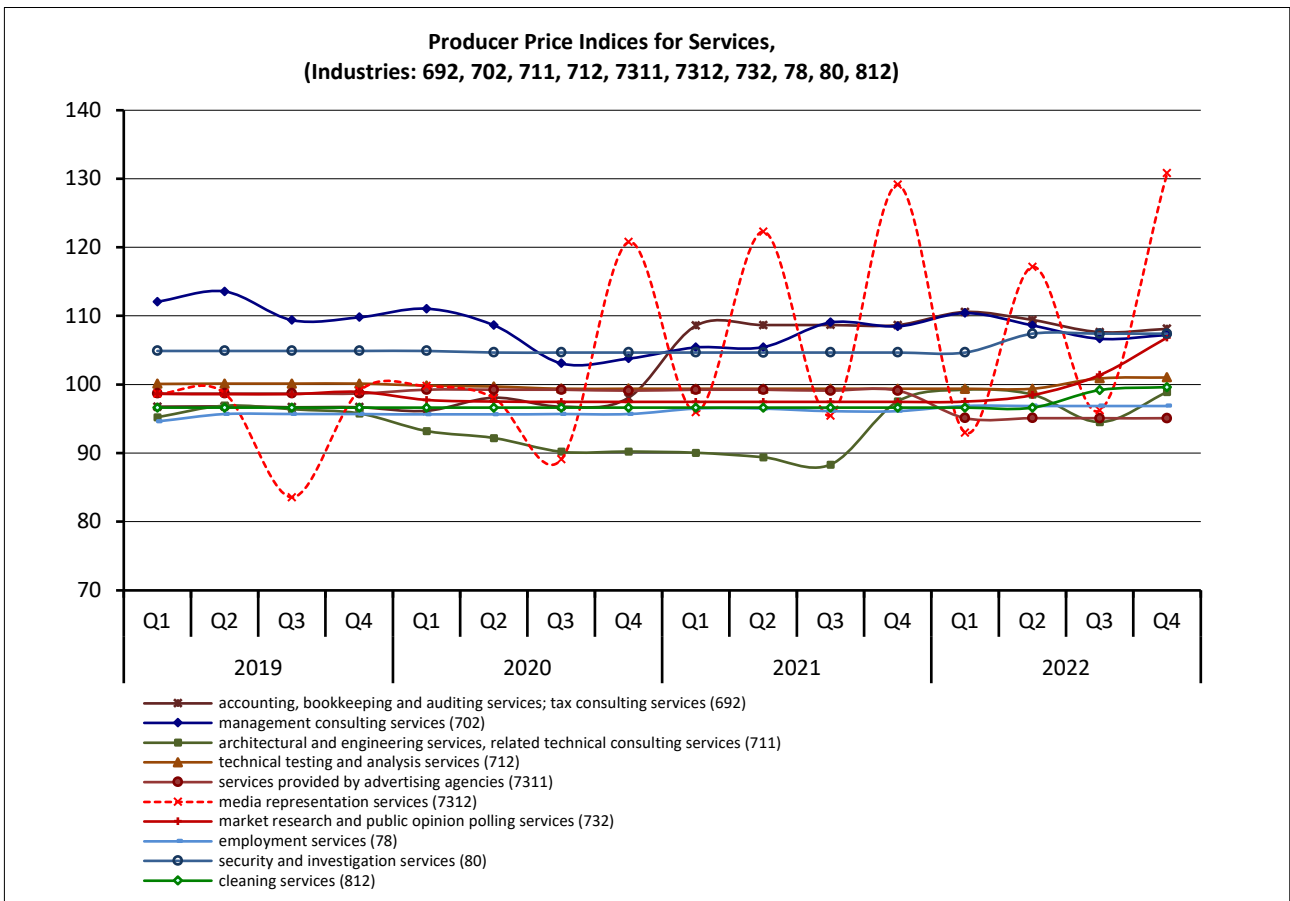
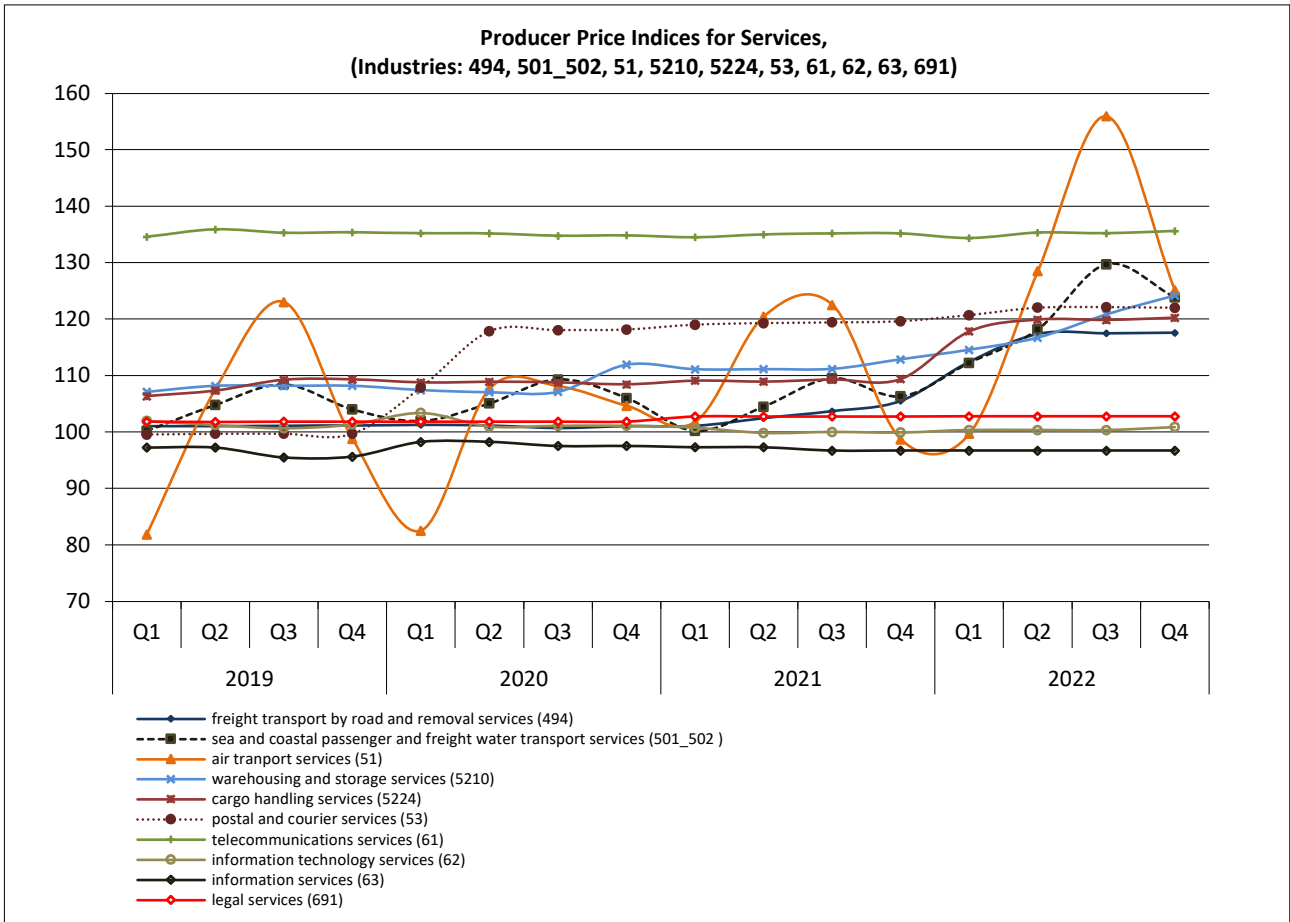
Table 3. Producer Price Indices for Services, 2018 - 2022 (continued)

