Statistical bulletin

Index of Services, UK: October 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.

Contact:
Mark Stephens
ios.enquiries@ons.gsi.gov.uk
+44 (0)1633 456387

Release date:
22 December 2017

Next release:
26 January 2018

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1 . Main points

- This is the first Index of Services release to incorporate Value Added Tax (VAT), using data from 469,440 businesses across 35 industries.

- In the three months to October 2017, services output increased by 0.3% compared with the three months ending July 2017.

- Retail trade made the largest contribution to the three-month on three-month growth, contributing 0.06 percentage points.

- The Index of Services increased by 0.2% between September and October 2017.

- Employment activities, wholesale trade and owned or leased real estate made the largest contributions at industry level to the month-on-month increase, each contributing 0.04 percentage points.

- In the three months to October 2017, services output increased by 1.3% compared with the three months ending October 2016; this growth is at its lowest since the three months ending October 2013.

- This release contains revisions from January 2016.

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. Also published today (22 December 2017) is the Quarterly national accounts: July to September 2017.

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.

This release is the first time Value Added Tax (VAT) data will be used in the IoS publication. These have been used to supplement data from the Monthly Business Survey (MBS) from January 2016 to June 2017. VAT data have been introduced across 35 services industries for small- and medium-sized businesses. Further information on the use of VAT data can be found in section 9.

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, Great Britain: October 2017, published on 16 November 2017.

This October 2017 release contains revisions from January 2016. This means that we have incorporated additional data since this period. The use of VAT data as another data source has created revisions across the period where VAT turnover is now being implemented, from January 2016 to June 2017. Revisions can also be made for a variety of other reasons up to October 2017, 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 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

Table 1 shows data for the Index of Services (IoS) and each of the main components for October 2017.

Table 1: Index of Services main figures, October 2017

UK						Percentage Change
	Percentage of services 1	Index number (2015 = 100)	Most recent month on a year earlier	Most recent three months a year earlier	Most recent month on previous month	Most recent three months on previous three months
Index of Services	100.0	104.6	1.2	1.3	0.2	0.3
Distribution, hotels and restaurants	17.3	107.1	0.3	1.0	0.2	0.1
Transport, storage and communication	13.2	107.8	0.4	1.0	-0.1	-0.1
Business services and finance	41.5	104.7	1.9	1.7	0.2	0.6
Government and other services	28.0	101.3	1.1	0.8	0.2	0.2

Source: Office for National Statistics

Notes:

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

4 . Three-month on three-month services growth slows in October 2017

Figure 1 shows the three-month on three-month Index of Services (IoS) growth rates from January 2012.

Figure 1: Three-month on three-month growth between January 2012 and October 2017

UK

Figure 1: Three-month on three-month growth between January 2012 and October 2017

UK
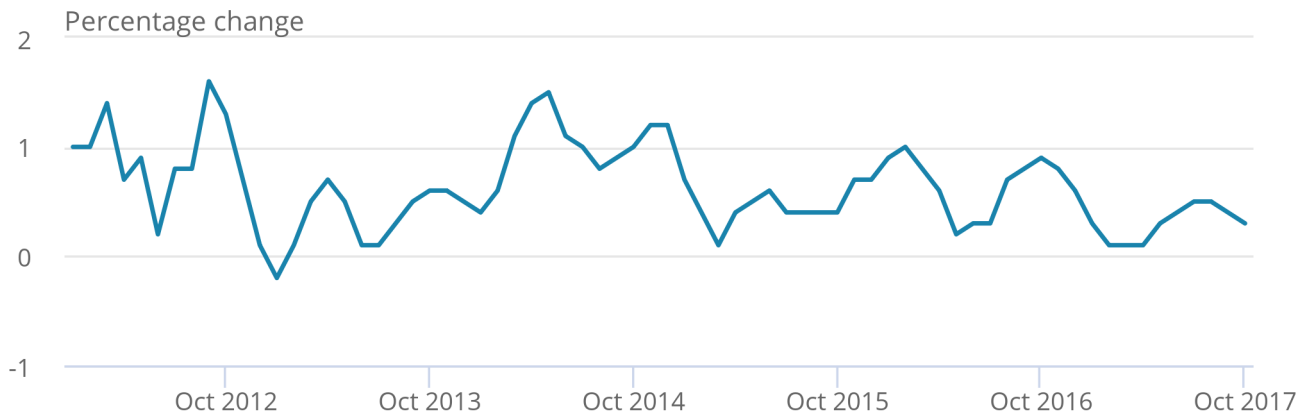
Source: Office for National Statistics

The three-month on three-month growth reached a 2017 high of 0.5% in July and August 2017; this growth has now slowed in the following months. Services output increased by 0.3% in the three months ending October 2017 when compared with the three months ending July 2017. Figure 2 shows the contributions to growth from the four main IoS components.

