

Statistical bulletin

Index of Services, UK: July 2017

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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Table of contents

1. [Main points](#)
2. [Things you need to know about this release](#)
3. [Index of Services \(IoS\) main figures and the longer-term trend](#)
4. [Month-on-month services growth decreased in July 2017](#)
5. [Three-month on three-month services growth increased in July 2017](#)
6. [Three-month services growth on a year ago](#)
7. [What is the contribution of services to gross domestic product?](#)
8. [Links to related statistics](#)
9. [What's changed in this release?](#)
10. [Upcoming changes](#)
11. [Feedback on this bulletin](#)
12. [Quality and methodology](#)

1 . Main points

- The Index of Services decreased by 0.2% between June and July 2017.
- The largest contribution to the month-on-month decrease came from the transport, storage and communication sector, which contributed negative 0.22 percentage points
- The industry largely responsible for the fall on the month was motion pictures, which contributed negative 0.19 percentage points; this decrease follows a particularly strong June for the industry.
- In the three months to July 2017, services output increased by 0.5% compared with the three months ending April 2017; this is the highest three-month on three-month estimate in 2017 so far.
- In the three months on a year ago to July 2017, services output increased by 1.8% compared with the three months on a year ago ending July 2016.
- In this release of data, the earliest period open to revision is January 1997 as this dataset contains the annual updates that will be included in the Blue Book 2017 due to be published on 31 October 2017 (the reference year and last base year for the index have been moved to 2015).

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 79.3% of UK GDP in 2015.

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.

The IoS is an important economic indicator and one of the earliest short-term measures of economic activity. It is used in the compilation of the national accounts and widely used by private and public sector institutions, particularly by the Bank of England and Her Majesty's Treasury to assist in informed decision- and policy-making.

Data relating to the retail industry are broadly comparable with [Retail sales in Great Britain: July 2017](#), published on 17 August 2017.

This July 2017 release contains revisions from January 1997 due to the Blue Book 2017 updates. Sources of these revisions include but are not limited to:

- updates to the annual gross value added (GVA) weights
- improved statistical methods
- alignment to gross domestic product (GDP) annual growths
- revisions to seasonal adjustment factors, which are re-estimated every month and reviewed annually
- late responses to surveys and administrative sources
- forecasts being replaced by actual data

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

The UK Index of Services has 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 the Index of Services (IoS) and each of the main components for July 2017.

Table 1: Index of Services main figures, July 2017

UK	Percentage Change					
	Percentage of Services ¹	Index number (2015 = 100)	Most recent month on a year earlier	Most recent 3 months on a year earlier	Most recent month on previous month	Most recent 3 months on previous 3 months
Index of Services	100.0	104.0	1.5	1.8	-0.2	0.5
Distribution, hotels and restaurants	17.3	107.8	3.5	3.1	0.0	0.7
Transport, storage and communication	13.2	105.6	1.0	3.0	-1.6	0.9
Business services and finance	41.5	103.2	1.4	1.5	0.0	0.5
Government and other services	28.1	102.3	0.6	0.9	0.0	0.2

Source: Office for National Statistics

Notes:

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

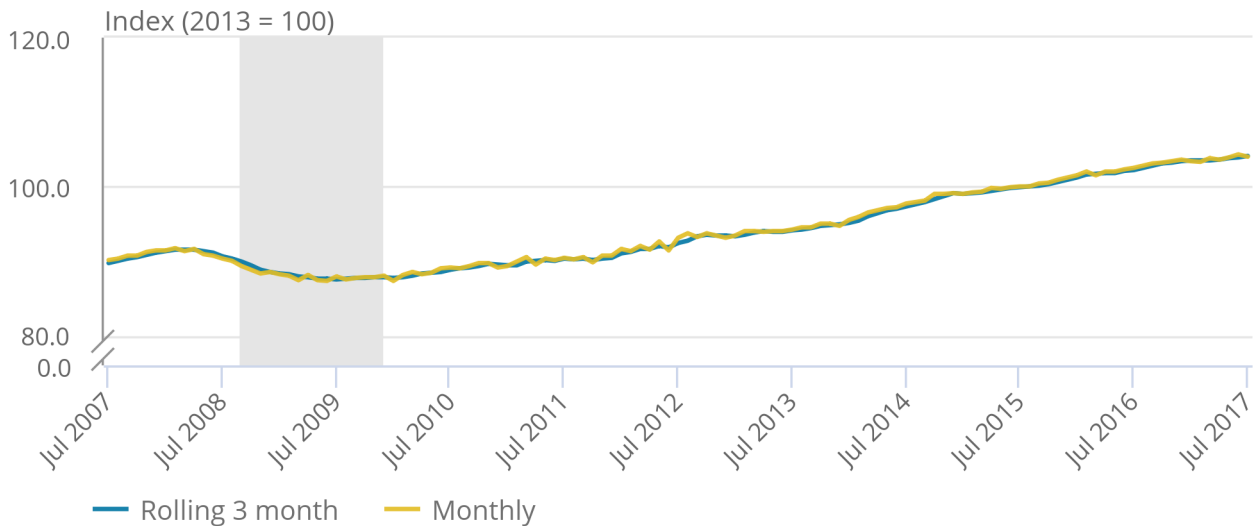
Figure 1 shows the seasonally adjusted index time series for the IoS over the past decade; this shows continued services growth following the economic downturn. The monthly IoS series can be volatile and therefore we recommend that monthly growths are viewed in the context of the longer-term trend and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

Figure 1: Seasonally adjusted Index of Services, July 2007 to July 2017

UK

Figure 1: Seasonally adjusted Index of Services, July 2007 to July 2017

UK



Source: Office for National Statistics

4 . Month-on-month services growth decreased in July 2017

During July 2017, services output decreased by 0.2% following a rise of 0.3% in June 2017.

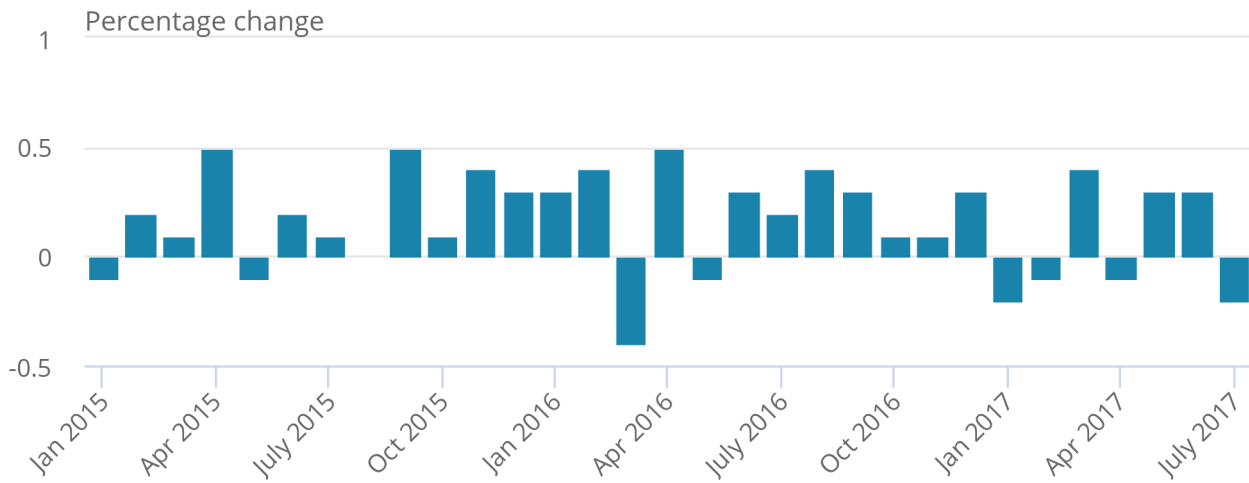
Figure 2 shows the pattern of Index of Services (IoS) headline growth rates since January 2015 and Figure 3 shows the month-on-month contributions of each of the main IoS components.

Figure 2: Index of Services headline growth rates from January 2015 to July 2017

UK

Figure 2: Index of Services headline growth rates from January 2015 to July 2017

UK



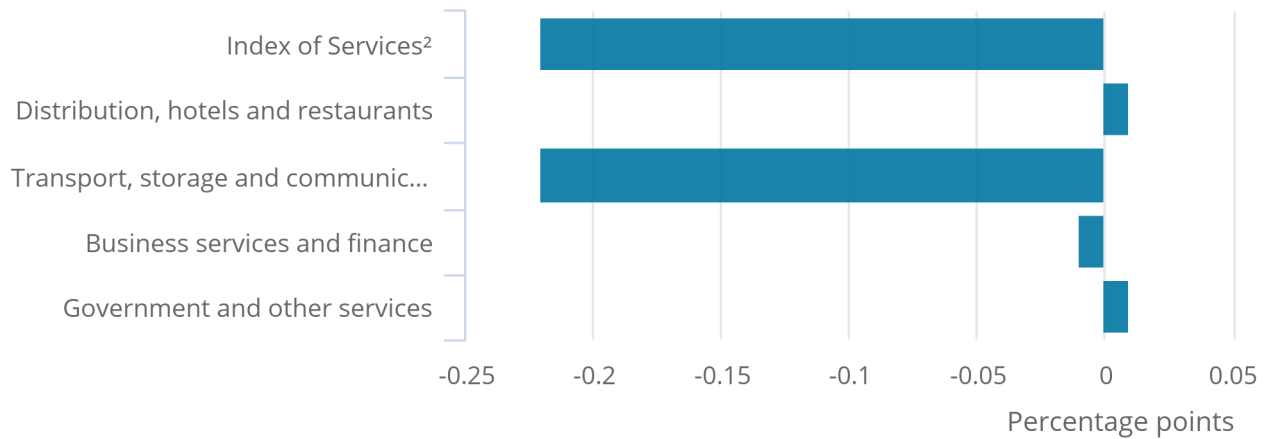
Source: Office for National Statistics

Figure 3: Contributions¹ to growth in services between June 2017 and July 2017

UK

Figure 3: Contributions¹ to growth in services between June 2017 and July 2017

UK



Source: Office for National Statistics

Notes:

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

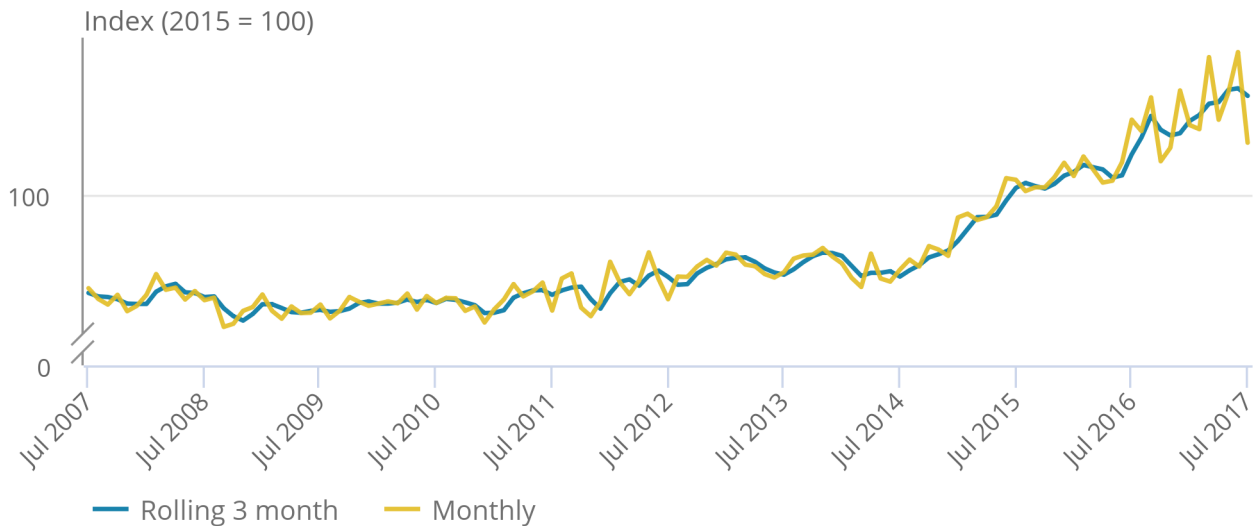
The main sector that applied downward pressure to the month-on-month growth was transport, storage and communication, which fell by 1.6%, contributing negative 0.22 percentage points. The industry within this sector that was almost entirely responsible for this fall was motion pictures, which fell by 19.8%, contributing negative 0.19 percentage points. This decrease in motion pictures follows on from a particularly strong June for the industry. Further information on the films in June and July 2017 can be found on the [British Film Institute \(BFI\) website](#).