		Base year: 2015=100.0				
Codes	Services categories	2022				
		Q1	Q2	Q3	Q4	Annual Average
494	Freight transport services by road and removal services	112.5	117.4	117.5	117.6	116.2
50 (501_502)	Sea and coastal passenger and freight water transport services	112.3	118.2	129.7	123.9	121.0
51	Air transport services	99.7	128.5	156.0	125.1	127.3
5210	Warehousing and storage services	114.6	116.7	120.9	124.2	119.1
5224	Cargo handling services	117.9	119.9	119.9	120.3	119.5
53	Postal and courier services	120.7	122.1	122.1	122.0	121.7
531	Postal services under universal service obligation	142.3	142.3	142.3	142.3	142.3
532	Other postal and courier services	109.0	112.1	112.2	111.8	111.3
61	Telecommunications services	134.4	135.3	135.2	135.6	135.1
62	Information technology services	100.4	100.4	100.4	100.9	100.5
63	Information services	96.7	96.7	96.7	96.7	96.7
69	Legal and accounting services	106.7	106.1	105.2	105.5	105.9
691	Legal services	102.8	102.8	102.8	102.8	102.8
692	Accounting, bookkeeping and auditing services; tax consulting services	110.6	109.4	107.7	108.1	109.0
702	Management consulting services	110.4	108.6	106.7	107.2	108.2
(69_702)	Legal, accounting and management consultancy activities	108.4	107.3	105.9	106.3	107.0
71 (711_712)	Architectural and engineering services; technical testing and analysis services	99.3*	98.6*	95.2*	99.1	98.1
711	Architectural and engineering services, related technical consulting services	99.3*	98.5*	94.5*	98.9	97.8
712	Technical testing and analysis services	99.4	99.4	100.9	101.0	100.2
73 (731_732)	Advertising and market research services	95.1	98.6	96.0	101.4	97.8
731	Advertising services	94.8	98.6	95.3	100.7	97.3
7311	Services provided by advertising agencies	95.1	95.1	95.1	95.1	95.1
7312	Media representation services	93.0	117.2	96.2	130.8	109.3
732	Market research and public opinion services	97.5	98.5	101.4	106.9	101.1
78	Employment services	96.9	96.9	96.9	96.9	96.9
80	Security and investigation services	104.7	107.4	107.4	107.4	106.7
812	Cleaning services	96.6	96.6	99.2	99.6	98.0