Figure 2: Contributions[1] to growth in services during the three months to October 2017 compared with the three months ending July 2017

UK

Figure 2: Contributions^1^ to growth in services during the three months to October 2017 compared with the three months ending 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 business services and finance sector is responsible for the majority of growth in the three months to October 2017. This component increased by 0.6% contributing 0.27 percentage points. The industry with the largest contribution to growth in this sector was financial service activities increasing by 1.0%, contributing 0.05 percentage points. Additionally, employment activities and activities of head offices both contributed 0.04 percentage points. They increased by 3.3% and 2.1% respectively.
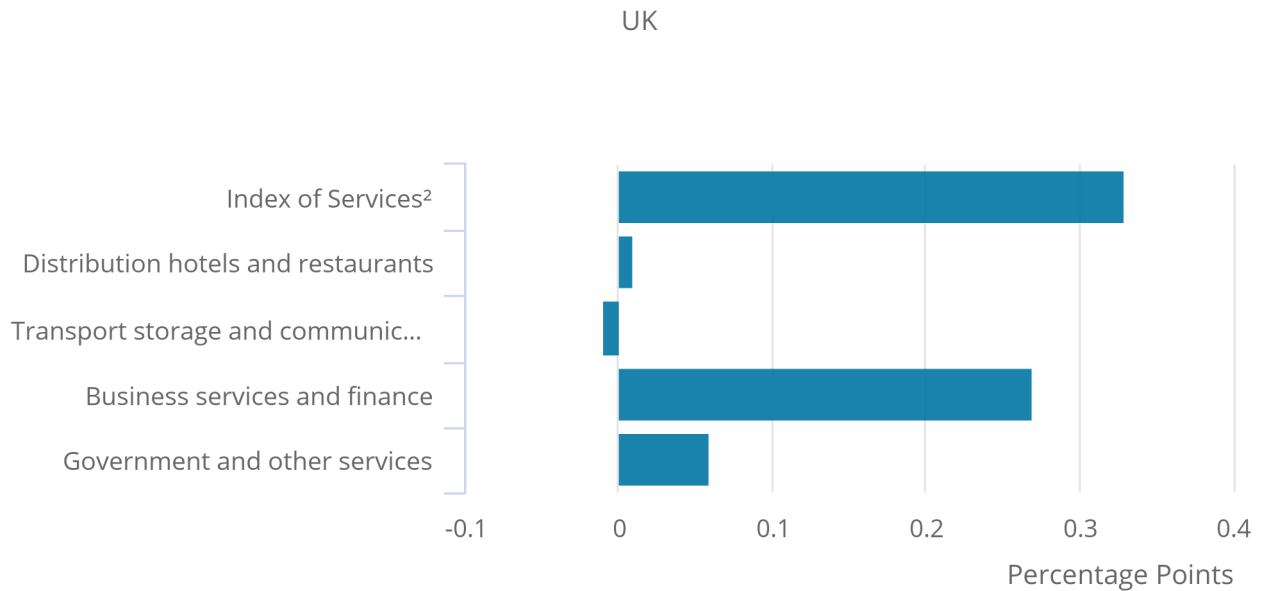
Two of the other three main IoS sectors also increased. Government and other services increased by 0.2%, contributing 0.06 percentage points. The industries with the largest contribution to positive growth in this sector were education and human health activities. They both increased by 0.5% and contributed 0.04 percentage points.

Distribution, hotels and restaurants increased by 0.1%, contributing 0.01 percentage points. Within this sector, retail trade was the industry with the largest contribution to the positive growth, increasing by 0.9% and contributing 0.06 percentage points. Please see the Retail sales, Great Britain: October 2017 release for more information. Offsetting this growth were food and beverage services and accommodation. They decreased by 1.1% and 1.8% respectively, contributing negative 0.03 and 0.02 percentage points respectively.

While the other three main components increased, the transport, storage and communications sector fell by 0.1%, contributing negative 0.01 percentage points. Publishing activities was the industry contributing most to this fall, decreasing by 4.6% and contributing negative 0.04 percentage points. This industry has seen a general decline in 2017, which is reflected in the industry's largest businesses. The largest positive contribution for this sector came from computer programming, which increased by 0.8%, contributing 0.03 percentage points.

5 . Month-on-month services growth increased in October 2017

Services output increased by 0.2% in October 2017 following flat growth in September 2017.

Figure 3 shows the Index of Services (IoS) month-on-month growth rates since January 2015 and Figure 4 shows the month-on-month contributions of each of the main IoS components for October 2017.