Figure 4: Seasonally adjusted Index of motion pictures output, July 2007 to July 2017

UK

Figure 4: Seasonally adjusted Index of motion pictures output, July 2007 to July 2017

UK



Source: Office for National Statistics

The other three main components of the services industries were flat over the same period.

In order of their contribution to growth, other industries contributing to the decrease of 0.2% in July 2017 were:

- wholesale trade, which decreased by 1.2%, contributing negative 0.05 percentage points (please see the What's changed in this release? section for changes impacting this industry)
- office administration, which decreased by 1.9%, contributing negative 0.03 percentage points
- travel agencies, which decreased by 3.1%, contributing negative 0.03 percentage points
- other professional, scientific and technical activities, which decreased by 3.2%, contributing negative 0.03 percentage points

In contrast, industries that partially offset some of the negative growth were:

- telecommunications, which increased by 2.1%, contributing 0.05 percentage points
- employment activities, which increased by 2.1%, contributing 0.03 percentage points
- accommodation, which increased by 2.9%, contributing 0.03 percentage points
- food and beverage services, which increased by 0.9%, contributing 0.03 percentage points.

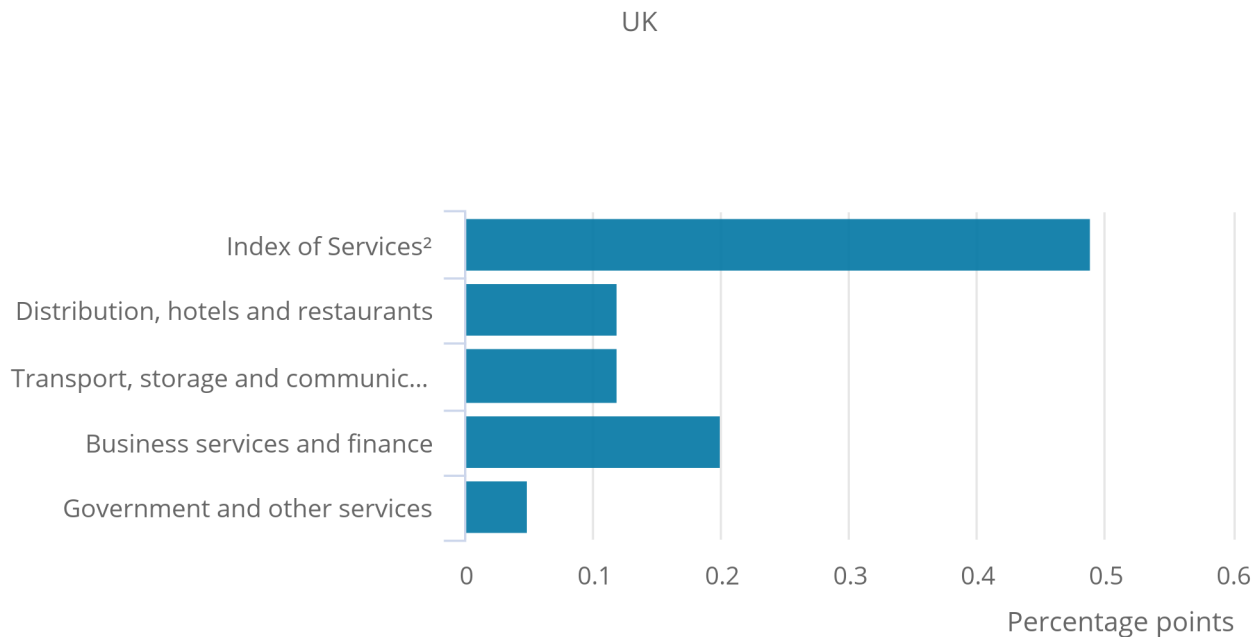
5 . Three-month on three-month services growth increased in July 2017

Figure 5 shows that services output increased by 0.5% in the three months ending July 2017 when compared with the three months ending April 2017, making this the highest three-month on three-month growth in 2017 so far. Despite the fall in the month of July, the underlying trend in services is still one of steady growth.

Figure 5: Contributions¹ to growth in services during most recent 3 months compared with previous 3 months

UK

Figure 5: Contributions¹ to growth in services during most recent 3 months compared with previous 3 months



Source: Office for National Statistics

Notes:

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

All of the four main components of the services industries increased in the three months ending July 2017. In order of their contribution to growth:

- business services and finance increased by 0.5%, contributing 0.20 percentage points
- transport, storage and communication increased by 0.9%, contributing 0.12 percentage points
- distribution, hotels and restaurants increased by 0.7%, contributing 0.12 percentage points
- government and other services increased by 0.2%, contributing 0.05 percentage points

The main sector driving Index of Services (IoS) growth is business services and finance, with accounting activities increasing by 3.3%, contributing 0.05 percentage points. In addition, advertising activities, other professional, scientific and technical activities, and financial service activities each contributed 0.03 percentage points, increasing by 3.4%, 3.5% and 0.5% respectively.

Computer programming was the largest industry contributing to the positive growth in the transport, storage and communications sector, increasing by 2.1% and contributing 0.07 percentage points. Also, telecommunications and postal and courier activities each contributed 0.03 percentage points, increasing by 1.3% and 3.0% respectively.

Making up 6.9% of IoS, retail trade was the largest industry contributing to the positive growth in the distribution, hotels and restaurants sector, increasing by 0.6% and contributing 0.04 percentage points. Please see the [Retail sales in Great Britain: July 2017](#) release for more information. In addition, wholesale trade and motor trades each contributed 0.03 percentage points to growth, increasing by 0.8% and 1.1% respectively.

Human health activities, another large weighted industry that also represents 6.9% of IoS, was the largest industry contributing to the positive growth in the government and other services sector, increasing by 0.5% and contributing 0.04 percentage points. Other personal services offset this, decreasing by 2.9%, contributing negative 0.04 percentage points.

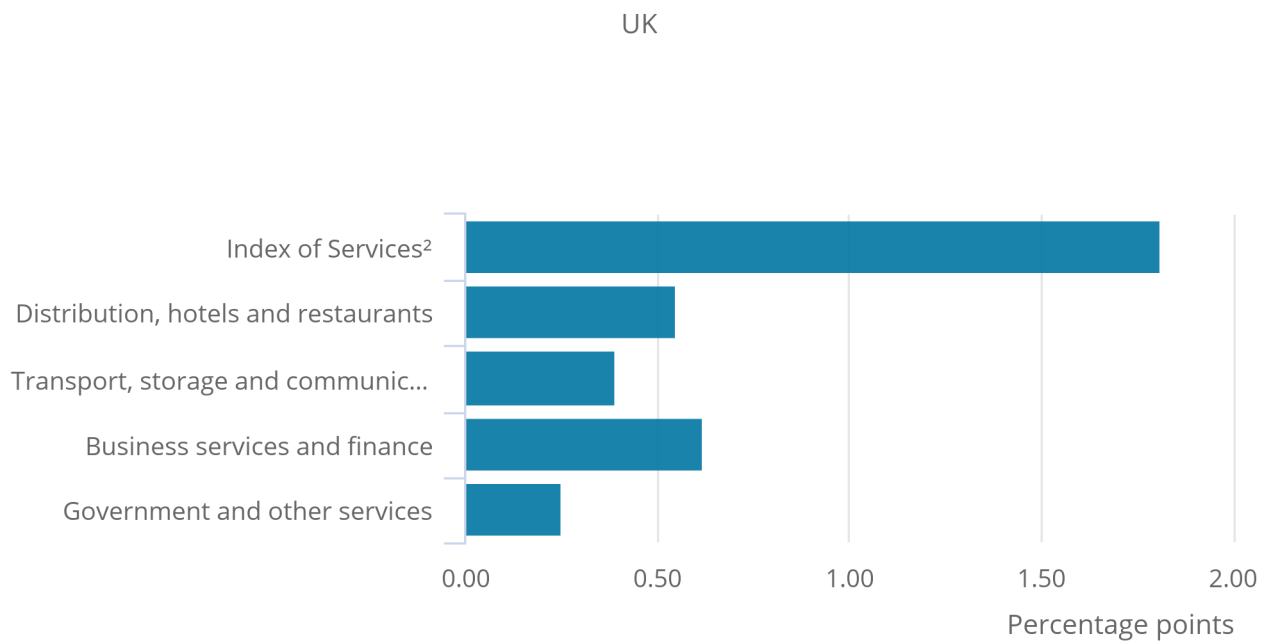
6 . Three-month services growth on a year ago

In the three months on a year ago to July 2017, services output increased by 1.8% compared with July 2016; this is in line with the average for this estimate since February 2017.

Figure 6: Contributions¹ to growth in services in most recent 3 months compared with the same 3 months a year ago

UK

Figure 6: Contributions¹ to growth in services in most recent 3 months compared with the same 3 months a year ago



Source: Office for National Statistics

Notes:

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

All four of the main components of the services industries increased in the most recent three months compared with the same three months a year ago. In order of their contribution to growth:

- business services and finance increased by 1.5%, contributing 0.62 percentage points
- distribution hotels and restaurants increased by 3.1%, contributing 0.55 percentage points
- transport, storage and communication increased by 3.0%, contributing 0.39 percentage points
- government and other services increased by 0.9%, contributing 0.25 percentage points

The main industry contributing to the services growth is food and beverage services which increased by 6.4% and contributed 0.18 percentage points.

Other industries contributing to the 1.8% rise in July were:

- wholesale trade, which increased by 3.7%, contributing 0.16 percentage points
- financial service activities, which increased by 2.8%, contributing 0.14 percentage points
- computer programming, which increased by 4.6%, contributing 0.14 percentage points.

7 . What is the contribution of services to gross domestic product?