Note: The indices are published rounded up to one decimal digit.

*Revised data due to the incorporation of new prices.

**Quarterly Evolution of Producer Price Indices for Services
(2015=100.0)**



METHODOLOGICAL NOTES

Producer Price Indices for Services The producer price indices for services (SPPI) are quarterly indices which were first released in 2006, with base year (b.y.) the year 2006=100.0, then were revised with base year 2010=100.0, while the recent revision was with base year 2015=100.0.

Purpose of the indices The purpose of these indices is to measure the quarterly rates of change in the producer prices of services and to record the prices evolution that reflect the supply and demand conditions in the services markets, for the analysis of the real changes in the economy and for monitoring inflationary pressures.

Definitions The producer price indices for services are output price indices for the service production of resident producers. The SPPI cover services provided in the market for all uses, that is intermediate consumption, final consumption and exports. The SPPI refer to the overall index (Business to All), without differing significantly from the intermediate consumption for the branches of services where the production is mainly directed to other production units (Business to Business). Exception case: the two indices for postal and courier services, that are compiled as overall indices and also as partial indices for enterprises (Business to Business) and for consumers (Business to Consumer).

For the compilation of SPPI the recorded transactions are those that reflect the prices received by the producers for services actually sold to purchasers, including discounts, rebates or other charges. The collected prices are the basic prices for services sold. i.e. prices excluding VAT and other similar deductible taxes directly linked to turnover and also excluding all other taxes on products but including any subsidies on products.

Legal framework The producer price indices for services are compiled in compliance with the Council Regulation (EC) No.1165/98 of 19th May 1998 concerning "Short Term Statistics", as it was amended by the Regulation No.1158/05 of the European Parliament and of the Council. Additionally, the above-mentioned indices are compiled in compliance with the Regulation (EC) No.1893/2006 of the European Parliament and of the Council of 20th December 2006, establishing the statistical classification of economic activities NACE Rev.2, as well as Regulation (EU) No. 2152/2019 and Implementing Regulation (EU) No. 2020/1197 of the Commission.

Reference period Quarter.

Base year 2015=100.0.

Revision The producer price indices for services are fixed base indices. Pursuant to the provisions of Council Regulation No.1165/98 concerning short-term statistics, the indices are updated every five (5) years, with base years ending in 0 or 5.

Statistical classifications At the level of categories of economic activities the statistical classification NACE Rev. 2 was used (Regulation No.1893/2006), while at the services level the classification CPA 2008 was used according to the Council Regulation No.451/2008.

Geographical coverage The indices cover the whole country.

Coverage of economic activities SPPI are compiled in the following services of the H, J, M, N sections of economic activities, of the NACE Rev.2 statistical classification:

- Freight transport services by road and removal services (group 494)
- Sea and coastal passenger and freight water transport services (groups 501_502)
- Scheduled air transport services (division 51)
- Warehousing and storage services (class 5210)
- Cargo handling services (class 5224)
- Postal and courier services (division 53)
- Telecommunications services (division 61)
- Computer programming, consultancy and related services (division 62)

- Information service on computers and related services (division 63)
- Legal services (group 691)
- Accounting, bookkeeping and auditing services; tax consulting services (group 692)
- Management consulting services (group 702)
- Architectural and engineering services, related technical consulting services (group 711)
- Technical testing and analysis services (group 712)
- Services provided by advertising agencies (class 7311)
- Media representation services (class 7312)
- Market research and public opinion polling services (group 732)
- Employment services (division 78)
- Security and investigation services (division 80)
- Cleaning services (group 812)

Statistical survey The data are collected from 362 enterprises, while the total number of observations (prices) is approximately 2,500.

**Publication of data-
References** The data of SPPI with base year 2015=100.0 are released since December 2018, with the 3rd quarter of 2018 as first reference quarter. Data with base year 2015=100.0 are available from 2007 onwards. More information are available on the website of ELSTAT at:
<http://www.statistics.gr/en/statistics/-/publication/DKT59/->.