

Statistical bulletin

Index of Services, UK: December 2016

Monthly movements in output for the services industries: distribution, hotels and restaurants; transport, storage and communication; business services and finance; and government and other services.



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1 . Main points

- This release shows that services output increased by 0.2% between November 2016 and December 2016, marking the seventh consecutive month-on-month positive services growth.
- The biggest contributor to this growth was transport, storage and communication, which increased by 1.8%, the biggest contribution to this growth came from the motion picture industry.
- Services output increased by 0.8% in Quarter 4 (Oct to Dec) 2016 compared with Quarter 3 (July to Sept) 2016, with a notable contribution in consumer focused industries, despite the decline in retail sales in December.
- This release gives the first Index of Services figure for 2016 as a whole, which is estimated to have increased by 2.9% compared with 2015; this follows 2.6% growth in 2015 compared with 2014.

2 . Things you need to know about this release

The monthly Index of Services (IoS) provides a timely indicator of growth in the output of the services industries and is the largest contributor to the output approach to the measurement of gross domestic product (GDP), accounting for 78.8% of UK GDP in 2013.

The IoS measures the UK output in: distribution, hotels and restaurants; transport, storage and communication; business services and finance; and government and other services. These data are used to produce seasonally adjusted estimates of output at chained volume measures (removing the effect of inflation). Unless otherwise stated, all estimates included in this release are based on seasonally adjusted data.

Data relating to the retail industry are broadly comparable with [Retail sales in Great Britain: December 2016](#), published on 20 January 2017.

This December 2016 release contains revisions from January 2016. This means that we have incorporated additional data since this period.

Revisions can be made for a variety of reasons, the most common include:

- late responses to surveys and administrative sources
- forecasts being replaced by actual data
- revisions to seasonal adjustment factors, which are re-estimated every month and reviewed annually

This revisions period is consistent with the [National Accounts revisions policy](#).

The UK Index of Services have been designated by the [UK Statistics Authority](#) as National Statistics, in accordance with the [Statistics and Registration Service Act 2007](#) and signifying compliance with the [Code of Practice](#) for Official Statistics.

3 . Index of Services (IoS) main figures and the longer-term trend

Table 1 shows data for Index of Services (IoS) and each of the main components for December 2016.

Table 1: Index of Services main figures, December 2016

UK		Percentage Change				
Description	Percentage of Services	Index number (2013 = 100)	Most recent month on a year earlier	Most recent quarter on a year earlier	Most recent month on previous month	Most recent quarter on previous quarter
Index of Services	100.0	110.7	2.8	3.1	0.2	0.8
Distribution, hotels and restaurants	17.3	117.5	5.2	5.9	-0.3	2.0
Transport, storage and communication	13.5	114.5	4.8	4.5	1.8	1.0
Business services and finance	40.3	110.9	2.3	2.6	0.0	0.5
Government and other services	29.0	104.6	1.1	1.4	0.2	0.4

Source: Office for National Statistics

1. Components may not sum to 100% due to rounding.

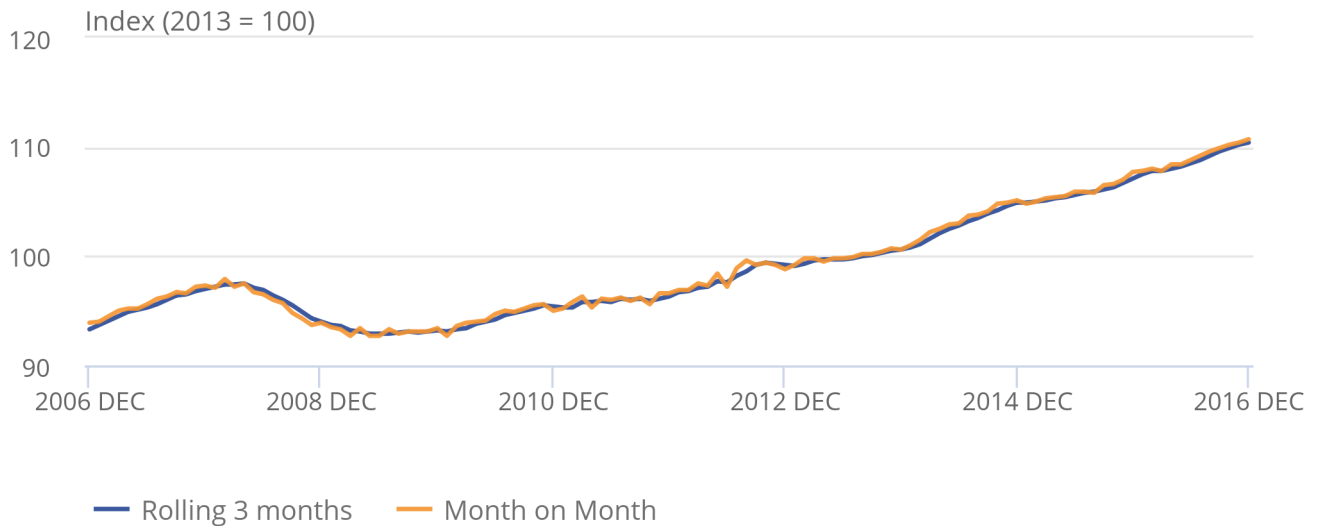
Figure 1 shows the seasonally adjusted index time series for the IoS over the past decade; this shows continued services growth following the economic downturn. The monthly IoS series can be volatile and therefore we recommend that monthly growths are viewed in the context of the longer-term trend and quarter on quarter growth rates.

Figure 1: Seasonally adjusted Index of Services, December 2006 to December 2016

UK

Figure 1: Seasonally adjusted Index of Services, December 2006 to December 2016

UK



Source: Office for National Statistics

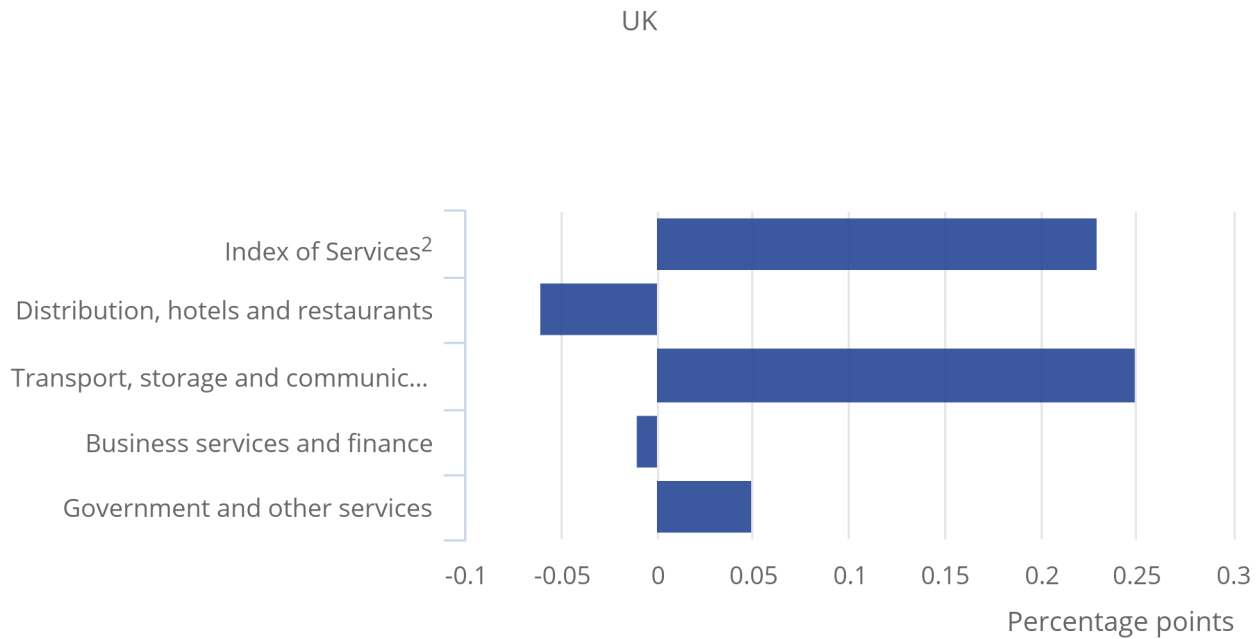
4 . Month-on-month services growth continued into December 2016

As seen in Figure 2, during December 2016, services output increased by 0.2% following a rise of 0.3% during November 2016, marking the seventh consecutive month-on-month positive services growth.

Figure 2: Contributions¹ to growth in services between November 2016 and December 2016

UK

Figure 2: Contributions¹ to growth in services between November 2016 and December 2016



Source: Office for National Statistics

Notes:

1. Individual contributions may not sum to the total due to rounding.
2. Percentage change.

Of the 4 main components of the services industries, 2 increased in the most recent month compared with the previous month. In order of their contribution to growth (shown in Figure 2):

- transport, storage and communication increased by 1.8%
- government and other services increased by 0.2%

Within the transport, storage and communication component, motion picture activities recorded month-on-month growth of 8.8% contributing 0.09 percentage points. The growth coincided with the 2 highest grossing films of 2016 being screened during December. Further information can be found on the [BFI](#) website.

Distribution, hotels and restaurants decreased by 0.3%. Retail sales contributed negative 0.14 percentage points in contrast with the annual performance. Business services and finance was flat although contributed negative 0.01 percentage points.

5 . Services growth between 2015 and 2016

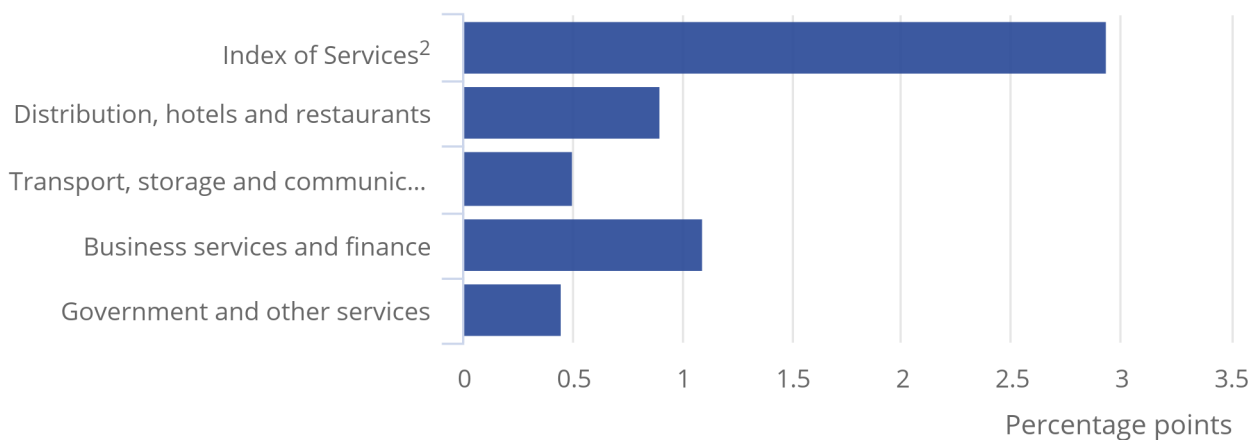
As seen in Figure 3, services output increased by 2.9% between 2015 and 2016 following a rise in output of 2.6% between 2014 and 2015.