With a weight of 79.3% in 2015, the services industries are the largest industrial grouping in the output approach to measuring gross domestic product (GDP).

Also published today (29 September 2017) is the [Quarterly National Accounts: April to June 2017](#), reporting that GDP in Quarter 2 (Apr to June) 2017 increased by 0.3% compared with the previous quarter. The services aggregate was the dominant contributor to the quarter-on-quarter percentage change in GDP, contributing 0.34 percentage points. Production and construction contributed negative percentage points of 0.04 and 0.03 respectively. Agriculture contributed 0.00 percentage points to the headline figure.

8 . Links to related statistics

The [response rates](#) and [revisions](#) tables can be found in the main datasets.

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

Methods and sources

The gross domestic product output approach (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 (IoS) is difficult, as most comparable economies don't produce equivalent estimates. [Eurostat turnover in services estimates](#) are not comparable with the IoS, as they exclude the wholesale and retail trade; furthermore, most of the estimates are only available quarterly. The [US Bureau of Economic Analysis](#) also produces services output estimates, but only on a quarterly basis, with a four-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](#).

9 . What's changed in this release?

This July 2017 release contains revisions from January 1997. This will be in line with the open revision period for the 2017 Blue Book publication on 31 October 2017. The estimates will also be consistent with the Quarterly National Accounts published on 29 September 2017. These annual changes will include updating the reference year from 2013 equals 100 to 2015 equals 100, along with adding an additional two years of chain-linking weights for 2015.

In this release, the Monthly Business Survey, which accounts for approximately 45% of IoS and underpins the current prices data feeding into this release, contains new imputation methodology for survey non-response back to January 2016. Previously, for respondents that did not return data in a month, the value was imputed using a ratio imputation method called the mean of ratios. The new method, referred to as the ratio of means, is more stable and reduces imputation bias. We have published an [article detailing the impact](#) alongside this bulletin.

This bulletin contains significant revisions to the wholesale industry SIC46 from January 2017 from the Monthly Business Survey and reflected in the [Turnover in production and services industries](#) dataset. This however has not had an impact on the Index of Services. This is due to the reclassification of several businesses from SIC4671, wholesale of solid, liquid and gaseous fuels and related products, to the financial services sector where we confirmed that the overwhelming activity of the business was in financial trading. The impact of the reclassification was to reduce nominal turnover for January 2017 by approximately 12 billion but this has not had an impact on the output of the wholesale industry.

Normally the reclassification of a business would deliver a decrease in turnover for one industry and an increase in turnover for another, producing a potential impact on the turnover series and growth rates for each industry. However, in this instance the reclassification has been complicated by the move to the financial sector where the activity has already been recorded. In addition turnover is not the accepted means by which output is measured. Output in the financial sector is conceptually different to the rest of the economy and is better measured by, for example, fees and charges for direct output, and financial intermediation services indirectly measured (FISIM) for indirect output. Accordingly we have linked the series for industry 4671 from January 2017 to ensure that there has been no consequential impact on output.

10 . Upcoming changes

We launched a public [consultation](#), which closed on 14 September 2017, to seek views on an alternative model for our publications of gross domestic product (GDP) estimates. In summary, this model would give two balanced estimates of quarterly GDP using data from the output, income and expenditure approaches around 6 and 13 weeks after the end of the preceding quarter. The Index of Services publication date would be moved two weeks earlier and become part of the short-term economic indicator theme day, enabling a monthly GDP estimate to be produced. A response to this consultation will be published in October.

[VAT turnover implementation into National Accounts: June Update](#) was published on 1 June 2017. This update explains that the first use of VAT in the national accounts will be in the Quarterly National Accounts (July to September) 2017 and the Index of Services: October 2017 bulletins, which are both due for publication on 22 December 2017.

11 . Feedback on this bulletin

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

12 . 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 (gross domestic product output approach (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 (MBS) response rates (current and historic)
- IoS and main component indices to four decimal places
- publication tables
- revisions triangles
- lower-level time series data

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

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

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	
2015 weights	1000	173	132	415	281	
	S2KU	S2MV	K17B	K17L	K17T	
2012	92.6	88.2	92.1	91.9	96.4	
2013	94.3	91.2	93.6	94.1	96.7	
2014	97.5	95.5	96.2	97.7	99.1	
2015	100.0	100.0	100.0	100.0	100.0	
2016	102.5	105.1	104.1	101.7	101.3	
2015 Jul	100.0	100.3	100.5	99.8	99.8	
Aug	100.0	99.6	101.0	100.0	99.7	
Sep	100.4	100.8	100.1	100.6	100.0	
Oct	100.5	100.9	100.4	100.6	100.1	
Nov	100.9	101.4	101.4	100.7	100.6	
Dec	101.2	102.2	101.4	100.9	101.1	
2016 Jan	101.5	103.4	102.8	100.8	100.9	
Feb	102.0	103.4	102.8	101.5	101.3	
Mar	101.5	103.4	101.6	101.1	100.9	
Apr	102.0	103.6	103.1	101.8	100.9	
May	102.0	104.5	102.2	101.4	101.1	
Jun	102.3	104.4	103.0	101.7	101.3	
Jul	102.5	104.1	104.6	101.7	101.6	
Aug	102.8	105.6	105.2	101.9	101.5	
Sep	103.1	106.3	105.8	102.1	101.5	
Oct	103.2	107.3	105.5	102.0	101.5	
Nov	103.4	107.5	104.9	102.3	101.6	
Dec	103.6	107.2	107.2	102.3	101.7	
2017 Jan	103.4	105.8	104.6	103.0	102.0	
Feb	103.3	106.8	104.4	102.6	101.8	
Mar	103.8	106.6	106.2	102.9	102.1	
Apr	103.6	107.1	105.5	102.5	102.3	
May	103.9	107.3	106.0	103.1	102.2	
Jun	104.3	107.7	107.3	103.2	102.2	
Jul	104.0	107.8	105.6	103.2	102.3	
Percentage change, latest year on previous year						
	S222	S243	K177	K17G	K17O	
2012	2.7	1.7	2.2	3.7	2.0	
2013	1.9	3.4	1.7	2.4	0.4	
2014	3.4	4.7	2.7	3.8	2.4	
2015	2.6	4.7	4.0	2.4	0.9	
2016	2.5	5.1	4.1	1.7	1.3	
Percentage change, latest month on same month a year ago						
	S26Q	S28R	K17A	K17I	K17Q	
2015 Jul	2.3	5.2	4.3	1.7	0.6	
Aug	2.1	3.7	4.3	2.0	0.3	
Sep	2.4	4.5	3.0	2.6	0.5	
Oct	1.5	4.2	1.3	1.5	-0.2	
Nov	1.9	3.6	3.0	1.6	0.7	
Dec	2.2	4.0	3.4	1.5	1.4	
2016 Jan	2.5	5.5	4.4	1.4	1.5	
Feb	2.7	4.7	3.8	2.3	1.6	
Mar	2.2	4.3	3.2	1.7	1.3	
Apr	2.2	4.0	4.0	1.9	0.8	
May	2.3	5.2	2.5	1.8	1.1	
Jun	2.4	4.5	2.7	2.0	1.4	
Jul	2.5	3.8	4.0	1.9	1.8	
Aug	2.9	6.1	4.1	1.9	1.8	
Sep	2.7	5.5	5.7	1.4	1.5	
Oct	2.7	6.3	5.1	1.3	1.4	
Nov	2.4	5.9	3.5	1.6	1.0	
Dec	2.4	4.9	5.7	1.4	0.6	
2017 Jan	1.8	2.3	1.7	2.2	1.1	
Feb	1.4	3.3	1.5	1.1	0.5	
Mar	2.2	3.1	4.5	1.7	1.2	
Apr	1.6	3.4	2.3	0.7	1.4	
May	1.9	2.7	3.7	1.6	1.1	
Jun	2.0	3.1	4.2	1.5	0.9	
Jul	1.5	3.5	1.0	1.4	0.6	

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](#)

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
2015 weights	1000	173	132	415	281

Percentage change, latest month on previous month

	S222	S243	KI77	KI7G	KI7O
2015 Jul	0.1	0.4	0.2	0.1	-0.1
Aug	-0.1	-0.8	0.5	0.1	-0.2
Sep	0.5	1.2	-0.9	0.7	0.4
Oct	0.1	0.2	0.3	-	-
Nov	0.4	0.5	0.9	0.1	0.5
Dec	0.3	0.7	0.1	0.1	0.5
2016 Jan	0.3	1.2	1.4	-0.1	-0.2
Feb	0.4	-0.1	-	0.7	0.4
Mar	-0.4	-	-1.2	-0.4	-0.4
Apr	0.5	0.2	1.4	0.6	-
May	-0.1	0.8	-0.9	-0.4	0.2
Jun	0.3	-	0.8	0.3	0.2
Jul	0.2	-0.3	1.5	-	0.3
Aug	0.4	1.4	0.6	0.1	-0.1
Sep	0.3	0.7	0.5	0.2	-
Oct	0.1	0.9	-0.2	-0.1	-
Nov	0.1	0.2	-0.6	0.3	0.1
Dec	0.3	-0.3	2.2	-	0.1
2017 Jan	-0.2	-1.3	-2.5	0.7	0.3
Feb	-0.1	0.9	-0.2	-0.4	-0.2
Mar	0.4	-0.2	1.8	0.3	0.2
Apr	-0.1	0.5	-0.7	-0.4	0.2
May	0.3	0.1	0.5	0.5	-
Jun	0.3	0.4	1.3	0.2	-
Jul	-0.2	-	-1.6	-	-

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

	S2G6	S2I7	KI7C	KI7J	KI7R
2015 Jul	2.6	4.9	4.5	2.1	1.0
Aug	2.4	4.7	4.4	2.0	0.7
Sep	2.3	4.5	3.9	2.1	0.5
Oct	2.0	4.2	2.9	2.0	0.2
Nov	1.9	4.1	2.4	1.9	0.3
Dec	1.8	4.0	2.6	1.5	0.6
2016 Jan	2.2	4.4	3.6	1.5	1.2
Feb	2.5	4.7	3.9	1.7	1.5
Mar	2.5	4.8	3.8	1.8	1.5
Apr	2.4	4.3	3.7	2.0	1.2
May	2.2	4.5	3.2	1.8	1.1
Jun	2.3	4.6	3.1	1.9	1.1
Jul	2.4	4.5	3.1	1.9	1.4
Aug	2.6	4.8	3.6	1.9	1.7
Sep	2.7	5.1	4.6	1.7	1.7
Oct	2.8	6.0	4.9	1.5	1.6
Nov	2.6	5.9	4.7	1.5	1.3
Dec	2.5	5.7	4.8	1.5	1.0
2017 Jan	2.2	4.4	3.6	1.7	0.9
Feb	1.9	3.5	2.9	1.6	0.7
Mar	1.8	2.9	2.6	1.7	1.0
Apr	1.7	3.3	2.8	1.2	1.0
May	1.9	3.1	3.5	1.3	1.2
Jun	1.8	3.1	3.4	1.3	1.1
Jul	1.8	3.1	3.0	1.5	0.9