Figure 3: Index of Services headline growth rates from January 2015 to October 2017

UK

Figure 3: Index of Services headline growth rates from January 2015 to October 2017

UK
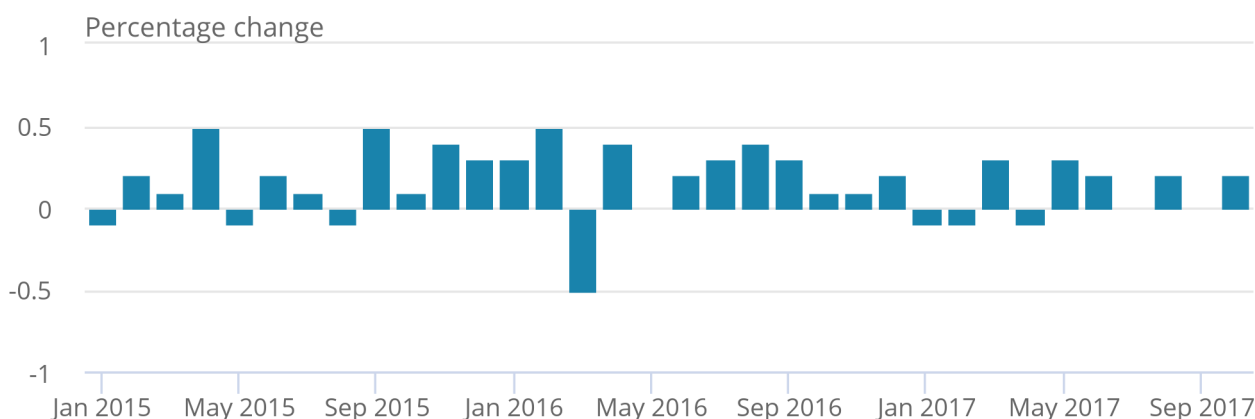
Source: Office for National Statistics

Figure 4: Contributions[1] to growth in services between September 2017 and October 2017

UK
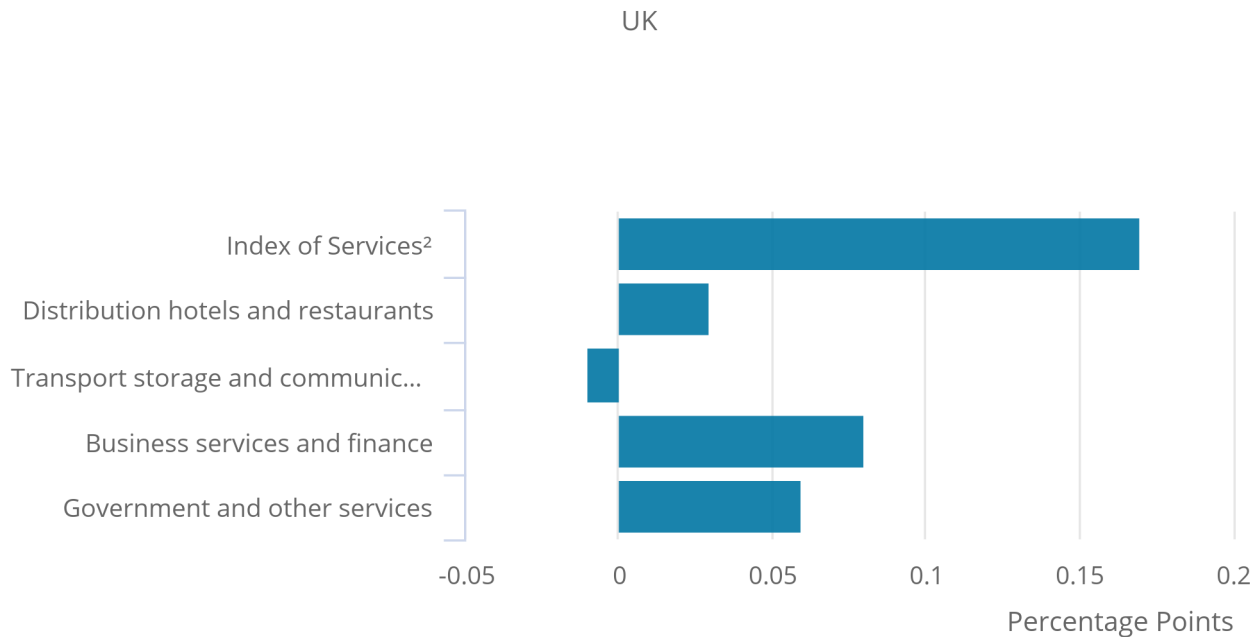
Source: UK Office for National Statistics

Notes:

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

2. Percentage change.

Three of the four main components of the services industries increased during October 2017. In order of their contribution to growth:

- business services and finance increased by 0.2%, contributing 0.08 percentage points

- government and other services increased by 0.2%, contributing 0.06 percentage points

- distribution, hotels and restaurants increased by 0.2%, contributing 0.03 percentage points

- transport, storage and communication decreased by 0.1%, contributing negative 0.01 percentage points

The industries with the largest contributions to the 0.2% rise in October 2017 were employment activities, wholesale trade and owned or leased real estate. They each contributed 0.04 percentage points and increased by 3.2%, 1.0% and 0.9% respectively.

With an IoS weight of 1.3%, employment activities has three main components:

- employment placement agencies

- temporary employment agencies

- human resources provision

Figure 5 shows the total returned turnover in pounds thousands for employment activities and large businesses for the same industry. Returned turnover for this industry is based on the Monthly Business Survey and is non-seasonally adjusted current price data that hasn't been deflated. Large businesses for employment activities are defined as businesses with 100 or more employees.