Figure 3: Contributions¹ to growth in services between 2015 and 2016

UK

Figure 3: Contributions¹ to growth in services between 2015 and 2016

UK



Source: Office for National Statistics

Notes:

1. Individual contributions may not sum to the total due to rounding.
2. Percentage change.

All 4 of the main components of the services industries increased between 2015 and 2016. In order of their contribution to growth:

- business services and finance increased by 2.7%
- distribution, hotels and restaurants increased by 5.1%
- transport, storage and communication increased by 3.7%
- government and other services increased by 1.6%

At a more detailed level a number of industries provided notable contributions:

- computer programming contributed 0.36 percentage points with growth of 10.5% year on year; this follows six years of consecutive growth
- retail sales contributed 0.34 percentage points with growth of 4.7% evidenced by the [retail sales index](#) reflecting the strength in consumer spending over the year; this marks the fifth consecutive annual increase
- wholesale and retail trade and repair of motor vehicles and motorcycles has also grown considerably over the year contributing 0.28 percentage points with growth of 10.8% year on year; this growth is also reflected in data from the [Society of Motor Manufacture and Traders](#)

6 . Services grew by 2.8% between December 2015 and December 2016

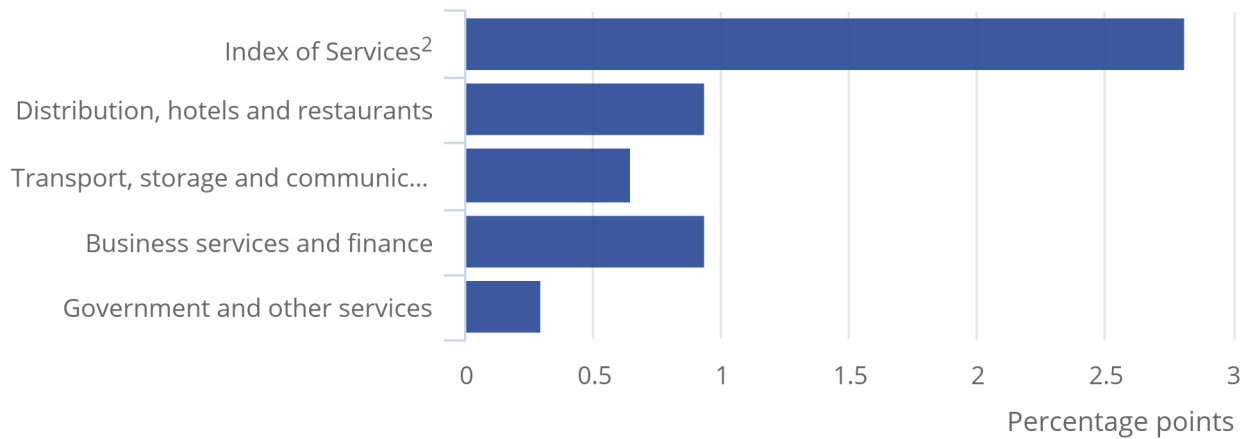
Figure 4 shows services output increased by 2.8% in December 2016 compared with December 2015.

Figure 4: Contributions¹ to growth in services between December 2015 and December 2016

UK

Figure 4: Contributions¹ to growth in services between December 2015 and December 2016

UK



Source: Office for National Statistics

Notes:

1. Individual contributions may not sum to the total due to rounding.
2. Percentage change.

All 4 of the main components of the services industries increased in the most recent month compared with the same month last year. In order of their contribution to growth:

- business services and finance increased by 2.3%
- distribution, hotels and restaurants increased by 5.2%
- transport, storage and communication increased by 4.8%
- government and other services increased by 1.1%

At a more detailed level:

- retail trade contributed 0.32 percentage points with growth increasing by 4.5%
- activities of head offices and management consultancy activities contributed 0.29 percentage points with growth increasing by 17.1%, a joint record high for this industry
- computer programming contributed 0.23 percentage points with growth increasing by 6.7%

7 . Consumer-focused industries lead quarter on quarter growth

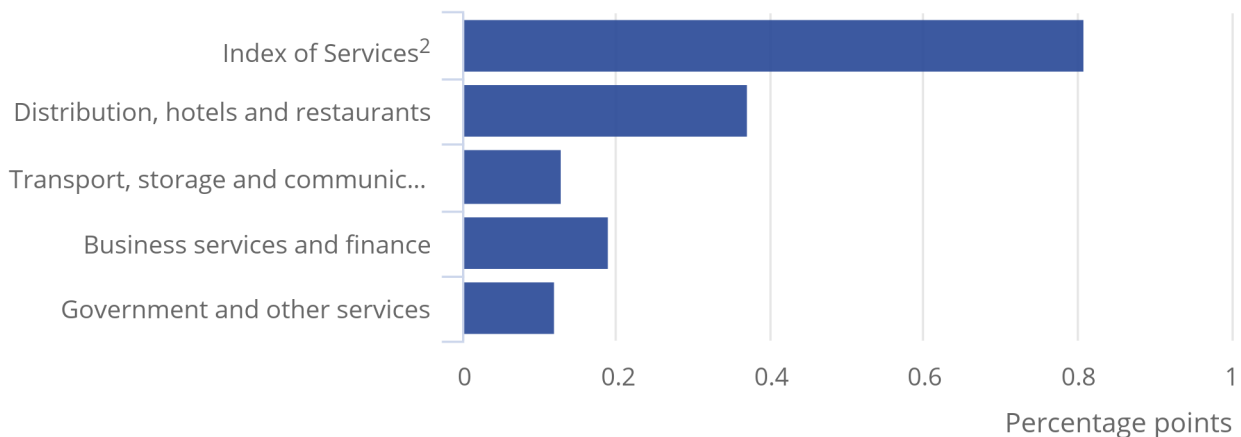
Figure 5 shows services output increased by 0.8% during the most recent quarter compared with the previous quarter along with the contributions of each of the main components. This continues the trend of positive growth in this measure since Quarter 1 (Jan to Mar) 2013.

Figure 5: Contribution¹ to growth in services between quarter 3 (July to Sept) 2016 and quarter 4 (Oct to Dec) 2016

UK

Figure 5: Contribution¹ to growth in services between quarter 3 (July to Sept) 2016 and quarter 4 (Oct to Dec) 2016

UK



Source: Office for National Statistics

Notes:

1. Individual contributions may not sum to the total due to rounding.
2. Percentage change.

In the main components:

- distribution, hotels and restaurants increased by 2.0%
- business services and finance increased by 0.5%
- transport, storage and communication increased by 1.0%
- government and other services increased by 0.4%

At a more detailed level, wholesale trade except motor vehicles and motor cycles increased by 2.9% over this period, contributing 0.12 percentage points to growth. Despite the fall in December, retail trade except motor vehicles and motor cycles, increased by 1.2%, contributing 0.09 percentage points. Travel agency activities increased by 8.4%, contributing 0.08 percentage points to growth.

More detail on individual components can be found in the [Index of Services publication tables dataset](#). The tables also provide information on the growth for the 3 months ending in December 2016 compared with the 3 months ending December 2015.

8 . What is the contribution of services to GDP?

With a weight of 78.8% in 2013, the services industries are the largest industrial grouping in the output approach to measuring gross domestic product (GDP).

Also published today (22 February 2017) is the [Second estimate of GDP](#) reporting that GDP in Quarter 4 (Oct to Dec) 2016, was estimated to have increased by 0.7% compared with the previous quarter. The services aggregate was the dominant contributor to the quarter-on-quarter percentage change in GDP, contributing 0.64 percentage points. Production, construction and agriculture contributed 0.05, 0.01 and 0.01 percentage points respectively to the headline figure.

9 . Links to related statistics

Methods and sources

The GDP(O) [methods and sources pages](#) provide more information on the data that underpin these statistics; of particular note is the [GDP\(O\) source catalogue](#).

International comparisons

International comparison with the Index of Services is difficult, as most comparable economies don't produce equivalent estimates. [Eurostat turnover in services estimates](#) are not comparable with the Index of Services (IoS), as they exclude the wholesale and retail trade; furthermore, most of the estimates are only available quarterly. The [USA](#) also produces services output estimates, but only on a quarterly basis, with a 4-month lag time. [Japan](#) has a direct equivalent of the IoS, but the estimates are not seasonally adjusted. The closest equivalent estimates are from [Canada](#), which produces a monthly output estimate of GDP with a breakdown by industry (including an aggregate for services). There are also comparable quarterly estimates from [Sweden](#) and [Ireland](#).

10 . What's changed in this release

This is the second Index of Services (IoS) bulletin released as part of the new [economic theme days](#). As such this bulletin now follows a more streamlined format and some tables such as [response rates](#) and [revisions](#), previously found in the background notes, can now be found in the main datasets.

In response to feedback from our users a new table has been added to the main datasets. This table displays monthly chained volume indices for services and its main components to 4 decimal places.

[Monthly economic commentary](#) was published alongside this release, presenting new analysis on the latest economic data.

We welcome your feedback on this new style bulletin via our [short survey](#).

11 . Quality and methodology

The monthly Index of Services (IoS) was developed to provide a timely indicator of growth in the output of services industries, at constant prices for the UK. The IoS is an important component of monthly output (GDP(O)), representing about 78.8% of UK gross domestic product (GDP) as of 2013. The IoS shares the exact same industry coverage as the corresponding quarterly series within GDP(O).