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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	
2015 weights	1000	173	132	415	281	
Percentage change, latest 3 months on previous 3 months						
	S2BG	S2DH	KI7D	KI7K	KI7S	
2015 Jul	0.4	0.7	1.3	0.2	0.1	
Aug	0.4	0.6	1.5	0.2	-0.1	
Sep	0.4	0.6	0.9	0.4	-0.1	
Oct	0.4	0.6	0.4	0.7	-	
Nov	0.7	1.1	-	0.8	0.4	
Dec	0.7	1.3	0.5	0.6	0.8	
2016 Jan	0.9	1.9	1.3	0.4	1.0	
Feb	1.0	1.9	1.7	0.4	0.9	
Mar	0.8	1.9	1.3	0.4	0.4	
Apr	0.6	1.1	0.6	0.7	0.1	
May	0.3	0.8	-0.1	0.4	-0.2	
Jun	0.4	0.8	0.3	0.5	0.1	
Jul	0.4	0.9	0.7	0.1	0.3	
Aug	0.7	0.9	1.9	0.3	0.5	
Sep	0.7	1.1	2.4	0.2	0.4	
Oct	0.8	2.0	2.2	0.3	0.1	
Nov	0.7	2.2	1.1	0.3	0.1	
Dec	0.6	1.9	0.7	0.3	0.1	
2017 Jan	0.4	0.4	-	0.5	0.3	
Feb	0.2	-0.4	-	0.5	0.3	
Mar	0.1	-0.8	-0.8	0.6	0.4	
Apr	0.1	-	-0.2	0.1	0.3	
May	0.3	0.4	0.5	0.2	0.3	
Jun	0.4	0.9	1.2	0.1	0.3	
Jul	0.5	0.7	0.9	0.5	0.2	

- 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)					
	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
2015 weights	1000	173	132	415	281
	S2KU	S2MV	KI7B	KI7L	KI7T
2012	-5.7	-8.4	-6.2	-6.0	-3.3
2013	-5.7	-8.8	-6.4	-5.9	-3.3
2014	-5.8	-9.3	-6.8	-6.2	-2.6
2015	-6.0	-9.5	-6.8	-6.9	-2.2
2016	-6.5	-10.0	-6.7	-7.8	-2.5
2015 Jun	-6.0	-9.6	-6.9	-6.9	-2.3
Jul	-5.9	-9.5	-6.3	-6.9	-2.4
Aug	-5.8	-9.5	-6.2	-6.6	-2.4
Sep	-6.1	-9.7	-6.8	-6.9	-2.5
Oct	-6.1	-9.7	-7.0	-7.1	-2.4
Nov	-6.1	-9.7	-6.7	-7.2	-2.3
Dec	-6.5	-9.5	-7.9	-7.5	-2.4
2016 Jan	-6.3	-9.5	-6.6	-7.4	-2.6
Feb	-6.0	-9.8	-6.3	-7.1	-2.3
Mar	-6.2	-9.8	-5.9	-7.4	-2.6
Apr	-6.3	-10.1	-6.3	-7.4	-2.6
May	-6.3	-9.7	-6.5	-7.6	-2.5
Jun	-6.4	-10.1	-6.9	-7.7	-2.4
Jul	-6.5	-10.2	-6.9	-8.0	-2.3
Aug	-6.7	-10.0	-7.2	-8.0	-2.4
Sep	-6.7	-10.0	-6.6	-8.1	-2.5
Oct	-6.8	-10.5	-7.1	-8.2	-2.5
Nov	-6.8	-10.5	-7.3	-8.3	-2.6
Dec	-6.9	-10.3	-7.2	-8.2	-2.7
2017 Jan	-6.9	-10.6	-7.3	-8.1	-2.7
Feb	-6.9	-10.8	-7.0	-8.2	-2.8
Mar	-6.8	-10.6	-7.0	-8.2	-2.6
Apr	-7.0	-10.9	-7.0	-8.3	-2.7
May	-7.0	-10.6	-7.4	-8.3	-2.8
Jun	-7.1	-10.6	-7.6	-8.6	-3.0
Percentage change, latest year on previous year					
	S222	S243	KI77	KI7G	KI7O
2012	0.3	0.1	0.1	0.5	0.1
2013	0.1	-0.1	-0.1	0.3	0.1
2014	0.1	-0.1	-0.3	-0.1	0.7
2015	-	0.2	0.3	-0.5	0.4
2016	-0.4	-	0.4	-0.7	-0.3
Percentage change, latest month on same month a year ago					
	S26Q	S28R	KI7A	KI7I	KI7Q
2015 Jun	-	0.2	0.3	-0.6	0.6
Jul	0.1	0.4	1.1	-0.5	0.5
Aug	0.1	0.2	1.3	-0.4	0.3
Sep	0.1	0.2	0.4	-	0.1
Oct	-0.2	0.1	-0.4	-0.3	-0.4
Nov	-0.2	-	-0.2	-0.2	-0.3
Dec	-0.3	0.3	-0.5	-0.5	-0.2
2016 Jan	-0.3	0.3	0.5	-0.6	-0.6
Feb	-0.1	-0.2	0.7	-0.1	-0.3
Mar	-0.1	0.1	1.2	-0.2	-0.4
Apr	-0.6	-0.5	0.5	-0.8	-0.8
May	-0.4	-	0.3	-0.7	-0.4
Jun	-0.2	-	0.2	-0.6	-0.1
Jul	-0.4	-0.3	-0.4	-0.9	0.1
Aug	-0.5	0.2	-0.7	-1.1	0.1
Sep	-0.4	0.2	0.5	-1.1	-
Oct	-0.5	-0.2	0.3	-1.1	-0.1
Nov	-0.6	-0.3	-0.2	-0.9	-0.3
Dec	-0.2	-0.3	1.0	-0.6	-0.2
2017 Jan	-0.5	-0.8	-0.7	-0.5	-0.1
Feb	-0.7	-0.6	-0.6	-0.9	-0.5
Mar	-0.5	-0.4	-0.8	-0.7	-
Apr	-0.5	-0.4	-0.5	-0.8	-
May	-0.6	-0.5	-0.6	-0.6	-0.3
Jun	-0.5	-0.2	-0.3	-0.6	-0.5

The earliest period open for revision is January 1997

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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
2015 weights	1000	173	132	415	281

Percentage change, latest month on previous month

	S222	S243	KI77	KI7G	KI7O
2015 Jun	-0.2	-0.3	-0.2	-0.2	-0.3
Jul	0.1	0.2	0.6	-	-0.1
Aug	-	-0.2	0.1	0.2	-0.2
Sep	-0.1	-	-0.6	-0.1	0.1
Oct	-	0.1	-0.1	-0.1	-
Nov	-	-	0.2	-0.1	0.1
Dec	-0.3	0.1	-1.0	-0.3	-0.1
2016 Jan	0.2	0.1	1.3	-	-0.1
Feb	0.2	-0.3	0.2	0.4	0.3
Mar	-0.2	-	0.3	-0.3	-0.3
Apr	-0.1	-0.2	-0.3	-	-
May	-0.1	0.4	-0.2	-0.2	0.1
Jun	-0.1	-0.2	-0.3	-0.1	0.1
Jul	-0.1	-0.1	-	-0.2	0.1
Aug	-	0.2	-0.1	-0.1	-0.1
Sep	-	0.1	0.4	-0.1	-0.1
Oct	-0.2	-0.4	-0.3	-0.1	-
Nov	-0.1	-	-0.2	-0.1	-0.1
Dec	0.1	0.1	0.2	0.1	-
2017 Jan	-	-0.3	-0.3	0.2	-
Feb	-0.1	-0.1	0.3	-0.1	-
Mar	0.1	0.2	0.1	-	-
Apr	-0.1	-0.2	-	-0.1	-
May	-	0.2	-0.3	-	-0.1
Jun	-0.1	0.1	-	-0.1	-0.2

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

	S2G6	S217	KI7C	KI7J	KI7R
2015 Jun	0.2	0.4	0.6	-0.5	0.9
Jul	0.1	0.3	0.7	-0.6	0.7
Aug	0.1	0.3	0.9	-0.5	0.5
Sep	0.2	0.3	1.0	-0.3	0.4
Oct	-	0.2	0.4	-0.2	-
Nov	-0.1	0.1	-0.1	-0.2	-0.2
Dec	-0.3	0.2	-0.3	-0.4	-0.3
2016 Jan	-0.3	0.3	-0.1	-0.4	-0.3
Feb	-0.2	0.1	0.2	-0.4	-0.4
Mar	-0.1	-	0.8	-0.3	-0.4
Apr	-0.2	-0.2	0.8	-0.3	-0.5
May	-0.4	-0.1	0.6	-0.6	-0.5
Jun	-0.4	-0.1	0.4	-0.7	-0.4
Jul	-0.4	-0.1	0.1	-0.7	-0.2
Aug	-0.4	-	-0.3	-0.9	0.1
Sep	-0.4	-	-0.2	-1.1	0.1
Oct	-0.4	0.1	-	-1.1	0.1
Nov	-0.5	-0.1	0.1	-0.9	-0.1
Dec	-0.4	-0.3	0.4	-0.8	-0.2
2017 Jan	-0.4	-0.4	-	-0.7	-0.2
Feb	-0.4	-0.6	-0.2	-0.6	-0.3
Mar	-0.5	-0.6	-0.6	-0.7	-0.1
Apr	-0.6	-0.4	-0.6	-0.8	-0.2
May	-0.5	-0.4	-0.7	-0.8	-0.1
Jun	-0.5	-0.4	-0.5	-0.6	-0.3

The earliest period open for revision is January 1997

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RIOS1

IOS: Index of Services

Revisions since previously published estimates

seasonally adjusted 2015 = 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
2015 weights	1000	173	132	415	281

Percentage change, latest 3 months on previous 3 months

	S2BG	S2DH	KI7D	KI7K	KI7S
2015 Jun	0.1	0.1	0.2	0.2	-0.1
Jul	-0.1	-	0.2	-	-0.3
Aug	-0.1	-0.1	0.3	-0.1	-0.4
Sep	-0.1	-0.2	0.4	-0.1	-0.3
Oct	-0.1	-0.1	0.1	-	-0.2
Nov	-0.1	-	-0.4	-0.2	-0.1
Dec	-0.3	0.1	-0.7	-0.3	0.1
2016 Jan	-0.2	0.2	-0.3	-0.4	0.1
Feb	-	0.2	0.1	-0.2	0.1
Mar	0.1	0.1	0.9	-	-0.1
Apr	0.1	-0.2	0.8	0.1	-0.1
May	-	-0.2	0.6	-0.1	-0.2
Jun	-0.2	-0.1	-0.3	-0.2	-
Jul	-0.2	0.1	-0.6	-0.5	0.1
Aug	-0.2	-	-0.6	-0.4	0.2
Sep	-0.2	-	-0.2	-0.5	0.1
Oct	-0.2	-	-	-0.4	-0.1
Nov	-0.2	-	0.1	-0.3	-0.1
Dec	-0.2	-0.1	-0.1	-0.2	-0.2
2017 Jan	-0.1	-0.2	-0.3	-0.1	-0.2
Feb	-0.1	-0.3	-0.2	0.1	-0.1
Mar	-	-0.2	-	0.1	-
Apr	-	-0.3	0.2	-0.1	-
May	-	-0.1	0.1	-0.1	-
Jun	-0.1	-	-	-0.2	-0.1