Figure 5: Total turnover for employment activities and its large businesses from January 2015 to October 2017

UK

Figure 5: Total turnover for employment activities and its large businesses from January 2015 to October 2017

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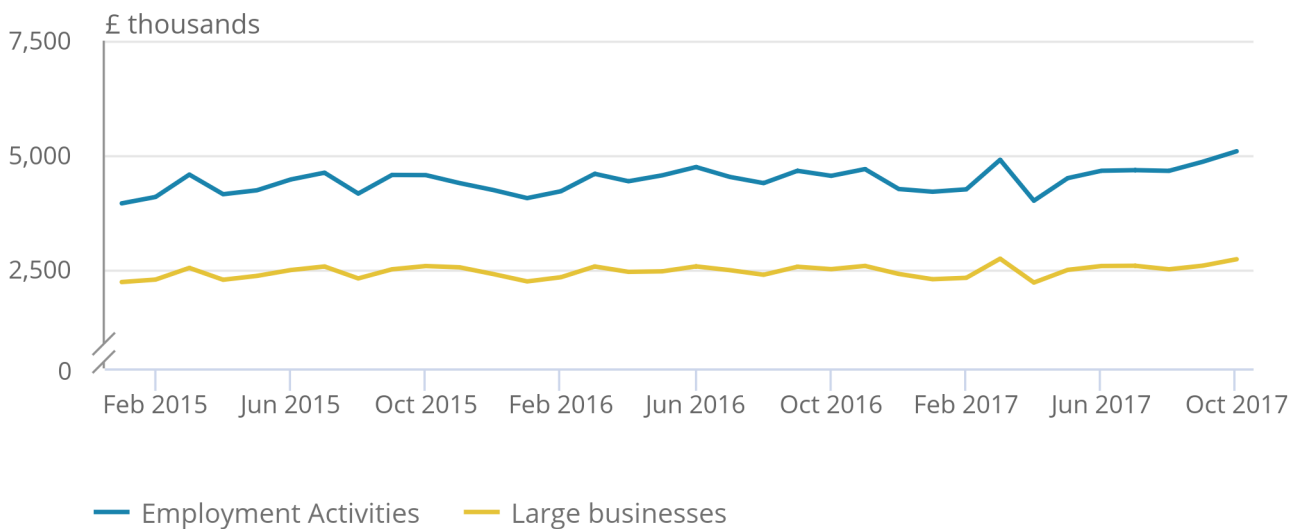
Source: Office for National Statistics

Notes:

1. No Value Added Tax (VAT) data have been used for this industry.

2. Data for the total turnover in employment activities is comparable to data in the Monthly Business Survey turnover of services industries dataset.

Employment activities has seen steady growth since April 2017, where Easter contributed to a fall. This industry has also seen higher levels in 2017 compared with previous years. Employment placement agencies and temporary employment agencies are the components that have contributed most to the growth since April 2017 and the industry movement is also reflected in the industry's largest businesses.

Elsewhere, industries offsetting some of the October 2017 growth were motor trade and motion pictures, both contributing negative 0.05 percentage points. Motor trade decreased by 2.2%, a larger than normal fall following new car registrations in September 2017. Motion picture distribution was again the main component causing the movement in motion pictures; the industry fell this month by 5.2%. In light of recent data, we have now reviewed and updated the seasonal adjustment parameters for the motion pictures industry; this has smoothed the monthly profile from January 2016.

An ONS Visual article, Paddington, Star Wars and the rise of the UK film industry, was published on 14 December 2017, giving further insight into the film industry. More, information can also be found on the British Film Institute (BFI) website

6 . Three-month services growth on a year ago the lowest in four years

Figure 6 shows the three-month on a year ago growth rates since January 2012 and Figure 7 shows the three-month on a year ago contributions of each of the main Index of Services (IoS) components.