The Index of Services datasets contain additional material, including:

- Monthly Business Survey response rates
- publication tables
- revisions triangles
- lower level time series data

The [Index of Services Quality and Methodology Information document](#) contains important information on:

- the strengths and limitations of the data
- the quality of the output: including the accuracy of the data and how it compares with related data
- uses and users
- how the output was created

Industry sections (SIC2007)						
	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Government and other services	
Section	G-T	G and I	H and J	K-N	O-T	
2013 weights	1000	173	135	403	290	
	S2KU	S2MV	KI7B	KI7L	KI7T	
2012	98.3	96.6	98.3	97.9	99.7	
2013	100.0	100.0	100.0	100.0	100.0	
2014	103.3	104.8	103.0	103.9	101.7	
2015	106.0	109.5	106.8	106.9	102.2	
2016	109.1	115.0	110.7	109.8	103.9	
2014 Dec	105.1	107.8	105.2	106.2	101.9	
2015 Jan	104.8	107.4	105.2	106.1	101.4	
Feb	105.0	107.9	105.8	106.1	101.6	
Mar	105.3	108.7	105.4	106.5	101.7	
Apr	105.4	108.9	105.7	106.3	101.9	
May	105.5	108.5	106.3	106.3	102.1	
Jun	105.9	109.5	107.2	106.6	102.2	
Jul	105.9	109.8	106.8	106.7	102.2	
Aug	105.8	109.1	107.2	106.6	102.1	
Sep	106.5	110.5	106.9	107.5	102.5	
Oct	106.6	110.6	107.4	107.7	102.5	
Nov	107.0	111.1	108.1	107.9	102.9	
Dec	107.7	111.7	109.3	108.4	103.5	
2016 Jan	107.8	112.6	109.2	108.3	103.5	
Feb	108.0	113.0	109.0	108.7	103.6	
Mar	107.8	113.1	107.4	108.7	103.5	
Apr	108.4	113.6	109.2	109.4	103.5	
May	108.4	114.1	108.5	109.3	103.6	
Jun	108.8	114.4	109.8	109.8	103.7	
Jul	109.2	114.3	111.5	110.0	103.9	
Aug	109.6	115.6	112.3	110.2	103.9	
Sep	109.9	116.2	112.4	110.5	104.1	
Oct	110.2	117.7	112.5	110.5	104.2	
Nov	110.4	117.9	112.5	110.9	104.4	
Dec	110.7	117.5	114.5	110.9	104.6	
Percentage change, latest year on previous year						
	S222	S243	KI77	KI7G	KI7O	
2012	2.4	1.6	2.1	3.2	1.9	
2013	1.8	3.5	1.8	2.1	0.3	
2014	3.3	4.8	3.0	3.9	1.7	
2015	2.6	4.5	3.7	2.9	0.5	
2016	2.9	5.1	3.7	2.7	1.6	
Percentage change, latest month on same month a year ago						
	S26Q	S28R	KI7A	KI7I	KI7Q	
2014 Dec	4.5	6.3	5.2	5.2	1.9	
2015 Jan	3.8	5.7	4.9	4.8	0.6	
Feb	3.5	5.3	5.5	4.0	0.6	
Mar	3.1	4.8	4.5	3.7	0.4	
Apr	2.8	4.7	4.1	3.3	0.2	
May	2.5	4.1	3.8	2.9	0.2	
Jun	2.8	4.8	4.3	3.0	0.6	
Jul	2.2	4.8	3.2	2.2	0.1	
Aug	2.0	3.5	3.0	2.4	-	
Sep	2.3	4.3	2.6	2.6	0.4	
Oct	1.7	4.1	1.7	1.8	0.2	
Nov	2.1	3.6	3.2	1.8	1.0	
Dec	2.5	3.7	3.9	2.0	1.6	
2016 Jan	2.8	4.9	3.7	2.1	2.1	
Feb	2.8	4.7	3.0	2.5	1.9	
Mar	2.3	4.1	1.9	2.1	1.7	
Apr	2.8	4.4	3.3	2.9	1.6	
May	2.8	5.1	2.0	2.8	1.5	
Jun	2.7	4.4	2.4	3.0	1.5	
Jul	3.1	4.1	4.4	3.1	1.7	
Aug	3.5	5.9	4.8	3.3	1.7	
Sep	3.2	5.2	5.1	2.8	1.6	
Oct	3.3	6.4	4.8	2.6	1.6	
Nov	3.2	6.2	4.0	2.8	1.4	
Dec	2.8	5.2	4.8	2.3	1.1	

1 The IOS output is designated as a National Statistic.

2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".

3 Estimates cannot be regarded as accurate to the last digit shown.

4 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

5 A complete run of data is available on the ONS website as a [Time series dataset](#)

Sources: For further information on these data please telephone 01633 456387; fax 01633 455300 or e-mail ios.enquiries@ons.gov.uk

Industry sections (SIC2007)					
Section	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Government and other services
	G-T	G and I	H and J	K-N	O-T
2013 weights	1000	173	135	403	290

Percentage change, latest month on previous month

	S222	S243	KI77	KI7G	KI7O
2014 Dec	0.2	0.5	0.3	0.2	-
2015 Jan	-0.2	-0.3	0.1	-0.1	-0.6
Feb	0.2	0.4	0.5	-0.1	0.3
Mar	0.3	0.8	-0.4	0.4	0.1
Apr	-	0.1	0.3	-0.2	0.2
May	0.1	-0.3	0.6	-	0.2
Jun	0.4	0.9	0.8	0.3	0.2
Jul	-	0.2	-0.4	0.1	-
Aug	-0.1	-0.6	0.4	-0.1	-
Sep	0.6	1.2	-0.3	0.8	0.3
Oct	0.1	0.1	0.4	0.1	-
Nov	0.4	0.5	0.7	0.2	0.4
Dec	0.6	0.6	1.1	0.4	0.6
2016 Jan	0.1	0.8	-0.1	-0.1	-0.1
Feb	0.2	0.3	-0.2	0.4	0.1
Mar	-0.2	0.1	-1.5	-	-0.1
Apr	0.6	0.4	1.7	0.6	-
May	-	0.4	-0.7	-0.1	0.2
Jun	0.4	0.2	1.2	0.5	0.1
Jul	0.3	-0.1	1.6	0.2	0.2
Aug	0.4	1.2	0.8	0.2	-
Sep	0.3	0.6	-	0.3	0.2
Oct	0.3	1.2	0.1	-	0.1
Nov	0.3	0.2	-	0.4	0.2
Dec	0.2	-0.3	1.8	-	0.2

Percentage change, latest 3 months on same 3 months a year ago

	S2G6	S2I7	KI7C	KI7J	KI7R
2014 Dec	4.3	5.9	5.5	4.9	1.9
2015 Jan	4.1	5.9	5.0	4.9	1.4
Feb	3.9	5.8	5.2	4.7	1.0
Mar	3.4	5.3	5.0	4.2	0.6
Apr	3.1	5.0	4.7	3.7	0.4
May	2.8	4.6	4.1	3.3	0.3
Jun	2.7	4.5	4.1	3.1	0.3
Jul	2.5	4.6	3.8	2.7	0.3
Aug	2.3	4.4	3.5	2.5	0.2
Sep	2.1	4.2	2.9	2.4	0.1
Oct	2.0	4.0	2.5	2.2	0.2
Nov	2.0	4.0	2.5	2.1	0.5
Dec	2.1	3.8	2.9	1.9	0.9
2016 Jan	2.4	4.1	3.6	2.0	1.6
Feb	2.7	4.4	3.6	2.2	1.9
Mar	2.6	4.6	2.9	2.2	1.9
Apr	2.7	4.4	2.7	2.5	1.7
May	2.6	4.5	2.4	2.6	1.6
Jun	2.8	4.6	2.6	2.9	1.5
Jul	2.8	4.5	2.9	3.0	1.6
Aug	3.1	4.8	3.8	3.1	1.6
Sep	3.3	5.1	4.8	3.1	1.7
Oct	3.3	5.9	4.9	2.9	1.6
Nov	3.2	5.9	4.6	2.7	1.5
Dec	3.1	5.9	4.5	2.6	1.4

1 The IOS output is designated as a National Statistic.

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continued

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Section	G-T	G and I	H and J	K-N	O-T	
2013 weights	1000	173	135	403	290	
Percentage change, latest 3 months on previous 3 months						
	S2BG	S2DH	KI7D	KI7K	KI7S	
2014 Dec	1.0	1.6	1.2	1.5	-0.1	
2015 Jan	0.7	1.5	0.5	1.1	-0.5	
Feb	0.4	1.2	0.5	0.6	-0.5	
Mar	0.1	0.9	0.3	0.2	-0.5	
Apr	0.3	0.9	0.5	0.2	-	
May	0.4	1.0	0.4	0.2	0.2	
Jun	0.5	0.9	0.9	0.2	0.5	
Jul	0.5	0.7	1.1	0.2	0.4	
Aug	0.5	0.7	1.2	0.3	0.3	
Sep	0.5	0.8	0.5	0.5	0.2	
Oct	0.5	0.7	0.3	0.7	0.2	
Nov	0.8	1.1	0.4	1.0	0.5	
Dec	1.0	1.2	1.2	0.9	0.7	
2016 Jan	1.1	1.6	1.6	0.8	0.9	
Feb	1.0	1.6	1.6	0.7	0.8	
Mar	0.7	1.6	0.2	0.6	0.5	
Apr	0.5	1.3	-0.3	0.7	0.2	
May	0.3	1.1	-0.7	0.6	-	
Jun	0.6	1.0	0.6	0.8	0.1	
Jul	0.7	0.9	1.3	0.7	0.2	
Aug	1.0	1.0	2.6	0.8	0.3	
Sep	1.0	1.2	2.7	0.7	0.4	
Oct	1.0	2.0	2.3	0.6	0.3	
Nov	0.9	2.2	1.1	0.6	0.4	
Dec	0.8	2.0	1.0	0.5	0.4	