The earliest period open for revision is January 1997

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

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
2015 weights	24	43	69	23	7
	S2KW	S2KX	S2KY	KFV6	S2L5
2012	75.3	85.3	91.7	87.5	88.4
2013	83.7	92.3	92.5	88.7	91.8
2014	91.3	97.3	96.1	95.6	97.1
2015	100.0	100.0	100.0	100.0	100.0
2016	110.5	102.3	104.8	101.0	107.0
2015 Jul	101.0	101.2	99.9	99.8	101.0
Aug	99.4	100.8	99.3	100.0	101.2
Sep	101.5	98.7	101.6	100.5	101.1
Oct	101.9	100.1	100.4	100.6	102.8
Nov	102.8	99.7	102.1	101.8	102.7
Dec	107.1	101.2	100.9	100.5	100.5
2016 Jan	108.7	101.2	103.6	101.0	103.9
Feb	110.6	100.4	102.7	100.9	106.7
Mar	110.7	100.8	102.6	98.1	104.4
Apr	110.7	101.4	103.0	102.0	105.2
May	109.2	100.9	105.1	99.7	106.9
Jun	109.4	102.1	103.7	100.8	108.1
Jul	106.8	100.6	105.6	100.2	109.0
Aug	109.9	102.3	105.9	101.5	108.7
Sep	113.4	103.0	105.8	102.4	109.2
Oct	112.5	103.7	107.8	102.5	108.2
Nov	110.9	104.8	107.4	101.2	106.4
Dec	113.0	106.5	104.9	102.0	107.1
2017 Jan	110.8	103.4	104.6	102.3	108.1
Feb	109.9	104.5	106.1	102.2	111.6
Mar	114.4	103.4	104.6	102.6	112.9
Apr	107.1	104.3	107.2	101.0	114.6
May	111.2	103.9	106.3	102.8	115.4
Jun	112.1	106.1	106.6	99.3	116.4
Jul	111.6	104.8	107.0	99.5	117.3
Percentage change, latest year on previous year					
	S224	S225	S226	KFV5	S22B
2012	7.4	-1.3	0.5	-0.7	6.5
2013	11.2	8.2	0.9	1.4	3.9
2014	9.1	5.4	3.9	7.7	5.8
2015	9.5	2.8	4.0	4.6	2.9
2016	10.5	2.3	4.8	1.0	7.0
Percentage change, latest month on same month a year ago					
	S26S	S26T	S26U	KF16	S26Z
2015 Jul	10.9	4.3	4.0	3.1	6.1
Aug	7.7	3.0	2.8	2.6	3.2
Sep	9.8	-1.0	6.0	3.1	3.0
Oct	9.2	0.9	3.5	1.4	4.6
Nov	8.5	-	4.0	2.2	5.0
Dec	12.4	2.5	1.8	1.7	2.5
2016 Jan	14.6	1.5	4.8	2.1	6.2
Feb	13.5	1.5	3.8	1.6	13.6
Mar	15.6	1.1	3.5	-0.9	6.6
Apr	12.9	1.1	3.3	2.6	4.8
May	10.2	1.4	5.7	-0.1	6.4
Jun	8.2	2.0	3.8	0.6	7.8
Jul	5.7	-0.6	5.6	0.4	7.9
Aug	10.6	1.5	6.7	1.5	7.4
Sep	11.7	4.3	4.2	1.8	8.0
Oct	10.3	3.6	7.4	1.9	5.2
Nov	7.9	5.2	5.2	-0.6	3.5
Dec	5.5	5.3	4.0	1.5	6.6
2017 Jan	1.9	2.2	1.0	1.2	4.1
Feb	-0.7	4.0	3.3	1.3	4.6
Mar	3.4	2.6	1.9	4.5	8.2
Apr	-3.2	2.8	4.1	-0.9	9.0
May	1.9	3.0	1.1	3.1	8.0
Jun	2.5	4.0	2.9	-1.5	7.7
Jul	4.5	4.2	1.3	-0.7	7.6

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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.

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IOSCOMP

IOS: Index of Services

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

seasonally adjusted 2015 = 100

continued

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
2015 weights	24	43	69	23	7

Percentage change, latest month on previous month

	S224	S225	S226	KFV5	S22B
2015 Jul	-0.2	1.2	-	-0.4	0.7
Aug	-1.6	-0.4	-0.6	0.2	0.2
Sep	2.1	-2.1	2.3	0.5	-0.1
Oct	0.4	1.4	-1.2	-	1.7
Nov	0.9	-0.4	1.7	1.3	-0.1
Dec	4.2	1.5	-1.2	-1.3	-2.2
2016 Jan	1.5	-	2.7	0.5	3.4
Feb	1.8	-0.7	-0.8	-0.1	2.7
Mar	0.1	0.4	-0.1	-2.7	-2.1
Apr	-	0.6	0.4	3.9	0.8
May	-1.4	-0.6	2.1	-2.3	1.6
Jun	0.2	1.2	-1.4	1.1	1.1
Jul	-2.4	-1.4	1.8	-0.6	0.8
Aug	2.9	1.7	0.3	1.4	-0.2
Sep	3.2	0.6	-0.1	0.8	0.4
Oct	-0.9	0.7	1.8	0.1	-0.9
Nov	-1.4	1.1	-0.4	-1.2	-1.7
Dec	1.9	1.6	-2.4	0.8	0.7
2017 Jan	-2.0	-2.9	-0.2	0.2	1.0
Feb	-0.8	1.0	1.5	-0.1	3.2
Mar	4.2	-1.0	-1.5	0.4	1.2
Apr	-6.3	0.8	2.5	-1.5	1.5
May	3.8	-0.4	-0.9	1.7	0.7
Jun	0.8	2.2	0.3	-3.4	0.9
Jul	-0.5	-1.2	0.3	0.2	0.7

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

	S2G8	S2G9	S2GA	KF18	S2GF
2015 Jul	10.8	3.8	3.9	4.2	4.2
Aug	10.1	3.8	3.5	3.4	4.1
Sep	9.5	2.1	4.3	2.9	4.0
Oct	8.9	1.0	4.1	2.3	3.6
Nov	9.2	-	4.5	2.2	4.2
Dec	10.0	1.1	3.1	1.7	4.0
2016 Jan	11.8	1.3	3.6	2.0	4.6
Feb	13.5	1.8	3.5	1.8	7.4
Mar	14.6	1.4	4.0	0.9	8.8
Apr	14.0	1.2	3.5	1.1	8.2
May	12.9	1.2	4.2	0.5	5.9
Jun	10.4	1.5	4.3	1.0	6.3
Jul	8.0	0.9	5.0	0.3	7.3
Aug	8.1	1.0	5.4	0.8	7.7
Sep	9.3	1.7	5.5	1.2	7.8
Oct	10.9	3.2	6.1	1.8	6.9
Nov	10.0	4.4	5.6	1.0	5.6
Dec	7.9	4.7	5.5	0.9	5.1
2017 Jan	5.0	4.2	3.4	0.7	4.7
Feb	2.2	3.8	2.8	1.3	5.1
Mar	1.5	2.9	2.1	2.3	5.6
Apr	-0.2	3.1	3.1	1.6	7.2
May	0.7	2.8	2.4	2.2	8.4
Jun	0.4	3.3	2.7	0.2	8.2
Jul	2.9	3.7	1.8	0.3	7.8

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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.

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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
2015 weights	24	43	69	23	7

Percentage change, latest 3 months on previous 3 months

	S2BI	S2BJ	S2BK	KFJ2	S2BP
2015 Jul	3.4	0.6	0.5	0.7	3.3
Aug	3.0	0.8	0.3	0.6	1.3
Sep	1.2	0.2	0.6	0.3	0.7
Oct	0.6	-0.4	0.7	0.5	1.1
Nov	1.6	-1.2	1.7	1.0	1.3
Dec	3.3	0.1	0.9	0.9	0.9
2016 Jan	5.2	0.8	1.8	0.8	0.7
Feb	6.6	1.5	1.0	-0.2	1.5
Mar	5.8	0.5	1.8	-1.0	2.9
Apr	4.2	0.2	0.6	-0.8	3.0
May	1.3	0.1	1.2	-0.9	1.7
Jun	-0.2	0.6	0.9	0.8	1.7
Jul	-2.0	0.3	2.0	-0.1	2.4
Aug	-1.3	0.6	1.4	0.9	2.9
Sep	0.3	0.5	1.8	0.5	2.1
Oct	3.2	1.8	1.6	1.9	0.6
Nov	3.3	2.1	1.9	1.2	-0.6
Dec	1.9	3.0	0.9	0.5	-1.6
2017 Jan	-0.3	1.9	-0.8	-0.3	-1.4
Feb	-1.0	0.9	-1.7	0.1	1.0
Mar	-0.4	-1.2	-1.5	0.4	3.4
Apr	-1.0	-0.8	0.3	0.1	5.5
May	-0.2	-0.9	0.8	-	4.9
Jun	-1.3	1.0	1.5	-1.3	4.2
Jul	1.1	0.8	0.6	-1.4	2.9

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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
2015 weights	14	8	10	27	20
	S2L6	S2L7	S2L9	S2LA	KFW8
2012	89.8	96.2	84.5	99.1	91.3
2013	92.2	97.8	87.3	94.5	95.5
2014	100.1	97.3	89.6	97.4	91.9
2015	100.0	100.0	100.0	100.0	100.0
2016	96.7	106.4	106.1	104.9	110.4
2015 Jul	100.7	101.3	99.9	99.4	101.9
Aug	100.1	100.3	99.1	98.6	100.8
Sep	101.0	99.9	102.3	100.8	99.2
Oct	97.9	102.6	104.9	101.3	101.1
Nov	97.9	98.8	101.6	101.2	102.8
Dec	95.6	108.5	103.6	102.1	104.8
2016 Jan	96.4	108.3	101.6	102.7	104.6
Feb	96.4	106.4	107.4	101.8	106.2
Mar	95.4	103.9	106.8	101.8	107.6
Apr	98.5	104.6	104.8	102.0	105.8
May	96.3	105.4	105.0	104.3	104.7
Jun	95.8	103.8	105.6	105.4	108.8
Jul	97.0	103.3	104.5	103.7	114.6
Aug	96.9	105.3	106.9	106.0	113.5
Sep	95.7	106.4	104.1	107.6	117.2
Oct	96.3	107.9	107.9	107.0	109.5
Nov	96.6	109.7	109.2	108.2	111.8
Dec	99.5	112.0	109.9	108.1	120.4
2017 Jan	98.4	108.1	105.2	108.6	111.3
Feb	98.3	104.2	102.9	111.0	109.5
Mar	99.0	109.5	103.5	111.2	116.5
Apr	98.3	104.1	106.2	111.7	110.1
May	97.6	110.0	106.2	112.2	113.7
Jun	97.4	109.3	104.9	110.1	118.6
Jul	97.4	108.2	108.0	111.1	107.1
Percentage change, latest year on previous year	S22C	S22D	S22F	S22G	KFW7
2012	2.0	-5.7	0.2	5.5	4.6
2013	2.7	1.7	3.3	-4.6	4.6
2014	8.6	-0.5	2.7	3.0	-3.8
2015	-0.1	2.7	11.6	2.7	8.9
2016	-3.3	6.4	6.1	4.9	10.4
Percentage change, latest month on same month a year ago	S272	S273	S275	S276	KFM4
2015 Jul	0.4	4.0	13.8	2.1	11.6
Aug	-1.9	4.2	10.5	1.2	9.7
Sep	-1.2	1.0	12.5	2.0	9.0
Oct	-7.2	2.6	14.3	3.3	7.8
Nov	-5.3	-1.2	8.4	2.3	9.3
Dec	-9.0	11.2	10.1	2.7	12.9
2016 Jan	-5.0	9.7	7.7	4.7	7.5
Feb	-4.6	9.8	10.5	2.6	7.8
Mar	-6.0	6.6	5.2	1.4	12.1
Apr	-2.6	5.4	6.8	1.7	8.9
May	-4.4	8.3	7.0	4.8	6.0
Jun	-5.2	4.6	6.3	6.5	6.8
Jul	-3.6	2.0	4.6	4.3	12.5
Aug	-3.2	5.0	7.9	7.5	12.6
Sep	-5.2	6.5	1.7	6.7	18.2
Oct	-1.6	5.2	2.9	5.6	8.4
Nov	-1.3	11.1	7.4	7.0	8.7
Dec	4.0	3.3	6.1	5.9	14.9
2017 Jan	2.0	-0.2	3.5	5.7	6.5
Feb	1.9	-2.1	-4.3	9.0	3.2
Mar	3.8	5.5	-3.1	9.3	8.3
Apr	-0.2	-0.5	1.3	9.5	4.1
May	1.3	4.3	1.2	7.6	8.7
Jun	1.7	5.3	-0.6	4.4	9.0
Jul	0.5	4.7	3.3	7.2	-6.6