Figure 6: Three-month on a year ago growth between January 2012 and October 2017

UK

Figure 6: Three-month on a year ago growth between January 2012 and October 2017

UK
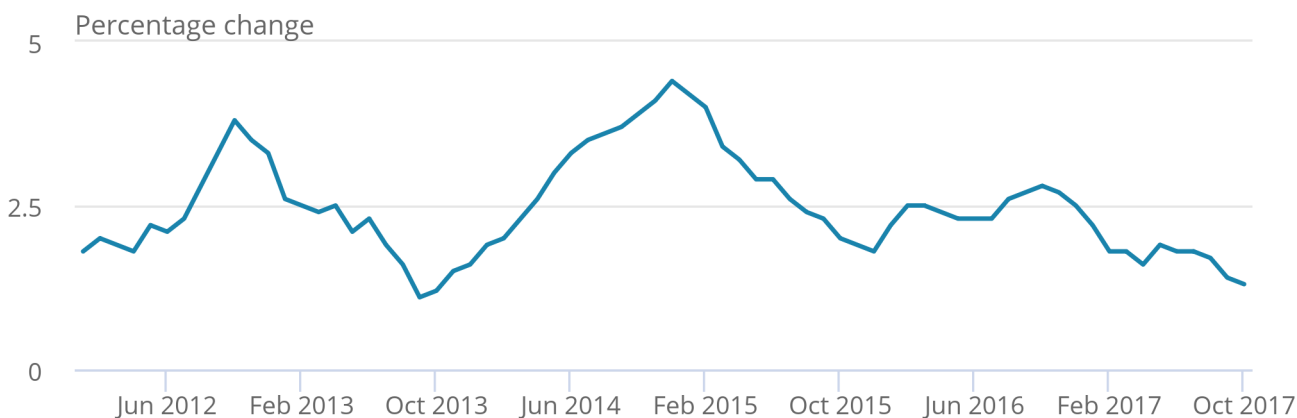
Source: Office for National Statistics

In the three months to October 2017, services output increased by 1.3% compared with the three months ending October 2016. This is the third consecutive month where the three-month on a year ago growth increase has weakened. The three-month on a year ago growth is now at its lowest since the three months to October 2013.

Figure 7: Contributions[1] to growth in services during the three months to October 2017 compared with the three months ending October 2016

UK

Figure 7: Contributions^1^ to growth in services during the three months to October 2017 compared with the three months ending October 2016

UK
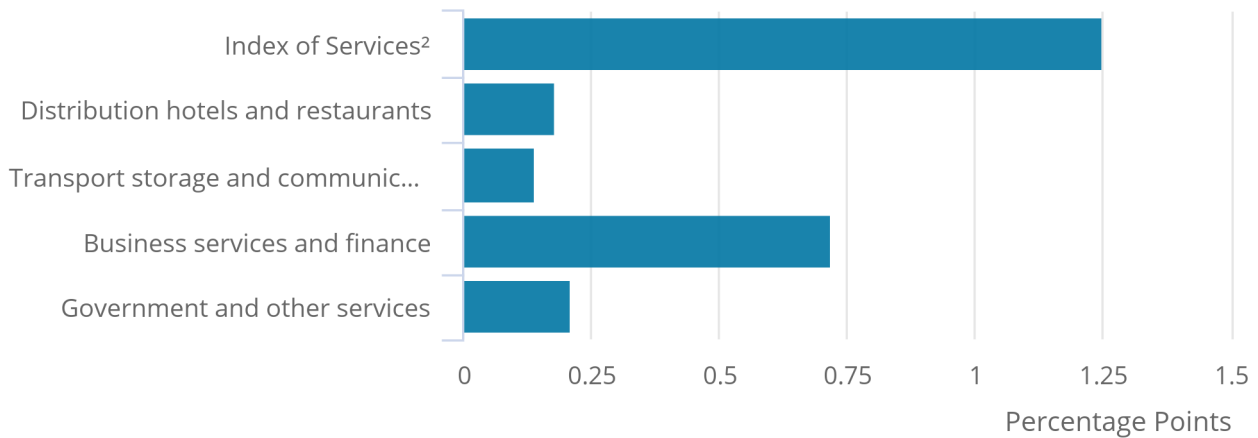
Source: Office for National Statistics

Notes:

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

2. Percentage change.

Two of the four main components of the services industries are contributing to the slowdown in the three-month on a year ago growth. In the three months to October 2017, the transport, storage and communication sector increased by 1.0% and contributed 0.14 percentage points compared with the three months ending October 2016. In comparison, this sector increased 6.1% and contributed 0.81 percentage points in the three months ending October 2016. Distribution, hotels and restaurants increased by 1.0% and contributed 0.18 percentage points in October 2017. This sector has also seen a slowdown in growth; it increased 5.6% in October 2016, contributing 0.97 percentage points.

Business services and finance's three-month on a year ago growth has remained constant in 2017 and in October 2017 it increased by 1.7%, contributing 0.72 percentage points. There has been a slight slowdown since the three months to October 2016, where the sector increased 2.2%, contributing 0.93 percentage points.

In contrast with the other three components, government and other services has seen a rise in the three-month on a year ago growth since the start of the year. In October 2017, this sector increased by 0.8%, contributing 0.21 percentage points.

The industries with the largest contribution to the 1.3% three-month on a year ago services rise were:

- education, which increased by 2.1%, contributing 0.15 percentage points

- owned or leased real estate, which increased by 3.1%, contributing 0.14 percentage points

- computer programming, which increased by 4.4%, contributing 0.14 percentage points

- wholesale trade, which increased by 3.2%, contributing 0.14 percentage points

7 . 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 (XLS, 951.3KB).

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.

8 . What's changed in this release?

This is the first release, along with the Quarterly national accounts: July to September 2017, to use Value Added Tax (VAT) data. This has been used alongside the Monthly Business Survey data in the production of gross domestic product (GDP). Further information on the use of VAT data has been published today in an article, VAT turnover implementation into UK National Accounts: December update.