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2013	-	-	-	-	-
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	-	-	-	-	-
2014 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2015 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2016 Jan	0.1	-0.1	0.2	-	0.1
Feb	0.1	-	0.4	-	0.1
Mar	0.1	-	0.4	-	0.1
Apr	0.1	-	0.5	-	0.2
May	0.2	0.1	0.5	0.1	0.1
Jun	0.1	0.1	0.5	0.1	0.1
Jul	0.2	0.2	0.4	0.1	0.1
Aug	0.1	0.1	0.5	-0.1	0.1
Sep	0.1	0.1	0.8	-0.1	0.1
Oct	0.1	0.2	0.8	-0.3	0.2
Nov	-	0.3	1.0	-0.5	0.1
Percentage change, latest year on previous year					
	S222	S243	KI77	KI7G	KI7O
2012	-	-	-	-	-
2013	-	-	-	-	-
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	-	-	-	-	-
Percentage change, latest month on same month a year ago					
	S26Q	S28R	KI7A	KI7I	KI7Q
2014 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2015 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2016 Jan	-	-	0.1	-	0.1
Feb	-	-0.1	0.3	-	0.1
Mar	0.1	-	0.4	-	-
Apr	-	-	0.4	-	0.2
May	0.2	0.1	0.4	-	0.1
Jun	0.1	-	0.5	0.2	0.1
Jul	0.2	0.1	0.4	0.1	0.1
Aug	-	0.1	0.5	-0.1	0.1
Sep	0.1	0.1	0.7	-0.1	0.1
Oct	-	0.1	0.8	-0.3	0.2
Nov	-	0.3	0.9	-0.5	0.1

The earliest period open for revision is January 2016

Sources: For further information on these data please telephone 01633 456387; fax 01633 455300 or e-mail ios.enquiries@ons.gov.uk

continued

Industry sections (SIC2007)					
	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Government and other services
Section	G-T	G and I	H and J	K-N	O-T
2013 weights	1000	173	135	403	290

Percentage change, latest month on previous month

	S222	S243	KI77	KI7G	KI7O
2014 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2015 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2016 Jan	-	-0.1	0.1	-0.1	-
Feb	-	-	0.2	-	-
Mar	-	-	-	-	-
Apr	0.1	-	0.1	-	-
May	-	0.1	-	-	-
Jun	-	-0.1	-	0.1	-
Jul	-	0.1	-0.1	-	-
Aug	-	-	0.2	-0.1	-
Sep	0.1	0.1	0.2	-	-
Oct	-	-	-	-0.2	0.1
Nov	-	0.1	0.1	-0.1	-

Percentage change, latest 3 months on same 3 months a year ago

	S2G6	S2I7	KI7C	KI7J	KI7R
2014 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2015 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2016 Jan	-	-	-	-	0.1
Feb	-	-0.1	0.2	-	0.1
Mar	-	-	0.3	-	0.1
Apr	0.1	-	0.4	-	0.1
May	0.1	-	0.4	-	0.1
Jun	0.1	-	0.5	0.1	0.1
Jul	0.1	-	0.4	0.1	0.1
Aug	0.1	0.1	0.4	-	0.1
Sep	0.2	0.1	0.6	-	0.1
Oct	-	0.2	0.7	-0.2	0.1
Nov	-	0.2	0.8	-0.3	0.1

The earliest period open for revision is January 2016

Sources: For further information on these data please telephone 01633 456387; fax 01633 455300 or e-mail ios.enquiries@ons.gov.uk

RIOS1

IOS: Index of Services

Revisions since previously published estimates

seasonally adjusted 2013 = 100

continued

Industry sections (SIC2007)					
Section	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Government and other services
	G-T	G and I	H and J	K-N	O-T
2013 weights	1000	173	135	403	290

Percentage change, latest 3 months on previous 3 months

	S2BG	S2DH	KI7D	KI7K	KI7S
2014 Nov	-	-	-	-	-
Dec	-	-	-	-	-
2015 Jan	-	-	-	-	-
Feb	-	-	-	-	-
Mar	-	-	-	-	-
Apr	-	-	-	-	-
May	-	-	-	-	-
Jun	-	-	-	-	-
Jul	-	-	-	-	-
Aug	-	-	-	-	-
Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2016 Jan	-	-	-	-	-
Feb	-	-	0.2	-	-
Mar	0.1	-	0.3	-	0.1
Apr	-	-	0.4	-	0.1
May	-	0.1	0.3	-	0.1
Jun	-	0.1	0.2	-	-
Jul	0.1	0.1	0.1	0.1	-
Aug	0.1	0.1	-	-	-
Sep	-	0.1	0.1	-0.1	-
Oct	-0.1	0.1	0.3	-0.3	-
Nov	-0.1	0.1	0.3	-0.3	0.1

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Industry components (SIC2007)					
	Wholesale and retail repair of motor vehicles and motorcycles	Wholesale trade, except motor vehicles and motorcycles	Retail trades except of motor vehicles and motorcycles	Land transport	Air transport
Component	45	46	47	49	51
2013 weights	23	42	71	22	6
	S2KW	S2KX	S2KY	KFV6	S2L5
2012	89.8	92.5	98.7	98.5	96.3
2013	100.0	100.0	100.0	100.0	100.0
2014	109.2	105.4	103.9	107.5	105.9
2015	118.3	107.9	108.6	111.7	107.7
2016	131.1	110.0	113.6	113.0	117.0
2014 Dec	113.2	107.5	107.3	110.9	105.8
2015 Jan	112.7	107.8	106.9	110.8	105.4
Feb	114.0	107.0	107.0	111.2	101.7
Mar	114.6	107.9	107.4	110.9	105.6
Apr	115.3	108.0	108.0	110.7	108.5
May	116.7	106.9	107.9	111.1	108.1
Jun	120.3	108.2	108.4	111.7	108.0
Jul	119.6	109.2	108.5	110.9	108.7
Aug	117.9	108.9	108.1	111.6	108.7
Sep	120.4	106.4	110.6	112.6	109.1
Oct	120.7	107.8	109.2	112.4	110.7
Nov	121.4	107.3	111.1	113.5	110.0
Dec	126.2	108.8	109.6	112.5	108.0
2016 Jan	127.8	108.7	111.8	113.2	111.0
Feb	129.2	108.6	111.2	113.0	115.1
Mar	132.2	108.2	111.0	110.0	112.1
Apr	130.7	109.1	112.2	114.2	114.0
May	129.7	108.1	113.3	111.4	115.9
Jun	131.2	109.9	112.3	112.3	117.6
Jul	127.3	108.3	114.5	111.3	119.2
Aug	130.4	109.9	114.8	113.6	118.7
Sep	133.9	110.6	114.5	114.1	119.2
Oct	133.5	111.8	116.8	114.6	120.4
Nov	132.5	113.2	116.7	113.2	120.6
Dec	134.9	113.2	114.5	115.1	120.0
Percentage change, latest year on previous year					
	S224	S225	S226	KFV5	S22B
2012	6.9	-1.4	0.5	-0.8	6.4
2013	11.3	8.1	1.3	1.6	3.9
2014	9.2	5.4	3.9	7.5	5.9
2015	8.4	2.3	4.5	3.8	1.7
2016	10.8	2.0	4.7	1.2	8.6
Percentage change, latest month on same month a year ago					
	S26S	S26T	S26U	KF16	S26Z
2014 Dec	6.5	10.1	4.3	13.9	2.8
2015 Jan	5.4	5.8	6.6	9.7	1.1
Feb	8.6	4.1	4.7	7.8	-3.0
Mar	6.6	2.5	4.9	6.0	0.2
Apr	7.3	3.6	4.4	6.2	2.6
May	8.4	2.2	4.2	3.3	1.5
Jun	10.2	3.4	4.5	3.3	1.3
Jul	9.6	3.4	4.5	1.9	4.0
Aug	7.0	2.5	3.4	1.3	1.4
Sep	8.7	-1.7	6.9	2.9	1.7
Oct	8.8	0.8	3.8	1.2	3.5
Nov	8.1	-0.2	4.4	1.9	3.8
Dec	11.4	1.3	2.2	1.5	2.1
2016 Jan	13.3	0.8	4.5	2.2	5.3
Feb	13.3	1.4	4.0	1.6	13.3
Mar	15.4	0.3	3.4	-0.8	6.1
Apr	13.3	1.0	3.9	3.1	5.1
May	11.1	1.1	5.0	0.3	7.2
Jun	9.0	1.5	3.6	0.5	8.9
Jul	6.5	-0.8	5.6	0.3	9.6
Aug	10.6	0.9	6.2	1.8	9.2
Sep	11.2	4.0	3.6	1.4	9.3
Oct	10.6	3.7	7.0	2.0	8.7
Nov	9.1	5.5	5.1	-0.3	9.6
Dec	6.9	4.0	4.5	2.3	11.1

1 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".

2 Estimates cannot be regarded as accurate to the last digit shown.

3 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

4 A complete run of data is available on the ONS website as a [Time series dataset](#)

IOSCOMP

IOS: Index of Services

Chained volume indices of gross value added ^{1,2,3}

seasonally adjusted 2013 = 100

continued

Component	Industry components (SIC2007)				
	Wholesale and retail repair of motor vehicles and motorcycles	Wholesale trade, except motor vehicles and motorcycles	Retail trades except of motor vehicles and motorcycles	Land transport	Air transport
	45	46	47	49	51
2013 weights	23	42	71	22	6

Percentage change, latest month on previous month

	S224	S225	S226	KFV5	S22B
2014 Dec	0.8	-	0.8	-0.6	-0.2
2015 Jan	-0.4	0.3	-0.3	-0.1	-0.3
Feb	1.1	-0.7	0.1	0.4	-3.6
Mar	0.5	0.8	0.4	-0.3	3.9
Apr	0.7	0.2	0.6	-0.1	2.7
May	1.2	-1.1	-0.1	0.3	-0.3
Jun	3.1	1.3	0.5	0.5	-0.1
Jul	-0.6	0.8	-	-0.7	0.7
Aug	-1.5	-0.3	-0.4	0.6	-
Sep	2.1	-2.3	2.3	0.9	0.4
Oct	0.3	1.4	-1.2	-0.2	1.5
Nov	0.6	-0.5	1.7	1.0	-0.6
Dec	3.9	1.4	-1.3	-0.9	-1.8
2016 Jan	1.3	-0.1	1.9	0.6	2.7
Feb	1.1	-0.1	-0.5	-0.2	3.8
Mar	2.3	-0.4	-0.3	-2.6	-2.6
Apr	-1.1	0.8	1.1	3.8	1.7
May	-0.8	-1.0	1.0	-2.4	1.7
Jun	1.1	1.7	-0.9	0.8	1.4
Jul	-2.9	-1.5	2.0	-0.8	1.4
Aug	2.4	1.5	0.2	2.0	-0.4
Sep	2.7	0.7	-0.2	0.5	0.5
Oct	-0.3	1.1	2.0	0.4	1.0
Nov	-0.8	1.2	-0.1	-1.2	0.2
Dec	1.8	0.1	-1.9	1.6	-0.5