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IOSCOMP

IOS: Index of Services

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

seasonally adjusted 2015 = 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
2015 weights	14	8	10	27	20

Percentage change, latest month on previous month

	S22C	S22D	S22F	S22G	KFW7
2015 Jul	-0.3	2.1	0.6	0.4	-
Aug	-0.6	-1.0	-0.8	-0.8	-1.1
Sep	0.9	-0.4	3.3	2.2	-1.6
Oct	-3.1	2.8	2.6	0.5	1.9
Nov	-	-3.7	-3.1	-0.1	1.7
Dec	-2.3	9.8	1.9	0.9	1.9
2016 Jan	0.8	-0.2	-1.9	0.6	-0.2
Feb	0.1	-1.7	5.7	-0.9	1.5
Mar	-1.1	-2.4	-0.6	-	1.3
Apr	3.2	0.7	-1.8	0.2	-1.6
May	-2.2	0.8	0.1	2.2	-1.1
Jun	-0.6	-1.6	0.6	1.1	4.0
Jul	1.3	-0.4	-1.0	-1.7	5.3
Aug	-0.1	1.9	2.3	2.2	-1.0
Sep	-1.2	1.0	-2.7	1.5	3.3
Oct	0.6	1.5	3.7	-0.5	-6.6
Nov	0.4	1.6	1.2	1.2	2.1
Dec	2.9	2.1	0.7	-0.1	7.7
2017 Jan	-1.1	-3.5	-4.3	0.5	-7.5
Feb	-0.1	-3.6	-2.2	2.2	-1.6
Mar	0.7	5.1	0.6	0.2	6.3
Apr	-0.7	-4.9	2.6	0.4	-5.4
May	-0.7	5.6	-0.1	0.5	3.3
Jun	-0.2	-0.6	-1.2	-1.9	4.3
Jul	-	-1.0	2.9	0.9	-9.7

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

	S2GG	S2GH	S2GJ	S2GK	KFM6
2015 Jul	2.1	1.8	10.8	2.3	11.6
Aug	0.3	3.2	11.8	1.7	11.7
Sep	-0.9	3.1	12.3	1.8	10.1
Oct	-3.5	2.6	12.5	2.2	8.8
Nov	-4.6	0.8	11.7	2.5	8.7
Dec	-7.2	4.1	10.9	2.8	10.0
2016 Jan	-6.4	6.5	8.7	3.2	9.9
Feb	-6.2	10.2	9.4	3.3	9.3
Mar	-5.2	8.7	7.8	2.9	9.1
Apr	-4.4	7.3	7.5	1.9	9.6
May	-4.3	6.8	6.3	2.6	9.0
Jun	-4.1	6.1	6.7	4.3	7.2
Jul	-4.4	4.9	6.0	5.2	8.5
Aug	-4.0	3.9	6.3	6.1	10.7
Sep	-4.0	4.5	4.7	6.1	14.4
Oct	-3.4	5.6	4.1	6.6	13.0
Nov	-2.7	7.5	4.0	6.4	11.7
Dec	0.4	6.4	5.4	6.1	10.7
2017 Jan	1.6	4.5	5.7	6.2	10.0
Feb	2.7	0.4	1.7	6.9	8.2
Mar	2.6	1.0	-1.4	8.0	6.0
Apr	1.8	0.9	-2.0	9.2	5.2
May	1.6	3.1	-0.2	8.8	7.0
Jun	0.9	3.1	0.6	7.1	7.2
Jul	1.2	4.8	1.3	6.4	3.4

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IOSCOMP

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

seasonally adjusted 2015 = 100

continued

Component	Industry components (SIC2007)					58-60
	Warehousing and support activities for transportation	Postal and courier activities	Accommodation	Food and beverage service activities	Publishing, audiovisual and broadcasting activities	
2015 weights	52	53	55	56	58-60	20
	14	8	10	27		

Percentage change, latest 3 months on previous 3 months

	S2BQ	S2BR	S2BT	S2BU	KFM8
2015 Jul	-0.4	1.4	0.1	-0.7	3.8
Aug	-0.5	2.3	0.2	-1.1	4.3
Sep	-0.4	1.9	1.9	-	1.4
Oct	-1.2	1.7	3.0	1.0	-0.5
Nov	-1.7	0.2	3.5	2.1	-0.5
Dec	-3.4	2.8	3.0	1.9	2.3
2016 Jan	-3.0	4.2	0.2	1.7	3.7
Feb	-2.8	7.3	1.2	1.1	4.1
Mar	-1.1	2.8	1.8	0.6	3.1
Apr	0.2	-0.2	4.0	-0.1	2.4
May	0.6	-2.9	1.3	0.5	0.8
Jun	0.8	-1.5	-0.1	1.8	0.3
Jul	-0.4	-0.8	-1.3	2.5	2.7
Aug	-0.2	-0.5	0.1	2.3	6.0
Sep	-0.3	0.4	-	1.8	8.2
Oct	-0.1	2.3	1.2	2.3	3.7
Nov	-0.3	3.7	1.3	2.4	0.5
Dec	1.0	4.7	3.7	1.9	-1.1
2017 Jan	1.9	3.2	1.7	1.4	1.0
Feb	2.6	0.1	-1.0	1.5	0.8
Mar	1.1	-2.4	-4.7	2.3	-1.3
Apr	0.4	-3.6	-3.6	2.8	-2.2
May	-0.4	-0.2	-0.6	2.3	-0.3
Jun	-0.8	0.5	1.9	1.0	1.5
Jul	-1.0	3.0	2.1	-0.2	1.0

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IOSCOMP

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

seasonally adjusted 2015 = 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
	61	62	63	64	68
2015 weights	23	28	4	51	176
	S2LE	S2LF	S2LG	S2LI	KFW4
2012	105.2	84.9	82.7	108.4	92.3
2013	100.4	87.9	90.9	104.6	94.4
2014	96.0	94.6	95.0	101.3	97.3
2015	100.0	100.0	100.0	100.0	100.0
2016	97.6	112.0	103.0	102.6	100.3
2015 Jul	99.1	100.7	101.5	98.5	100.3
Aug	103.0	102.1	95.4	98.5	100.7
Sep	100.0	100.7	98.7	99.0	100.7
Oct	99.3	101.9	98.3	99.1	100.5
Nov	99.4	104.8	100.0	99.6	100.5
Dec	99.5	103.8	96.0	100.4	100.8
2016 Jan	99.9	108.5	100.7	101.5	100.8
Feb	98.7	107.1	107.5	102.4	101.1
Mar	97.7	106.9	98.7	102.1	100.9
Apr	98.1	108.8	106.4	102.0	100.8
May	94.2	112.1	100.8	102.0	100.3
Jun	97.0	110.8	98.1	102.4	100.4
Jul	96.5	113.6	99.6	102.5	100.2
Aug	96.5	115.2	104.9	102.8	100.2
Sep	97.2	114.1	104.7	103.0	99.8
Oct	98.3	117.6	103.0	103.2	99.8
Nov	97.2	114.6	106.6	103.3	99.8
Dec	99.7	114.5	104.4	103.3	99.8
2017 Jan	98.4	111.1	105.5	104.4	100.2
Feb	96.6	113.7	102.1	104.6	100.3
Mar	96.1	115.0	103.9	104.4	100.2
Apr	99.3	116.0	104.8	105.0	100.3
May	96.7	114.4	107.7	105.2	100.4
Jun	98.4	119.2	106.2	105.1	100.4
Jul	100.5	118.3	103.1	105.5	100.5
Percentage change, latest year on previous year	S22K	S22L	S22M	S22O	KFW3
2012	-0.2	6.0	9.5	-0.7	3.3
2013	-4.5	3.5	9.9	-3.5	2.3
2014	-4.4	7.7	4.5	-3.2	3.1
2015	4.2	5.7	5.2	-1.2	2.8
2016	-2.4	12.0	3.0	2.6	0.3
Percentage change, latest month on same month a year ago	S27A	S27B	S27C	S27E	KFK8
2015 Jul	3.6	5.5	4.5	-2.5	2.7
Aug	7.8	6.3	1.0	-1.9	3.0
Sep	3.6	4.5	3.6	-0.9	2.9
Oct	2.2	3.4	-1.0	-2.0	2.4
Nov	3.0	8.2	2.5	-2.3	2.5
Dec	3.1	6.9	-3.0	-2.7	2.7
2016 Jan	3.0	11.7	1.2	-0.8	2.1
Feb	-0.8	9.2	5.4	0.3	2.3
Mar	-3.3	11.4	-1.8	0.7	1.8
Apr	-1.8	10.7	6.7	1.3	0.8
May	-7.4	14.8	-6.4	2.4	0.4
Jun	-3.6	12.0	-2.6	3.7	0.3
Jul	-2.6	12.9	-1.9	4.1	-0.2
Aug	-6.3	12.9	10.0	4.4	-0.5
Sep	-2.7	13.4	6.1	4.0	-0.9
Oct	-0.9	15.4	4.8	4.2	-0.7
Nov	-2.3	9.3	6.7	3.7	-0.7
Dec	0.2	10.3	8.8	2.9	-0.9
2017 Jan	-1.5	2.4	4.8	2.8	-0.5
Feb	-2.1	6.2	-5.0	2.1	-0.8
Mar	-1.7	7.6	5.2	2.3	-0.7
Apr	1.2	6.6	-1.5	2.9	-0.5
May	2.7	2.1	6.8	3.1	0.1
Jun	1.5	7.6	8.2	2.6	-
Jul	4.1	4.1	3.5	2.9	0.3