As a result of this change, we have stopped the publication of Turnover in production and services industries (TOPSI), which is based on the Monthly Business Survey (MBS). Instead, starting from this release, we now publish MBS Turnover in services industries as an additional table accompanying the Index of Services publication.

We have now reviewed and updated the seasonal adjustment parameters for the motion pictures industry. These changes have revised the series and revisions can be seen from January 2016.

9 . Feedback on this bulletin

We welcome your feedback on this bulletin via our short survey.

10 . 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 79.3% of UK gross domestic product (GDP) as of 2015. 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

IOS1 IOS: Index of Services [1]
Chained volume indices of gross value added [2,3,4]

seasonally adjusted 2015 = 100

	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Govern- ment and other services
			Industry sections (SIC2007)		
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	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	104.7	104.7	102.2	100.6
2015 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	102.9	102.9	101.0	100.8
Feb	102.0	103.1	103.1	101.9	101.1
Mar	101.6	103.2	101.8	101.4	100.6
Apr	102.0	103.4	103.2	102.1	100.5
May	102.0	104.2	102.5	101.7	100.6
Jun	102.2	104.1	103.3	102.1	100.6
Jul	102.5	104.0	104.8	102.3	100.8
Aug	102.9	105.3	106.0	102.5	100.5
Sep	103.2	106.2	106.7	102.8	100.3
Oct	103.3	106.8	107.4	102.7	100.2
Nov	103.4	106.9	106.6	103.1	100.2
Dec	103.6	106.6	108.2	103.0	100.3
2017 Jan	103.5	105.5	106.1	103.6	100.7
Feb	103.3	106.6	105.8	103.1	100.6
Mar	103.7	106.3	107.0	103.4	100.8
Apr	103.6	106.4	107.2	103.0	101.0
May	103.9	106.6	107.7	103.7	101.0
Jun	104.2	107.1	108.3	103.8	100.9
Jul	104.1	107.5	107.5	103.9	100.8
Aug	104.4	107.4	107.7	104.3	101.1
Sep	104.4	106.9	107.9	104.5	101.1
Oct	104.6	107.1	107.8	104.7	101.3
Percentage change, latest year on previous year					
	S222	S243	KI77	KI7G	KI7O
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	4.7	4.7	2.2	0.6
Percentage change, latest month on same month a year ago					
	S26Q	S28R	KI7A	KI7I	KI7Q
2015 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	4.9	4.5	1.6	1.5
Feb	2.8	4.4	4.1	2.6	1.4
Mar	2.3	4.0	3.4	2.0	1.0
Apr	2.2	3.8	4.1	2.2	0.5
May	2.3	4.9	2.8	2.1	0.6
Jun	2.3	4.2	3.0	2.4	0.7
Jul	2.5	3.7	4.2	2.4	0.9
Aug	2.9	5.7	4.9	2.5	0.9
Sep	2.8	5.3	6.6	2.1	0.3
Oct	2.8	5.8	6.9	2.1	0.2
Nov	2.5	5.4	5.1	2.4	-0.5
Dec	2.3	4.4	6.7	2.2	-0.8
2017 Jan	1.9	2.6	3.1	2.6	-0.1
Feb	1.3	3.4	2.7	1.2	-0.6
Mar	2.1	3.1	5.1	2.0	0.2
Apr	1.6	2.9	3.8	1.0	0.5
May	1.9	2.2	5.1	1.9	0.3
Jun	1.9	2.9	4.9	1.7	0.3
Jul	1.6	3.4	2.6	1.6	0.1
Aug	1.4	2.0	1.6	1.7	0.5
Sep	1.1	0.7	1.1	1.6	0.7
Oct	1.2	0.3	0.4	1.9	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

IOS1
continued

IOS: Index of Services [1]
Chained volume indices of gross value added [2,3,4]

seasonally adjusted 2015 = 100

			Industry sections (SIC2007)		
	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Govern- ment 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 month on previous month

	S222	S243	KI77	KI7G	KI7O
2015 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	0.7	1.5	0.1	-0.3
Feb	0.5	0.2	0.1	0.9	0.3
Mar	-0.5	0.1	-1.3	-0.4	-0.5
Apr	0.4	0.2	1.4	0.6	-0.1
May	-	0.8	-0.7	-0.3	0.1
Jun	0.2	-0.1	0.7	0.3	-
Jul	0.3	-0.2	1.4	0.2	0.2
Aug	0.4	1.2	1.2	0.2	-0.2
Sep	0.3	0.8	0.7	0.3	-0.2
Oct	0.1	0.6	0.6	-0.1	-0.1
Nov	0.1	0.1	-0.7	0.4	-0.1
Dec	0.2	-0.3	1.6	-0.1	0.2
2017 Jan	-0.1	-1.0	-2.0	0.6	0.4
Feb	-0.1	1.0	-0.3	-0.5	-0.1
Mar	0.3	-0.3	1.1	0.3	0.3
Apr	-0.1	0.1	0.2	-0.4	0.2
May	0.3	0.1	0.5	0.6	-
Jun	0.2	0.5	0.5	0.1	-0.1
Jul	-	0.4	-0.7	0.1	-0.1
Aug	0.2	-0.1	0.1	0.4	0.2
Sep	-	-0.4	0.2	0.2	-
Oct	0.2	0.2	-0.1	0.2	0.2