Percentage change, latest 3 months on same 3 months a year ago

	S2G8	S2G9	S2GA	KF18	S2GF
2014 Dec	6.7	7.1	5.2	12.0	4.4
2015 Jan	6.1	7.0	5.8	11.8	2.5
Feb	6.8	6.6	5.2	10.4	0.3
Mar	6.9	4.1	5.4	7.8	-0.6
Apr	7.5	3.4	4.7	6.7	-
May	7.5	2.8	4.5	5.1	1.5
Jun	8.7	3.1	4.4	4.3	1.8
Jul	9.4	3.0	4.4	2.8	2.3
Aug	8.9	3.1	4.1	2.2	2.2
Sep	8.4	1.4	4.9	2.0	2.4
Oct	8.1	0.5	4.7	1.8	2.2
Nov	8.5	-0.4	5.0	2.0	3.0
Dec	9.5	0.6	3.4	1.5	3.1
2016 Jan	11.0	0.6	3.7	1.8	3.7
Feb	12.7	1.2	3.6	1.7	6.8
Mar	14.0	0.9	4.0	1.0	8.2
Apr	14.0	0.9	3.7	1.3	8.1
May	13.3	0.8	4.1	0.8	6.2
Jun	11.1	1.2	4.2	1.3	7.1
Jul	8.9	0.6	4.7	0.4	8.6
Aug	8.7	0.5	5.1	0.9	9.2
Sep	9.4	1.4	5.1	1.2	9.4
Oct	10.8	2.9	5.6	1.7	9.1
Nov	10.3	4.4	5.2	1.0	9.2
Dec	8.9	4.4	5.5	1.3	9.8

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Sources: For further information on these data please telephone 01633 456387; fax 01633 455300 or e-mail ios.enquiries@ons.gov.uk

continued

Component	Industry components (SIC2007)				
	Wholesale and retail. repair of motor vehicles and motorcycles	Wholesale trade, except motor vehicles and motorcycles	Retail trades except of motor vehicles and motorcycles	Land transport	Air transport
Component	45	46	47	49	51
2013 weights	23	42	71	22	6

Percentage change, latest 3 months on previous 3 months

	S2BI	S2BJ	S2BK	KFJ2	S2BP
2014 Dec	1.9	0.6	2.3	1.5	-0.1
2015 Jan	1.9	0.5	2.4	0.7	-1.3
Feb	1.8	-0.1	1.9	0.3	-2.3
Mar	1.4	0.3	0.7	-0.1	-1.9
Apr	1.7	0.1	0.5	-0.1	-0.5
May	2.0	0.1	0.6	-	3.0
Jun	3.2	0.1	1.0	0.2	3.8
Jul	3.7	0.4	0.8	0.3	2.9
Aug	3.2	1.1	0.5	0.5	1.0
Sep	1.6	0.4	0.9	0.5	0.6
Oct	0.6	-0.4	0.9	0.9	1.2
Nov	1.3	-1.5	1.8	1.3	1.4
Dec	2.9	-0.1	0.8	1.0	0.7
2016 Jan	4.6	0.6	1.4	0.8	0.1
Feb	5.7	1.5	0.5	-	1.3
Mar	5.7	0.5	1.2	-0.7	2.9
Apr	4.5	0.3	0.6	-0.6	3.7
May	2.5	-0.2	1.2	-0.9	2.3
Jun	0.6	0.5	1.1	0.5	2.7
Jul	-1.0	0.1	1.7	-0.6	3.4
Aug	-0.9	0.8	1.5	0.5	3.9
Sep	-	0.5	1.8	0.4	2.8
Oct	2.5	1.9	1.8	2.2	1.6
Nov	2.8	2.3	1.9	1.4	1.3
Dec	2.4	2.9	1.2	1.2	1.1

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IOSCOMP

IOS: Index of Services
Chained volume indices of gross value added ^{1,2,3}

seasonally adjusted 2013 = 100

continued

Component	Industry components (SIC2007)				
	Warehousing and support activities for transportation	Postal and courier activities	Accommodation	Food and beverage service activities	Publishing, audiovisual and broadcasting activities
	52	53	55	56	58-60
2013 weights	13	8	10	27	21
	S2L6	S2L7	S2L9	S2LA	KFW8
2012	97.4	98.4	96.9	104.8	95.3
2013	100.0	100.0	100.0	100.0	100.0
2014	108.6	99.6	102.8	103.2	96.4
2015	107.1	102.4	113.3	105.4	105.0
2016	103.5	103.1	120.4	110.7	115.5
2014 Dec	113.0	100.9	107.0	105.1	99.2
2015 Jan	108.6	100.2	107.4	103.3	102.0
Feb	107.9	99.3	110.9	105.1	102.8
Mar	109.2	100.4	114.9	106.3	102.1
Apr	108.5	101.3	111.7	105.8	100.4
May	108.2	100.2	111.1	105.0	104.1
Jun	108.2	102.2	111.8	104.2	109.0
Jul	107.2	104.8	113.0	104.6	105.7
Aug	106.4	103.8	112.0	103.9	103.0
Sep	107.2	102.8	115.8	106.2	104.2
Oct	104.6	104.1	119.2	106.7	106.0
Nov	106.0	100.1	115.1	106.8	107.7
Dec	103.2	110.0	116.9	107.6	113.3
2016 Jan	103.7	103.7	113.5	107.7	108.9
Feb	103.4	102.9	120.4	107.8	110.3
Mar	102.4	99.2	120.2	107.7	112.6
Apr	104.5	101.1	119.0	108.0	108.3
May	102.3	103.2	119.1	110.4	109.3
Jun	101.9	101.5	119.1	110.7	115.3
Jul	103.5	99.1	119.6	109.7	121.0
Aug	103.5	102.9	121.9	111.7	119.6
Sep	102.9	103.5	118.4	113.5	121.0
Oct	103.1	103.7	123.8	113.3	115.1
Nov	104.6	106.3	123.7	114.0	118.4
Dec	106.1	110.5	126.6	114.3	125.8
Percentage change, latest year on previous year					
	S22C	S22D	S22F	S22G	KFW7
2012	2.1	-5.9	0.1	5.2	4.1
2013	2.6	1.6	3.2	-4.6	4.9
2014	8.6	-0.4	2.8	3.2	-3.6
2015	-1.4	2.9	10.2	2.1	9.0
2016	-3.4	0.7	6.3	5.0	9.9
Percentage change, latest month on same month a year ago					
	S272	S273	S275	S276	KFM4
2014 Dec	10.6	0.8	10.6	4.6	-1.9
2015 Jan	3.5	4.3	5.9	3.5	4.2
Feb	2.8	1.7	10.9	3.8	7.8
Mar	2.1	0.4	18.1	2.4	8.6
Apr	3.6	2.2	10.3	3.2	5.0
May	1.9	-0.3	6.3	2.2	9.5
Jun	1.3	2.1	9.7	1.0	15.2
Jul	-1.7	4.8	12.2	1.0	9.5
Aug	-4.0	5.1	8.7	0.3	6.7
Sep	-2.9	1.6	10.8	1.2	8.5
Oct	-8.5	3.8	13.3	2.8	8.9
Nov	-4.9	-0.1	7.4	2.1	9.9
Dec	-8.7	9.0	9.3	2.3	14.2
2016 Jan	-4.5	3.6	5.7	4.2	6.8
Feb	-4.2	3.6	8.6	2.6	7.3
Mar	-6.2	-1.2	4.6	1.3	10.2
Apr	-3.7	-0.2	6.6	2.1	7.9
May	-5.4	3.0	7.3	5.1	5.0
Jun	-5.8	-0.6	6.5	6.2	5.7
Jul	-3.5	-5.4	5.9	4.9	14.5
Aug	-2.7	-0.9	8.8	7.5	16.1
Sep	-4.0	0.7	2.2	6.9	16.1
Oct	-1.4	-0.3	3.9	6.3	8.5
Nov	-1.4	6.2	7.5	6.8	9.9
Dec	2.8	0.4	8.3	6.2	11.1

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IOSCOMP

IOS: Index of Services

Chained volume indices of gross value added^{1,2,3}

seasonally adjusted 2013 = 100

continued

Component	Industry components (SIC2007)				
	Warehousing and support activities for transportation	Postal and courier activities	Accommodation	Food and beverage service activities	Publishing, audiovisual and broadcasting activities
	52	53	55	56	58-60
2013 weights	13	8	10	27	21

Percentage change, latest month on previous month

	S22C	S22D	S22F	S22G	KFW7
2014 Dec	1.3	0.6	-0.2	0.5	1.2
2015 Jan	-3.9	-0.7	0.4	-1.7	2.8
Feb	-0.6	-0.8	3.3	1.7	0.8
Mar	1.2	1.1	3.6	1.1	-0.6
Apr	-0.6	0.9	-2.8	-0.4	-1.7
May	-0.2	-1.2	-0.5	-0.8	3.7
Jun	-	2.0	0.6	-0.7	4.8
Jul	-0.9	2.5	1.1	0.4	-3.1
Aug	-0.7	-0.9	-0.8	-0.7	-2.5
Sep	0.7	-0.9	3.4	2.2	1.2
Oct	-2.5	1.2	2.9	0.5	1.7
Nov	1.4	-3.8	-3.4	0.1	1.6
Dec	-2.7	9.8	1.6	0.7	5.2
2016 Jan	0.5	-5.7	-2.9	0.1	-3.9
Feb	-0.3	-0.8	6.1	0.1	1.2
Mar	-1.0	-3.6	-0.2	-0.2	2.1
Apr	2.0	1.9	-1.0	0.3	-3.8
May	-2.0	2.1	0.1	2.2	0.9
Jun	-0.5	-1.6	-	0.3	5.5
Jul	1.6	-2.4	0.4	-0.8	5.0
Aug	-	3.8	1.9	1.8	-1.2
Sep	-0.6	0.6	-2.9	1.6	1.2
Oct	0.1	0.2	4.6	-0.2	-4.9
Nov	1.5	2.5	-0.1	0.6	2.9
Dec	1.4	3.9	2.3	0.2	6.3