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IOSCOMP

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

seasonally adjusted 2015 = 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
2015 weights	61	62	63	64	68
	23	28	4	51	176

Percentage change, latest month on previous month

	S22K	S22L	S22M	S22O	KFW3
2015 Jul	-1.5	1.7	0.8	-0.3	0.3
Aug	4.0	1.4	-6.0	-	0.3
Sep	-2.9	-1.4	3.5	0.5	-
Oct	-0.7	1.2	-0.4	0.1	-0.2
Nov	0.2	2.8	1.7	0.5	-
Dec	0.1	-0.9	-4.0	0.8	0.2
2016 Jan	0.4	4.5	4.9	1.1	-
Feb	-1.2	-1.3	6.8	0.8	0.4
Mar	-1.0	-0.2	-8.2	-0.3	-0.2
Apr	0.4	1.8	7.8	-0.1	-0.2
May	-3.9	3.0	-5.3	-	-0.4
Jun	2.9	-1.1	-2.6	0.4	-
Jul	-0.5	2.6	1.5	0.1	-0.2
Aug	-0.1	1.4	5.3	0.3	-
Sep	0.8	-0.9	-0.2	0.2	-0.4
Oct	1.2	3.0	-1.6	0.2	-
Nov	-1.2	-2.6	3.6	-	-
Dec	2.7	-	-2.1	-	0.1
2017 Jan	-1.4	-3.0	1.0	1.1	0.4
Feb	-1.8	2.4	-3.2	0.2	0.1
Mar	-0.6	1.1	1.7	-0.2	-0.1
Apr	3.3	0.8	0.9	0.5	0.1
May	-2.5	-1.3	2.7	0.2	0.1
Jun	1.7	4.1	-1.4	-0.1	-
Jul	2.1	-0.8	-2.9	0.4	0.1

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

	S2GO	S2GP	S2GQ	S2GS	KFL2
2015 Jul	4.9	4.4	7.7	-1.9	2.8
Aug	5.2	5.4	2.4	-2.2	2.9
Sep	5.0	5.4	3.0	-1.8	2.9
Oct	4.5	4.7	1.2	-1.6	2.8
Nov	2.9	5.3	1.7	-1.7	2.6
Dec	2.8	6.1	-0.5	-2.3	2.6
2016 Jan	3.0	8.9	0.2	-1.9	2.4
Feb	1.7	9.3	1.2	-1.1	2.3
Mar	-0.4	10.8	1.6	0.1	2.1
Apr	-2.0	10.4	3.4	0.8	1.6
May	-4.2	12.3	-0.7	1.5	1.0
Jun	-4.3	12.5	-0.9	2.5	0.5
Jul	-4.5	13.2	-3.7	3.4	0.2
Aug	-4.2	12.6	1.7	4.1	-0.1
Sep	-3.9	13.0	4.6	4.2	-0.5
Oct	-3.4	13.9	6.9	4.2	-0.7
Nov	-2.0	12.7	5.8	4.0	-0.8
Dec	-1.0	11.6	6.7	3.6	-0.8
2017 Jan	-1.2	7.3	6.7	3.1	-0.7
Feb	-1.1	6.2	2.6	2.6	-0.8
Mar	-1.8	5.4	1.5	2.4	-0.7
Apr	-0.8	6.8	-0.6	2.5	-0.7
May	0.7	5.4	3.4	2.8	-0.4
Jun	1.8	5.4	4.4	2.9	-0.1
Jul	2.8	4.6	6.2	2.8	0.1

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

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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
2015 weights	23	28	4	51	176

Percentage change, latest 3 months on previous 3 months

	S2BY	S2BZ	S2C2	S2C4	KFL4
2015 Jul	0.3	1.6	2.5	-2.4	0.8
Aug	-	3.3	-3.3	-1.9	0.7
Sep	-0.1	2.9	-4.1	-1.0	0.6
Oct	0.3	2.5	-5.7	-0.1	0.5
Nov	-1.3	1.9	-0.2	0.7	0.2
Dec	-1.2	2.4	-0.5	1.1	-
2016 Jan	-1.1	4.1	1.5	1.7	0.1
Feb	-0.2	3.9	2.4	2.2	0.3
Mar	-0.7	3.9	4.3	2.3	0.4
Apr	-1.5	1.8	5.4	1.6	0.3
May	-2.7	2.6	0.6	0.6	-0.2
Jun	-2.4	2.8	-0.5	0.1	-0.4
Jul	-2.3	4.2	-4.5	0.2	-0.7
Aug	-	3.6	-1.0	0.6	-0.4
Sep	0.3	3.4	1.3	0.6	-0.4
Oct	1.5	3.1	4.7	0.7	-0.3
Nov	1.0	2.0	3.8	0.6	-0.4
Dec	1.7	1.1	1.6	0.5	-0.2
2017 Jan	1.1	-1.9	1.3	0.6	-
Feb	0.7	-2.0	-0.7	0.9	0.3
Mar	-1.4	-2.0	-0.8	1.2	0.4
Apr	-1.1	1.3	-1.8	1.0	0.3
May	-0.9	1.8	1.4	0.7	0.2
Jun	1.1	2.9	2.3	0.6	0.1
Jul	1.3	2.1	1.9	0.5	0.2

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IOSCOMP

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

seasonally adjusted 2015 = 100

continued

Industry components (SIC2007)

Component	Other professional service activities	Other professional scientific and technical activities	Administrative and support service activities	Public admin and defence; compulsory social security	Education
	69-71	73-75	77-82	84	85
2015 weights	70	19	58	60	77
	KFX6	KFY2	S2LZ	S2M9	S2MB
2012	82.9	91.0	82.2	105.8	95.7
2013	88.7	91.6	86.4	103.4	96.5
2014	94.7	97.6	94.6	101.8	98.3
2015	100.0	100.0	100.0	100.0	100.0
2016	103.7	106.8	103.1	98.6	100.0
2015 Jul	99.8	98.5	101.9	99.5	100.1
Aug	99.7	98.6	101.3	99.4	100.2
Sep	102.0	99.9	101.2	99.3	100.2
Oct	101.9	102.2	101.5	99.2	100.0
Nov	101.6	102.4	101.1	99.2	100.3
Dec	101.4	104.0	100.5	99.2	100.5
2016 Jan	99.8	105.9	101.2	99.1	100.4
Feb	101.8	102.7	103.1	99.0	100.8
Mar	102.4	101.6	101.8	98.7	99.7
Apr	104.4	106.6	102.8	98.6	99.2
May	103.2	106.9	101.9	98.4	99.7
Jun	104.0	106.4	102.7	98.4	99.7
Jul	103.7	106.5	103.2	98.5	99.7
Aug	103.8	106.2	103.1	98.5	99.8
Sep	104.3	107.5	104.7	98.5	100.0
Oct	104.9	108.5	104.1	98.5	100.2
Nov	106.7	109.7	104.4	98.5	100.4
Dec	105.6	113.0	103.9	98.5	100.6
2017 Jan	108.4	106.1	105.0	98.5	100.9
Feb	106.4	105.2	104.8	98.5	101.2
Mar	107.5	103.2	105.8	98.5	101.2
Apr	107.3	103.5	103.6	98.4	101.3
May	108.1	107.1	105.2	98.4	101.4
Jun	108.2	108.5	105.0	98.3	101.5
Jul	109.0	106.6	104.4	98.3	101.5

Percentage change, latest year on previous year

	KFX5	KFX9	S237	S23F	S23H
2012	3.7	8.0	7.8	-1.3	3.3
2013	7.1	0.6	5.0	-2.2	0.8
2014	6.7	6.6	9.6	-1.6	1.8
2015	5.6	2.4	5.7	-1.8	1.8
2016	3.7	6.8	3.1	-1.4	-

Percentage change, latest month on same month a year ago

	KFO6	KFO2	S27V	S285	S287
2015 Jul	5.1	-0.9	5.8	-2.2	1.4
Aug	4.7	0.3	6.0	-2.4	1.5
Sep	6.6	1.6	6.0	-2.4	1.5
Oct	3.2	4.9	3.8	-2.8	1.0
Nov	4.1	-0.6	4.9	-2.6	1.3
Dec	3.8	2.8	2.7	-2.3	1.4
2016 Jan	2.3	4.6	3.9	-2.0	0.9
Feb	4.0	4.5	5.4	-2.0	1.3
Mar	4.7	0.6	2.2	-2.1	0.1
Apr	4.9	11.3	3.1	-2.3	-0.8
May	2.6	9.3	3.7	-2.0	-0.3
Jun	3.6	5.8	3.1	-1.5	-0.4
Jul	3.9	8.1	1.3	-1.0	-0.4
Aug	4.1	7.8	1.7	-0.9	-0.4
Sep	2.2	7.5	3.4	-0.8	-0.2
Oct	3.0	6.2	2.6	-0.7	0.1
Nov	4.9	7.2	3.2	-0.7	0.1
Dec	4.1	8.7	3.3	-0.7	0.1
2017 Jan	8.7	0.2	3.8	-0.6	0.6
Feb	4.5	2.4	1.6	-0.5	0.4
Mar	5.0	1.6	4.0	-0.2	1.5
Apr	2.7	-2.9	0.8	-0.2	2.1
May	4.8	0.2	3.2	-	1.7
Jun	4.1	2.0	2.3	-	1.8
Jul	5.1	0.2	1.1	-0.2	1.8

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IOSCOMP

IOS: Index of Services

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

seasonally adjusted 2015 = 100

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 administration and defence; compulsory social security 84	Education 85
2015 weights	70	19	58	60	77

Percentage change, latest month on previous month

	KFX5	KFX9	S237	S23F	S23H
2015 Jul	-0.6	-2.0	2.4	-0.4	0.1
Aug	-0.1	0.1	-0.6	-0.1	0.1
Sep	2.3	1.4	-0.1	-0.1	-
Oct	-0.2	2.2	0.2	-0.1	-0.2
Nov	-0.2	0.2	-0.3	-	0.2
Dec	-0.2	1.6	-0.6	-	0.2
2016 Jan	-1.7	1.9	0.7	-0.1	-0.1
Feb	2.0	-3.0	1.9	-0.1	0.4
Mar	0.6	-1.1	-1.3	-0.3	-1.1
Apr	2.0	5.0	1.0	-0.1	-0.5
May	-1.2	0.3	-0.9	-0.2	0.5
Jun	0.8	-0.5	0.8	-	-0.1
Jul	-0.3	0.1	0.5	0.1	0.1
Aug	0.1	-0.2	-0.2	-	0.1
Sep	0.5	1.2	1.6	-	0.2
Oct	0.5	1.0	-0.5	-	0.2
Nov	1.7	1.1	0.3	-	0.2
Dec	-1.0	2.9	-0.5	-	0.2
2017 Jan	2.7	-6.1	1.1	-	0.3
Feb	-1.8	-0.8	-0.3	-	0.2
Mar	1.0	-2.0	1.0	-	-
Apr	-0.2	0.4	-2.2	-0.1	0.1
May	0.7	3.4	1.6	-0.1	0.1
Jun	0.2	1.3	-0.1	-	0.1
Jul	0.7	-1.7	-0.6	-	-