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

	S2G6	S2I7	KI7C	KI7J	KI7R
2015 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	4.2	3.6	1.6	1.2
Feb	2.5	4.4	4.0	1.9	1.4
Mar	2.5	4.5	4.0	2.1	1.3
Apr	2.4	4.1	3.9	2.2	1.0
May	2.3	4.3	3.4	2.1	0.7
Jun	2.3	4.3	3.3	2.2	0.6
Jul	2.3	4.3	3.3	2.3	0.7
Aug	2.6	4.5	4.0	2.4	0.8
Sep	2.7	4.9	5.2	2.3	0.7
Oct	2.8	5.6	6.1	2.2	0.5
Nov	2.7	5.5	6.2	2.2	-
Dec	2.5	5.2	6.3	2.2	-0.4
2017 Jan	2.2	4.1	5.0	2.4	-0.5
Feb	1.8	3.5	4.1	2.0	-0.5
Mar	1.8	3.0	3.6	1.9	-0.2
Apr	1.6	3.1	3.9	1.4	-
May	1.9	2.7	4.7	1.6	0.3
Jun	1.8	2.7	4.6	1.5	0.4
Jul	1.8	2.8	4.2	1.7	0.2
Aug	1.7	2.8	3.0	1.7	0.3
Sep	1.4	2.0	1.8	1.6	0.4
Oct	1.3	1.0	1.0	1.7	0.8

1 The IOS output is designated as a National Statistic.
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Chained volume indices of gross value added [2,3,4]

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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 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	1.7	1.4	0.4	1.0
Feb	1.0	1.6	1.8	0.6	0.8
Mar	0.8	1.5	1.5	0.7	0.3
Apr	0.6	1.0	0.8	0.9	-0.1
May	0.2	0.9	-	0.5	-0.4
Jun	0.3	0.9	0.4	0.5	-0.3
Jul	0.3	0.9	0.8	0.3	-0.1
Aug	0.7	0.8	2.1	0.5	-
Sep	0.8	1.2	2.8	0.6	-
Oct	0.9	1.9	3.1	0.6	-0.3
Nov	0.8	2.1	2.1	0.6	-0.4
Dec	0.6	1.6	1.5	0.4	-0.3
2017 Jan	0.3	0.3	0.3	0.6	-
Feb	0.1	-0.3	-0.2	0.4	0.3
Mar	0.1	-0.6	-1.0	0.4	0.5
Apr	0.1	0.1	-0.3	-0.1	0.4
May	0.3	0.2	0.5	0.1	0.4
Jun	0.4	0.5	1.4	0.1	0.3
Jul	0.5	0.6	1.1	0.6	0.1
Aug	0.5	0.8	0.5	0.6	-
Sep	0.4	0.5	-	0.7	-
Oct	0.3	0.1	-0.1	0.6	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
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RIOS1

IOS: Index of Services
Revisions since previously published estimates

seasonally adjusted 2015 = 100

		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	-	-	-	-	-
2013	-	-	-	-	-
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	-	-0.4	0.6	0.5	-0.7
2015 Sep	-	-	0.0	-	0.0
Oct	-	-	0.0	-	0.0
Nov	-	-	0.0	-	0.0
Dec	-	-	0.0	-	0.0
2016 Jan	-	-0.5	0.1	0.2	-0.1
Feb	-	-0.3	0.3	0.4	-0.2
Mar	0.1	-0.2	0.2	0.3	-0.3
Apr	-	-0.2	0.1	0.3	-0.4
May	-	-0.3	0.3	0.3	-0.5
Jun	-0.1	-0.3	0.3	0.4	-0.7
Jul	-	-0.1	0.2	0.6	-0.8
Aug	0.1	-0.3	0.8	0.6	-1.0
Sep	0.1	-0.1	0.9	0.7	-1.2
Oct	0.1	-0.5	1.9	0.7	-1.3
Nov	-	-0.6	1.7	0.8	-1.4
Dec	-	-0.6	1.0	0.7	-1.4
2017 Jan	0.1	-0.3	1.5	0.6	-1.3
Feb	-	-0.2	1.4	0.5	-1.2
Mar	-0.1	-0.3	0.8	0.5	-1.3
Apr	-	-0.7	1.7	0.5	-1.3
May	-	-0.7	1.7	0.6	-1.2
Jun	-0.1	-0.6	1.0	0.6	-1.3
Jul	-0.1	-0.4	1.3	0.6	-1.5
Aug	0.1	-0.5	1.6	0.7	-1.4
Sep	-	-0.3	1.4	0.7	-1.5