Percentage change, latest 3 months on same 3 months a year ago

	S2GG	S2GH	S2GJ	S2GK	KFM6
2014 Dec	12.7	-0.4	7.7	4.6	-2.8
2015 Jan	8.7	0.7	7.7	4.0	-0.4
Feb	5.6	2.3	9.1	3.9	3.3
Mar	2.8	2.1	11.5	3.2	6.9
Apr	2.8	1.4	13.1	3.1	7.1
May	2.5	0.8	11.4	2.6	7.7
Jun	2.3	1.3	8.7	2.1	9.9
Jul	0.5	2.2	9.3	1.4	11.4
Aug	-1.5	4.0	10.2	0.7	10.5
Sep	-2.9	3.8	10.6	0.8	8.2
Oct	-5.2	3.5	11.0	1.4	8.0
Nov	-5.5	1.8	10.5	2.0	9.1
Dec	-7.4	4.2	10.0	2.4	11.0
2016 Jan	-6.1	4.2	7.4	2.9	10.3
Feb	-5.8	5.4	7.9	3.0	9.4
Mar	-5.0	2.0	6.3	2.7	8.1
Apr	-4.7	0.7	6.6	2.0	8.5
May	-5.1	0.5	6.1	2.8	7.7
Jun	-5.0	0.7	6.8	4.4	6.2
Jul	-4.9	-1.1	6.6	5.4	8.4
Aug	-4.0	-2.3	7.1	6.2	12.0
Sep	-3.4	-1.9	5.6	6.4	15.5
Oct	-2.7	-0.2	4.9	6.9	13.5
Nov	-2.3	2.1	4.5	6.7	11.5
Dec	-	2.0	6.5	6.4	9.9

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continued

Component	Industry components (SIC2007)				
	Warehousing and support activities for transportation	Postal and courier activities	Accommodation	Food and beverage service activities	Publishing, audiovisual and broadcasting activities
Component	52	53	55	56	58-60
2013 weights	13	8	10	27	21

Percentage change, latest 3 months on previous 3 months

	S2BQ	S2BR	S2BT	S2BU	KFM8
2014 Dec	2.6	0.5	3.6	0.4	1.9
2015 Jan	-0.7	0.4	2.8	0.2	3.2
Feb	-2.0	-0.4	2.6	0.1	4.3
Mar	-3.9	-0.5	4.3	0.4	4.2
Apr	-2.3	-0.1	5.0	1.3	2.0
May	-1.1	0.5	3.8	1.1	0.9
Jun	-0.2	1.3	0.4	0.1	2.2
Jul	-0.6	2.0	-0.5	-1.0	4.4
Aug	-1.2	2.9	-0.2	-1.3	3.6
Sep	-1.2	2.5	1.9	-0.1	-0.2
Oct	-1.7	1.2	3.3	0.9	-1.7
Nov	-1.3	-1.2	4.0	2.2	0.1
Dec	-2.2	0.9	3.0	2.0	4.5
2016 Jan	-1.7	1.0	-0.5	1.7	5.3
Feb	-2.4	3.1	0.2	1.1	4.5
Mar	-1.4	-2.7	0.8	0.7	1.4
Apr	-0.8	-3.4	4.1	0.5	0.4
May	-0.3	-4.1	2.1	0.9	-0.7
Jun	-0.3	-	0.9	1.8	0.3
Jul	-0.8	0.2	-0.5	2.2	4.4
Aug	-0.1	-	0.7	1.8	7.8
Sep	0.4	-0.1	0.7	1.8	8.6
Oct	0.6	2.1	1.7	2.4	2.9
Nov	0.5	3.3	1.5	2.7	-0.4
Dec	1.2	4.9	3.9	2.0	-0.6

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IOSCOMP

IOS: Index of Services
Chained volume indices of gross value added ^{1,2,3}

seasonally adjusted 2013 = 100

continued

Component	Industry components (SIC2007)				
	Telecom -munications 61	Computer programming, consultancy and related activities 62	Information service activities 63	Financial service activities except insurance and pension funding 64	Real estate activities 68
2013 weights	23	31	4	56	155
	S2LE	S2LF	S2LG	S2LI	KFW4
2012	104.7	96.5	90.6	105.5	98.1
2013	100.0	100.0	100.0	100.0	100.0
2014	95.5	107.9	104.6	95.8	103.6
2015	98.6	113.8	110.3	97.3	105.2
2016	95.8	125.8	112.6	99.8	106.1
2014 Dec	95.6	109.9	109.1	100.3	104.3
2015 Jan	96.2	110.3	111.2	99.5	104.4
Feb	97.8	112.1	112.3	99.5	104.5
Mar	100.1	108.6	111.0	98.8	104.7
Apr	99.3	111.9	109.2	97.8	105.1
May	99.9	110.9	119.5	96.7	105.0
Jun	99.2	112.4	110.5	95.9	105.2
Jul	97.9	113.7	110.9	95.5	105.4
Aug	102.1	115.1	104.9	95.6	105.6
Sep	98.4	114.4	108.9	96.2	105.6
Oct	97.8	116.6	108.5	96.5	105.5
Nov	97.2	118.8	111.5	97.2	105.4
Dec	98.0	120.4	105.1	98.3	105.9
2016 Jan	97.9	122.3	111.3	98.8	105.9
Feb	95.8	121.1	116.7	99.0	106.3
Mar	94.6	118.9	109.2	98.9	106.4
Apr	96.5	122.6	115.5	98.9	106.4
May	92.0	124.9	112.5	99.1	106.2
Jun	94.6	124.8	109.5	99.8	106.1
Jul	95.1	128.4	108.9	100.0	106.0
Aug	94.7	130.1	113.4	100.4	106.3
Sep	95.8	128.2	113.7	100.7	105.9
Oct	97.7	131.0	111.2	100.7	105.8
Nov	96.3	128.7	116.8	100.5	105.8
Dec	98.9	128.4	113.1	100.4	106.0
Percentage change, latest year on previous year					
	S22K	S22L	S22M	S22O	KFW3
2012	-0.3	5.9	9.4	-1.7	2.5
2013	-4.5	3.6	10.4	-5.2	1.9
2014	-4.5	7.9	4.6	-4.2	3.6
2015	3.3	5.5	5.4	1.6	1.6
2016	-2.9	10.5	2.1	2.5	0.8
Percentage change, latest month on same month a year ago					
	S27A	S27B	S27C	S27E	KFK8
2014 Dec	1.7	6.4	3.6	2.7	2.8
2015 Jan	2.5	5.0	11.3	3.1	2.6
Feb	3.3	8.3	9.7	4.6	1.9
Mar	3.2	5.9	8.1	5.4	1.8
Apr	3.4	5.1	5.7	4.1	1.9
May	5.8	2.1	18.1	3.1	1.3
Jun	3.3	4.3	2.6	1.6	1.9
Jul	2.0	4.5	5.7	0.6	1.2
Aug	7.4	4.9	0.9	0.5	1.5
Sep	2.7	4.0	3.9	0.7	1.2
Oct	2.1	4.0	0.4	-0.9	1.1
Nov	1.7	8.1	3.7	-1.7	1.1
Dec	2.6	9.5	-3.7	-1.9	1.5
2016 Jan	1.7	11.0	0.1	-0.8	1.4
Feb	-2.0	8.0	3.9	-0.5	1.7
Mar	-5.5	9.4	-1.6	0.1	1.6
Apr	-2.8	9.5	5.7	1.1	1.2
May	-7.9	12.6	-5.9	2.5	1.1
Jun	-4.6	11.0	-0.8	4.0	0.8
Jul	-2.9	13.0	-1.8	4.7	0.6
Aug	-7.2	13.1	8.1	5.1	0.6
Sep	-2.6	12.0	4.4	4.7	0.3
Oct	-	12.3	2.5	4.3	0.4
Nov	-0.9	8.3	4.8	3.5	0.3
Dec	0.9	6.7	7.7	2.1	0.1

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IOSCOMP

IOS: Index of Services

Chained volume indices of gross value added^{1,2,3}

seasonally adjusted 2013 = 100

continued

Component	Industry components (SIC2007)				
	Telecom -munications	Computer programming, consultancy and related activities	Information service activities	Financial service activities except insurance and pension funding	Real estate activities
2013 weights	61	62	63	64	68
	23	31	4	56	155

Percentage change, latest month on previous month

	S22K	S22L	S22M	S22O	KFW3
2014 Dec	0.1	-	1.5	1.4	-
2015 Jan	0.7	0.3	1.9	-0.7	0.1
Feb	1.6	1.7	1.0	-	0.1
Mar	2.4	-3.1	-1.2	-0.7	0.2
Apr	-0.9	3.1	-1.6	-1.0	0.3
May	0.7	-0.9	9.4	-1.1	-0.1
Jun	-0.8	1.4	-7.6	-0.8	0.2
Jul	-1.3	1.1	0.4	-0.4	0.2
Aug	4.3	1.2	-5.4	0.1	0.2
Sep	-3.6	-0.6	3.8	0.6	-
Oct	-0.6	1.9	-0.4	0.3	-0.1
Nov	-0.6	1.9	2.7	0.7	-
Dec	0.9	1.3	-5.7	1.2	0.4
2016 Jan	-0.2	1.7	5.9	0.5	-
Feb	-2.1	-1.0	4.9	0.2	0.4
Mar	-1.3	-1.9	-6.4	-	0.1
Apr	2.0	3.1	5.7	-	-
May	-4.6	1.9	-2.6	0.2	-0.2
Jun	2.8	-0.1	-2.6	0.7	-0.1
Jul	0.5	2.9	-0.6	0.2	-0.1
Aug	-0.3	1.3	4.2	0.4	0.3
Sep	1.2	-1.5	0.2	0.3	-0.3
Oct	2.0	2.2	-2.2	-	-0.1
Nov	-1.5	-1.8	5.0	-0.1	-0.1
Dec	2.8	-0.2	-3.1	-0.2	0.2