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

	KFO8	KFO4	S2HB	S2HJ	S2HL
2015 Jul	6.4	1.7	5.1	-1.7	1.7
Aug	5.4	0.9	5.7	-2.1	1.5
Sep	5.5	0.3	5.9	-2.3	1.5
Oct	4.8	2.3	5.3	-2.5	1.4
Nov	4.6	1.9	4.9	-2.6	1.3
Dec	3.7	2.3	3.8	-2.6	1.2
2016 Jan	3.4	2.3	3.8	-2.3	1.2
Feb	3.4	4.0	4.0	-2.1	1.2
Mar	3.7	3.3	3.8	-2.0	0.8
Apr	4.6	5.4	3.6	-2.1	0.2
May	4.1	7.0	3.0	-2.1	-0.3
Jun	3.7	8.8	3.3	-2.0	-0.5
Jul	3.4	7.7	2.7	-1.5	-0.4
Aug	3.9	7.2	2.0	-1.2	-0.4
Sep	3.4	7.8	2.1	-0.9	-0.3
Oct	3.1	7.1	2.6	-0.8	-0.2
Nov	3.4	7.0	3.1	-0.7	-
Dec	4.0	7.4	3.1	-0.7	0.1
2017 Jan	5.9	5.3	3.5	-0.7	0.3
Feb	5.7	3.7	2.9	-0.6	0.3
Mar	6.1	1.4	3.1	-0.4	0.8
Apr	4.1	0.3	2.1	-0.3	1.3
May	4.2	-0.4	2.7	-0.1	1.7
Jun	3.8	-0.3	2.1	-0.1	1.9
Jul	4.6	0.8	2.2	-0.1	1.8

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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
2015 weights	70	19	58	60	77

Percentage change, latest 3 months on previous 3 months

	KFP2	KFO6	S2CL	S2CT	S2CV
2015 Jul	1.9	0.6	0.9	-0.9	0.4
Aug	0.7	1.0	1.8	-1.1	0.3
Sep	0.3	1.0	2.3	-1.0	0.2
Oct	1.0	1.3	1.4	-0.6	0.1
Nov	1.9	2.3	0.3	-0.4	-
Dec	1.1	3.9	-0.4	-0.2	0.1
2016 Jan	-0.2	3.8	-0.4	-0.1	0.2
Feb	-0.8	2.7	0.3	-0.1	0.4
Mar	-0.3	0.6	1.0	-0.3	-
Apr	1.9	-0.4	1.6	-0.5	-0.4
May	2.3	0.8	0.5	-0.6	-1.0
Jun	2.5	3.1	0.4	-0.5	-0.7
Jul	0.7	2.9	0.1	-0.3	-0.2
Aug	0.5	1.3	0.8	-0.1	0.2
Sep	0.1	0.1	1.2	0.1	0.3
Oct	0.7	0.8	1.3	0.1	0.3
Nov	1.4	2.1	1.4	-	0.4
Dec	1.7	3.4	0.5	-	0.5
2017 Jan	2.4	2.0	0.5	-	0.6
Feb	1.4	-0.4	0.1	-	0.7
Mar	1.7	-5.0	1.0	-	0.7
Apr	0.2	-5.1	0.3	-	0.6
May	0.8	-3.2	0.3	-0.1	0.4
Jun	0.4	1.5	-0.6	-0.1	0.3
Jul	1.3	3.3	0.1	-0.1	0.3

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continued

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
2015 weights	93	19	27	5
	S2MC	S2MG	S2ML	S2MQ
2012	93.0	101.3	86.0	104.8
2013	95.3	97.7	86.3	107.1
2014	98.7	99.9	95.9	101.4
2015	100.0	100.0	100.0	100.0
2016	102.9	96.2	106.2	118.9
2015 Jul	100.5	99.4	100.0	87.9
Aug	100.4	97.7	99.5	87.2
Sep	100.4	100.5	100.5	95.0
Oct	100.5	98.7	100.8	104.2
Nov	100.7	100.0	102.5	114.1
Dec	100.9	103.9	103.4	116.4
2016 Jan	101.9	97.6	102.9	113.1
Feb	102.5	95.1	106.1	112.6
Mar	102.6	93.7	105.6	113.6
Apr	102.7	93.6	106.7	117.9
May	102.6	95.4	106.3	121.0
Jun	102.8	97.8	106.3	122.4
Jul	103.0	98.7	107.2	123.1
Aug	103.2	94.7	107.6	123.2
Sep	103.2	96.7	106.5	121.3
Oct	103.3	95.9	106.3	120.8
Nov	103.3	96.6	106.6	120.4
Dec	103.4	98.1	106.2	117.2
2017 Jan	103.7	97.6	107.8	117.3
Feb	103.9	94.4	106.5	117.4
Mar	104.0	95.6	107.5	119.5
Apr	104.1	98.5	106.3	120.6
May	104.3	97.0	105.5	125.3
Jun	104.4	96.2	105.9	124.1
Jul	104.7	95.5	105.0	127.7
Percentage change, latest year on previous year				
	S23I	S23M	S23R	S23W
2012	3.8	6.6	-3.5	5.4
2013	2.5	-3.5	0.2	2.1
2014	3.6	2.3	11.2	-5.3
2015	1.3	0.1	4.2	-1.3
2016	2.9	-3.8	6.2	18.9
Percentage change, latest month on same month a year ago				
	S288	S28C	S28H	S28M
2015 Jul	1.9	-1.3	3.0	-6.1
Aug	1.3	-1.4	2.2	-6.7
Sep	0.8	2.4	2.3	-
Oct	0.1	-	-	5.7
Nov	0.4	3.0	3.7	13.4
Dec	1.4	3.6	4.8	19.3
2016 Jan	2.9	0.6	5.2	14.7
Feb	3.8	-5.9	6.6	12.7
Mar	3.8	-7.5	7.5	11.6
Apr	3.0	-7.1	7.9	15.6
May	2.6	-4.5	7.4	21.8
Jun	2.5	-1.9	6.5	30.8
Jul	2.5	-0.7	7.1	39.9
Aug	2.8	-3.1	8.1	41.3
Sep	2.9	-3.7	5.9	27.6
Oct	2.8	-2.9	5.5	15.9
Nov	2.6	-3.4	4.1	5.5
Dec	2.5	-5.6	2.7	0.7
2017 Jan	1.7	-	4.7	3.7
Feb	1.3	-0.7	0.4	4.2
Mar	1.3	2.0	1.8	5.2
Apr	1.4	5.2	-0.3	2.3
May	1.6	1.7	-0.8	3.5
Jun	1.6	-1.7	-0.4	1.4
Jul	1.6	-3.2	-2.1	3.8

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IOSCOMP

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

seasonally adjusted 2015 = 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
2015 weights	93	19	27	5

Percentage change, latest month on previous month

	S23I	S23M	S23R	S23W
2015 Jul	0.2	-0.3	0.2	-6.0
Aug	-	-1.7	-0.5	-0.9
Sep	-0.1	2.9	1.0	9.0
Oct	0.1	-1.7	0.2	9.6
Nov	0.2	1.3	1.7	9.5
Dec	0.3	3.9	0.9	1.9
2016 Jan	1.0	-6.0	-0.5	-2.8
Feb	0.6	-2.6	3.1	-0.5
Mar	0.1	-1.4	-0.5	0.9
Apr	-	-0.1	1.0	3.8
May	-	2.0	-0.3	2.7
Jun	0.1	2.5	-	1.1
Jul	0.3	0.9	0.9	0.5
Aug	0.2	-4.1	0.4	0.1
Sep	-	2.2	-1.0	-1.6
Oct	0.1	-0.9	-0.1	-0.4
Nov	-	0.7	0.3	-0.3
Dec	0.1	1.6	-0.4	-2.6
2017 Jan	0.3	-0.5	1.5	0.1
Feb	0.2	-3.3	-1.2	-
Mar	0.1	1.3	0.9	1.8
Apr	0.1	3.0	-1.1	0.9
May	0.1	-1.4	-0.8	3.8
Jun	0.1	-0.9	0.4	-0.9
Jul	0.3	-0.7	-0.8	2.9

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

	S2HM	S2HQ	S2HV	S2I2
2015 Jul	2.0	-0.7	3.3	-3.6
Aug	1.8	-0.9	3.2	-4.8
Sep	1.3	-0.1	2.5	-4.2
Oct	0.7	0.3	1.5	-0.2
Nov	0.4	1.8	2.0	6.5
Dec	0.6	2.2	2.8	12.8
2016 Jan	1.6	2.4	4.6	15.8
Feb	2.7	-0.6	5.5	15.6
Mar	3.5	-4.4	6.4	13.0
Apr	3.6	-6.9	7.3	13.3
May	3.2	-6.4	7.6	16.3
Jun	2.7	-4.5	7.3	22.5
Jul	2.5	-2.3	7.0	30.5
Aug	2.6	-1.9	7.2	37.2
Sep	2.7	-2.5	7.1	36.0
Oct	2.8	-3.2	6.5	27.5
Nov	2.7	-3.3	5.2	15.6
Dec	2.6	-4.0	4.1	7.1
2017 Jan	2.3	-3.0	3.8	3.3
Feb	1.8	-2.2	2.6	2.9
Mar	1.4	0.4	2.3	4.4
Apr	1.4	2.2	0.6	3.9
May	1.5	3.0	0.2	3.7
Jun	1.6	1.7	-0.5	2.4
Jul	1.6	-1.1	-1.1	2.9

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	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
2015 weights	93	19	27	5

Percentage change, latest 3 months on previous 3 months

	S2CW	S2D2	S2D7	S2DC
2015 Jul	1.2	-1.4	0.8	-7.5
Aug	0.9	-1.7	1.1	-11.4
Sep	0.5	-1.0	0.8	-8.4
Oct	0.2	-0.7	0.6	2.0
Nov	0.1	0.8	1.5	16.6
Dec	0.2	1.7	2.2	23.9
2016 Jan	0.7	1.6	2.6	20.0
Feb	1.3	-0.8	2.9	9.1
Mar	1.7	-5.3	2.6	1.4
Apr	1.4	-6.3	3.1	0.1
May	0.8	-4.7	1.9	3.0
Jun	0.3	0.2	1.5	6.5
Jul	0.2	3.4	0.4	6.5
Aug	0.4	3.0	0.8	4.6
Sep	0.5	1.1	0.6	1.7
Oct	0.4	-1.6	0.2	-0.3
Nov	0.2	-0.7	-0.5	-1.7
Dec	0.1	0.2	-0.7	-2.5
2017 Jan	0.2	1.8	0.1	-2.8
Feb	0.4	0.3	0.3	-2.9
Mar	0.5	-1.0	0.8	-1.2
Apr	0.5	-1.3	-0.1	0.7
May	0.5	0.3	-0.4	3.8
Jun	0.4	1.4	-1.3	4.5
Jul	0.4	0.1	-1.2	5.5

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](#)

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