Percentage change, latest 3 months on same 3 months a year ago

	S2GO	S2GP	S2GQ	S2GS	KFL2
2014 Dec	0.7	9.3	4.9	0.4	3.3
2015 Jan	1.7	6.6	6.9	1.9	2.9
Feb	2.5	6.6	8.1	3.4	2.4
Mar	3.0	6.4	9.7	4.4	2.1
Apr	3.3	6.4	7.8	4.7	1.9
May	4.1	4.3	10.6	4.2	1.7
Jun	4.2	3.8	8.7	2.9	1.7
Jul	3.7	3.6	8.6	1.8	1.5
Aug	4.2	4.6	3.1	0.9	1.5
Sep	4.0	4.5	3.5	0.6	1.3
Oct	4.1	4.3	1.7	0.1	1.3
Nov	2.2	5.4	2.7	-0.7	1.1
Dec	2.1	7.2	0.1	-1.5	1.2
2016 Jan	2.0	9.5	-	-1.5	1.3
Feb	0.7	9.5	0.2	-1.1	1.6
Mar	-2.0	9.5	0.8	-0.4	1.6
Apr	-3.5	9.0	2.7	0.2	1.5
May	-5.4	10.5	-0.8	1.2	1.3
Jun	-5.1	11.0	-0.5	2.5	1.0
Jul	-5.2	12.2	-2.9	3.7	0.8
Aug	-4.9	12.3	1.7	4.6	0.6
Sep	-4.3	12.7	3.5	4.8	0.5
Oct	-3.3	12.5	4.9	4.7	0.4
Nov	-1.2	10.8	3.9	4.2	0.3
Dec	-	9.0	4.9	3.3	0.3

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Chained volume indices of gross value added^{1,2,3}

seasonally adjusted 2013 = 100

continued

Component	Industry components (SIC2007)				
	Telecom -munications	Computer programming, consultancy and related activities	Information service activities	Financial service activities except insurance and pension funding	Real estate activities
Component	61	62	63	64	68
2013 weights	23	31	4	56	155

Percentage change, latest 3 months on previous 3 months

	S2BY	S2BZ	S2C2	S2C4	KFL4
2014 Dec	-	1.1	3.5	3.8	0.1
2015 Jan	0.3	-0.5	3.4	3.7	0.1
Feb	0.9	0.1	3.8	2.6	0.1
Mar	2.5	-0.3	3.0	0.5	0.2
Apr	3.4	0.8	1.5	-0.8	0.4
May	3.4	-0.3	2.2	-2.0	0.5
Jun	1.4	1.3	1.4	-2.5	0.5
Jul	-0.1	1.3	2.5	-2.7	0.4
Aug	-0.1	3.0	-4.0	-2.2	0.5
Sep	-	2.4	-4.3	-1.1	0.4
Oct	0.4	2.7	-5.4	-	0.3
Nov	-1.9	2.6	0.8	1.0	0.1
Dec	-1.8	3.7	0.1	1.7	-
2016 Jan	-1.7	4.4	1.7	2.1	0.2
Feb	-0.6	4.0	1.3	2.1	0.5
Mar	-1.6	1.8	3.7	1.6	0.6
Apr	-2.1	0.3	4.1	0.8	0.6
May	-3.0	0.7	1.2	0.3	0.3
Jun	-1.8	2.7	0.1	0.4	-
Jul	-1.8	4.3	-3.1	0.7	-0.3
Aug	0.5	4.6	-1.6	1.1	-0.2
Sep	0.9	3.9	-0.4	1.1	-0.1
Oct	2.3	3.0	2.2	0.9	-0.1
Nov	1.9	1.2	2.9	0.5	-0.3
Dec	2.6	0.3	1.5	0.1	-0.2

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continued

Industry components (SIC2007)						
	Other professional service activities	Other professional scientific and technical activities	Administrative and support service activities	Public admin and defence; compulsory social security	Education	
Component	69-71	73-75	77-82	84	85	
2013 weights	67	18	59	66	80	
	KFX6	KFY2	S2LZ	S2M9	S2MB	
2012	92.9	98.7	95.1	102.2	99.6	
2013	100.0	100.0	100.0	100.0	100.0	
2014	106.8	107.3	109.7	98.4	101.2	
2015	112.0	110.2	115.2	96.0	102.0	
2016	116.7	115.7	118.4	94.3	102.0	
2014 Dec	110.0	111.9	113.4	97.9	101.5	
2015 Jan	109.5	112.4	112.5	97.4	101.7	
Feb	109.5	109.4	112.8	97.2	101.7	
Mar	109.7	111.4	115.2	96.9	101.8	
Apr	111.2	104.6	114.4	96.6	101.8	
May	112.2	108.0	113.3	96.2	101.9	
Jun	112.5	111.0	114.8	95.8	102.0	
Jul	111.6	109.1	117.4	95.4	102.2	
Aug	111.5	108.0	116.5	95.4	102.3	
Sep	114.5	110.1	117.2	95.3	102.3	
Oct	114.1	112.9	116.6	95.2	102.1	
Nov	114.1	111.9	116.5	95.2	102.1	
Dec	113.9	113.6	115.7	95.1	102.3	
2016 Jan	111.9	113.8	116.4	95.0	102.5	
Feb	113.9	110.9	117.1	94.8	102.5	
Mar	115.2	109.2	116.8	94.6	101.7	
Apr	116.8	114.6	118.3	94.5	101.4	
May	116.1	117.1	116.5	94.3	101.9	
Jun	117.1	115.5	117.7	94.1	101.9	
Jul	117.6	116.8	117.8	94.1	101.6	
Aug	117.3	115.9	118.4	94.0	101.5	
Sep	117.6	115.9	120.4	94.1	102.0	
Oct	118.1	117.5	120.3	94.0	102.2	
Nov	119.9	119.8	120.8	93.9	102.4	
Dec	119.0	122.1	120.2	93.9	102.4	
Percentage change, latest year on previous year						
	KFX5	KFX9	S237	S23F	S23H	
2012	3.9	6.6	8.2	-1.4	3.0	
2013	7.6	1.3	5.1	-2.2	0.4	
2014	6.8	7.3	9.7	-1.6	1.2	
2015	4.9	2.7	5.1	-2.5	0.8	
2016	4.2	5.0	2.7	-1.8	-	
Percentage change, latest month on same month a year ago						
	KFO6	KFO2	S27V	S285	S287	
2014 Dec	10.2	9.5	8.6	-1.0	1.5	
2015 Jan	7.5	11.8	7.3	-1.5	1.5	
Feb	5.8	5.5	7.0	-1.5	1.3	
Mar	4.2	4.0	7.9	-1.6	1.1	
Apr	6.2	-3.2	6.0	-2.2	0.6	
May	6.5	2.5	3.5	-2.3	0.6	
Jun	5.0	3.5	4.2	-2.5	0.6	
Jul	4.0	-0.6	5.1	-3.1	0.4	
Aug	4.0	0.6	5.1	-3.1	0.6	
Sep	5.7	2.2	5.2	-3.1	0.7	
Oct	2.8	6.5	3.3	-3.1	0.7	
Nov	3.6	-0.4	4.5	-3.0	0.8	
Dec	3.6	1.5	2.1	-2.9	0.8	
2016 Jan	2.2	1.3	3.5	-2.5	0.8	
Feb	4.0	1.4	3.8	-2.4	0.7	
Mar	5.0	-2.0	1.4	-2.4	-	
Apr	5.0	9.6	3.5	-2.2	-0.4	
May	3.5	8.4	2.8	-2.0	-	
Jun	4.1	4.1	2.5	-1.7	-0.2	
Jul	5.4	7.0	0.4	-1.3	-0.5	
Aug	5.2	7.3	1.7	-1.4	-0.8	
Sep	2.7	5.3	2.7	-1.3	-0.4	
Oct	3.5	4.0	3.2	-1.3	0.1	
Nov	5.1	7.1	3.7	-1.3	0.2	
Dec	4.4	7.4	3.9	-1.3	0.1	

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continued

Industry components (SIC2007)					
Component	Other professional service activities 69-71	Other professional scientific and technical activities 73-75	Administrative and support service activities 77-82	Public admin and defence; compulsory social security 84	Education 85
2013 weights	67	18	59	66	80

Percentage change, latest month on previous month

	KFX5	KFX9	S237	S23F	S23H
2014 Dec	-0.2	-0.4	1.7	-0.2	0.2
2015 Jan	-0.4	0.4	-0.7	-0.5	0.1
Feb	-	-2.6	0.2	-0.2	0.1
Mar	0.1	1.9	2.1	-0.3	0.1
Apr	1.4	-6.2	-0.7	-0.3	-
May	0.9	3.3	-1.0	-0.4	0.1
Jun	0.2	2.7	1.3	-0.5	0.1
Jul	-0.9	-1.6	2.3	-0.5	0.1
Aug	-	-1.0	-0.8	-	0.2
Sep	2.6	1.9	0.7	-0.1	-
Oct	-0.3	2.5	-0.5	-0.1	-0.2
Nov	-	-0.9	-0.1	-0.1	0.1
Dec	-0.1	1.6	-0.7	-0.1	0.2
2016 Jan	-1.8	0.2	0.6	-0.2	0.2
Feb	1.7	-2.5	0.6	-0.1	-0.1
Mar	1.2	-1.5	-0.3	-0.2	-0.7
Apr	1.4	4.9	1.3	-0.2	-0.4
May	-0.5	2.2	-1.6	-0.2	0.5
Jun	0.8	-1.4	1.1	-0.1	-
Jul	0.4	1.1	0.1	-0.1	-0.2
Aug	-0.2	-0.8	0.5	-	-0.1
Sep	0.2	-	1.6	-	0.4
Oct	0.4	1.4	-	-0.1	0.2
Nov	1.5	2.0	0.4	-	0.2
Dec	-0.8	1.9	-0.5	-0.1	0.1

Percentage change, latest 3 months on same 3 months a year ago

	KFO8	KFO4	S2HB	S2HJ	S2HL
2014 Dec	9.3	8.1	8.1	-0.8	1.4
2015 Jan	8.7	10.7	7.3	-1.0	1.4
Feb	7.8	8.9	7.6	-1.3	1.4
Mar	5.8	7.0	7.4	-1.5	1.3
Apr	5.4	2.0	7.0	-1.8	1.0
May	5.6	1.1	5.8	-2.0	0.8
Jun	5.9	0.9	4.6	-2.3	0.6
Jul	5.2	1.8	4.3	-2.6	0.5
Aug	4.3	1.1	4.8	-2.9	0.5
Sep	4.6	0.7	5.1	-3.1	0.5
Oct	4.2	3.1	4.5	-3.1	0.6
Nov	4.0	2.7	4.4	-3.1	0.7
Dec	3.3	2.5	3.3	-3.0	0.7
2016 Jan	3.1	0.8	3.4	-2.8	0.8
Feb	3.3	1.4	3.1	-2.6	0.8
Mar	3.7	0.2	2.9	-2.4	0.5
Apr	4.7	2.9	2.9	-2.3	0.1
May	4.5	5.2	2.5	-2.2	-0.2
Jun	4.2	7.3	2.9	-2.0	-0.2
Jul	4.3	6.5	1.9	-1.7	-0.3
Aug	4.9	6.1	1.5	-1.5	-0.5
Sep	4.4	6.5	1.6	-1.4	-0.6
Oct	3.8	5.5	2.5	-1.3	-0.4
Nov	3.8	5.5	3.2	-1.3	-
Dec	4.4	6.2	3.6	-1.3	0.1

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continued

Industry components (SIC2007)					
	Other professional service activities	Other professional scientific and technical activities	Administrative and support service activities	Public admin and defence; compulsory social security	Education
Component	69-71	73-75	77-82	84	85
2013 weights	67	18	59	66	80

Percentage change, latest 3 months on previous 3 months

	KFP2	KFQ6	S2CL	S2CT	S2CV
2014 Dec	2.6	1.6	1.1	-0.3	-0.3
2015 Jan	1.0	4.8	0.7	-0.5	-0.1
Feb	-0.1	2.3	0.9	-0.8	0.2
Mar	-0.7	0.9	0.8	-1.0	0.3
Apr	0.2	-3.3	1.5	-0.9	0.3
May	1.3	-2.9	1.2	-0.9	0.2
Jun	2.2	-2.9	0.6	-1.0	0.2
Jul	1.8	0.8	0.9	-1.2	0.3
Aug	0.7	1.3	1.7	-1.1	0.4
Sep	0.5	1.1	2.5	-0.9	0.4
Oct	1.1	0.9	1.4	-0.5	0.2
Nov	2.1	2.1	0.5	-0.3	-
Dec	1.3	3.4	-0.6	-0.2	-0.1
2016 Jan	-	2.5	-0.5	-0.2	0.1
Feb	-0.8	1.0	-0.3	-0.3	0.2
Mar	-0.3	-1.3	0.4	-0.4	0.1
Apr	1.7	-1.3	1.0	-0.5	-0.5
May	2.5	0.7	0.6	-0.6	-0.8
Jun	2.6	3.9	0.6	-0.6	-0.5
Jul	1.5	4.4	-0.1	-0.5	-0.1
Aug	1.1	2.1	0.7	-0.4	-
Sep	0.7	0.4	1.2	-0.2	-
Oct	0.6	-	2.0	-0.1	0.1
Nov	1.0	1.4	2.1	-0.1	0.5
Dec	1.3	3.1	1.3	-0.1	0.6

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IOSCOMP

IOS: Index of Services
Chained volume indices of gross value added^{1,2,3}

seasonally adjusted 2013 = 100

continued

Industry components (SIC2007)				
Component	Human health and social work activities 86-88	Arts, entertainment and recreation 90-93	Other service activities 94-96	Activities of households as employers 97
2013 weights	93	18	27	5
	S2MC	S2MG	S2ML	S2MQ
2012	97.5	103.6	99.5	98.0
2013	100.0	100.0	100.0	100.0
2014	102.0	102.2	111.3	94.6
2015	103.6	101.9	114.8	94.8
2016	107.0	103.6	121.8	106.3
2014 Dec	102.2	102.3	114.2	88.8
2015 Jan	101.7	99.4	112.7	88.9
Feb	101.5	102.8	114.0	90.0
Mar	102.0	102.6	113.4	92.9
Apr	102.8	102.6	112.7	94.6
May	103.5	101.8	113.0	95.5
Jun	104.0	101.4	114.4	94.1
Jul	104.1	101.7	114.5	91.6
Aug	104.2	100.1	114.4	91.3
Sep	104.4	102.4	115.5	95.0
Oct	104.9	100.5	115.9	97.4
Nov	105.1	101.6	117.8	101.7
Dec	105.3	106.4	119.4	104.7
2016 Jan	105.9	102.5	119.2	104.1
Feb	106.4	100.9	120.4	103.2
Mar	106.5	101.1	121.2	104.2
Apr	106.6	101.4	121.8	105.6
May	106.6	103.3	121.1	105.8
Jun	106.7	104.9	121.3	104.8
Jul	106.9	105.7	122.5	106.4
Aug	107.2	102.7	123.7	107.7
Sep	107.4	104.9	122.8	106.3
Oct	107.7	104.3	122.2	107.9
Nov	107.9	105.3	122.6	109.1
Dec	108.1	106.9	122.5	111.0
Percentage change, latest year on previous year				
	S23I	S23M	S23R	S23W
2012	3.7	6.0	-3.3	5.3
2013	2.5	-3.5	0.5	2.0
2014	2.0	2.2	11.3	-5.4
2015	1.6	-0.2	3.1	0.3
2016	3.2	1.7	6.1	12.2
Percentage change, latest month on same month a year ago				
	S288	S28C	S28H	S28M
2014 Dec	1.6	1.7	13.9	-10.7
2015 Jan	0.6	-2.8	7.9	-14.1
Feb	0.3	-0.2	8.0	-13.9
Mar	0.7	-1.0	5.2	-9.5
Apr	1.3	-0.4	2.8	-6.9
May	1.8	-1.4	0.9	-1.8
Jun	2.1	-1.0	2.8	3.2
Jul	1.8	-1.4	1.3	1.2
Aug	1.6	-1.9	1.0	2.3
Sep	1.6	1.2	1.2	7.9
Oct	1.7	-0.3	-0.3	10.5
Nov	2.2	2.5	3.4	13.9
Dec	3.1	4.1	4.5	17.9
2016 Jan	4.1	3.1	5.7	17.1
Feb	4.8	-1.9	5.6	14.6
Mar	4.4	-1.5	6.9	12.2
Apr	3.7	-1.2	8.1	11.6
May	3.0	1.5	7.2	10.7
Jun	2.6	3.5	6.0	11.5
Jul	2.7	4.0	7.1	16.2
Aug	2.8	2.7	8.1	18.0
Sep	2.8	2.4	6.3	11.9
Oct	2.6	3.8	5.4	10.8
Nov	2.6	3.6	4.1	7.2
Dec	2.7	0.4	2.7	6.1

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seasonally adjusted 2013 = 100

continued

Industry components (SIC2007)				
Component	Human health and social work activities 86-88	Arts, entertainment and recreation 90-93	Other service activities 94-96	Activities of households as employers 97
2013 weights	93	18	27	5

Percentage change, latest month on previous month

	S23I	S23M	S23R	S23W
2014 Dec	-0.7	3.1	0.3	-0.6
2015 Jan	-0.5	-2.8	-1.4	0.1
Feb	-0.2	3.4	1.2	1.3
Mar	0.4	-0.2	-0.6	3.2
Apr	0.8	-0.1	-0.6	1.9
May	0.8	-0.8	0.3	0.9
Jun	0.4	-0.4	1.2	-1.5
Jul	0.2	0.2	0.1	-2.6
Aug	0.1	-1.6	-	-0.3
Sep	0.2	2.3	1.0	4.1
Oct	0.5	-1.9	0.3	2.5
Nov	0.2	1.2	1.6	4.5
Dec	0.2	4.7	1.4	2.9
2016 Jan	0.6	-3.7	-0.2	-0.5
Feb	0.4	-1.6	1.0	-0.9
Mar	0.1	0.2	0.7	1.0
Apr	0.1	0.3	0.5	1.3
May	-	1.9	-0.6	0.2
Jun	0.1	1.6	0.1	-0.9
Jul	0.2	0.7	1.0	1.5
Aug	0.2	-2.8	1.0	1.2
Sep	0.2	2.1	-0.8	-1.3
Oct	0.3	-0.5	-0.5	1.5
Nov	0.2	0.9	0.4	1.1
Dec	0.2	1.5	-	1.8

Percentage change, latest 3 months on same 3 months a year ago

	S2HM	S2HQ	S2HV	S2I2
2014 Dec	2.3	-0.7	13.5	-13.4
2015 Jan	1.5	-0.9	11.4	-13.1
Feb	0.9	-0.5	9.8	-12.9
Mar	0.5	-1.3	7.0	-12.5
Apr	0.8	-0.5	5.3	-10.1
May	1.3	-0.9	3.0	-6.1
Jun	1.7	-0.9	2.2	-2.0
Jul	1.9	-1.3	1.7	0.8
Aug	1.8	-1.4	1.7	2.2
Sep	1.7	-0.7	1.1	3.8
Oct	1.6	-0.3	0.6	6.9
Nov	1.8	1.1	1.4	10.8
Dec	2.3	2.1	2.5	14.1
2016 Jan	3.1	3.2	4.5	16.3
Feb	4.0	1.7	5.3	16.5
Mar	4.5	-0.1	6.1	14.6
Apr	4.3	-1.5	6.9	12.7
May	3.7	-0.4	7.4	11.5
Jun	3.1	1.2	7.1	11.3
Jul	2.8	3.0	6.7	12.8
Aug	2.7	3.4	7.1	15.2
Sep	2.8	3.0	7.2	15.3
Oct	2.8	3.0	6.6	13.5
Nov	2.7	3.3	5.2	9.9
Dec	2.6	2.5	4.0	8.0

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Industry components (SIC2007)				
	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers
Component	86-88	90-93	94-96	97
2013 weights	93	18	27	5

Percentage change, latest 3 months on previous 3 months

	S2CW	S2D2	S2D7	S2DC
2014 Dec	0.2	-1.3	1.1	-0.6
2015 Jan	-0.5	-1.0	-0.9	0.6
Feb	-1.1	1.1	-1.0	0.8
Mar	-1.0	0.9	-1.3	2.1
Apr	-0.2	2.4	-0.2	3.9
May	0.9	0.8	-0.5	5.7
Jun	1.7	0.3	-	4.5
Jul	1.8	-1.0	0.5	1.3
Aug	1.3	-1.3	1.2	-2.1
Sep	0.8	-0.5	1.3	-2.2
Oct	0.6	-0.6	1.2	0.9
Nov	0.7	0.5	1.7	6.2
Dec	0.8	1.5	2.5	9.3
2016 Jan	0.9	2.5	3.0	9.5
Feb	1.0	1.7	2.8	6.1
Mar	1.1	-1.3	2.2	2.5
Apr	1.0	-2.3	2.0	0.8
May	0.7	-1.3	1.5	1.1
Jun	0.4	1.7	1.0	1.5
Jul	0.3	3.5	0.4	1.3
Aug	0.3	2.5	0.9	1.1
Sep	0.5	1.2	1.3	1.4
Oct	0.6	-0.6	1.0	1.6
Nov	0.7	0.3	-	1.4
Dec	0.7	1.0	-0.5	2.4

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