Percentage change, latest year on previous year

	S222	S243	KI77	KI7G	KI7O
2012	-	-	-	-	-
2013	-	-	-	-	-
2014	-	-	-	-	-
2015	-	-	-	-	-
2016	-	-0.4	0.6	0.5	-0.7

Percentage change, latest month on same month a year ago

	S26Q	S28R	KI7A	KI7I	KI7Q
2015 Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2016 Jan	-	-0.6	0.1	0.2	-
Feb	0.1	-0.3	0.3	0.3	-0.2
Mar	0.1	-0.3	0.2	0.3	-0.3
Apr	-	-0.2	0.1	0.3	-0.3
May	-	-0.3	0.3	0.3	-0.5
Jun	-0.1	-0.3	0.3	0.4	-0.7
Jul	-	-0.1	0.2	0.5	-0.9
Aug	-	-0.4	0.8	0.6	-0.9
Sep	0.1	-0.2	0.9	0.7	-1.2
Oct	0.1	-0.5	1.8	0.8	-1.2
Nov	0.1	-0.5	1.6	0.8	-1.5
Dec	-0.1	-0.5	1.0	0.8	-1.4
2017 Jan	0.1	0.3	1.4	0.4	-1.2
Feb	-0.1	0.1	1.2	0.1	-1.1
Mar	-0.1	-	0.6	0.3	-1.0
Apr	-	-0.5	1.5	0.3	-0.9
May	-	-0.5	1.4	0.3	-0.8
Jun	-0.1	-0.2	0.7	0.2	-0.6
Jul	-0.1	-0.3	1.0	0.1	-0.5
Aug	-	-0.1	0.8	-	-0.5
Sep	-0.1	-0.2	0.4	-0.1	-0.3

The earliest period open for revision is January 2016

RIOS1

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Revisions since previously published estimates

seasonally adjusted 2015 = 100

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			Industry sections (SIC2007)		
Section	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 Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2016 Jan	-	-0.5	0.1	0.2	-0.1
Feb	0.1	0.3	0.1	0.2	-0.1
Mar	-0.1	0.1	-0.1	-	-0.1
Apr	-0.1	-	-	-	-0.1
May	0.1	-	0.2	0.1	-0.1
Jun	-0.1	-0.1	-0.1	-	-0.2
Jul	0.1	0.1	-0.1	0.2	-0.1
Aug	-	-0.2	0.6	0.1	-0.1
Sep	0.1	0.1	0.2	0.1	-0.2
Oct	-	-0.3	0.8	-	-0.1
Nov	-	-0.1	-0.1	0.1	-0.2
Dec	-0.1	-	-0.6	-0.1	0.1
2017 Jan	0.1	0.3	0.5	-0.1	0.1
Feb	-	0.1	-0.1	-0.1	0.1
Mar	-0.1	-0.1	-0.7	-	0.1
Apr	-	-0.4	0.9	-	-
May	-	-	-	0.1	-
Jun	-0.1	0.1	-0.8	-0.1	-0.1
Jul	0.1	0.2	0.4	-	-0.1
Aug	0.1	-	0.2	0.2	-
Sep	-0.1	0.2	-0.2	-	-0.1

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

	S2G6	S2I7	KI7C	KI7J	KI7R
2015 Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2016 Jan	-	-0.2	-	0.1	-
Feb	-	-0.3	0.1	0.2	-0.1
Mar	-	-0.3	0.2	0.3	-0.2
Apr	-	-0.2	0.2	0.2	-0.2
May	0.1	-0.2	0.2	0.3	-0.4
Jun	-	-0.3	0.2	0.3	-0.5
Jul	-0.1	-0.2	0.2	0.4	-0.7
Aug	-	-0.3	0.4	0.5	-0.9
Sep	-	-0.2	0.6	0.6	-1.0
Oct	-	-0.4	1.2	0.7	-1.1
Nov	0.1	-0.4	1.5	0.7	-1.3
Dec	-	-0.5	1.5	0.7	-1.4
2017 Jan	-	-0.3	1.4	0.7	-1.4
Feb	-0.1	-	1.2	0.4	-1.2
Mar	-	0.1	1.0	0.2	-1.2
Apr	-0.1	-0.2	1.1	0.2	-1.0
May	-	-0.4	1.2	0.3	-0.9
Jun	-	-0.4	1.2	0.2	-0.7
Jul	-0.1	-0.4	1.1	0.2	-0.7
Aug	-	-0.2	0.8	0.1	-0.5
Sep	-	-0.2	0.8	-	-0.5

The earliest period open for revision is January 2016

RIOS1

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seasonally adjusted 2015 = 100

	Total service industries	Distribution hotels and restaurants	Transport, storage and communication	Business services and finance	Govern- ment 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 Sep	-	-	-	-	-
Oct	-	-	-	-	-
Nov	-	-	-	-	-
Dec	-	-	-	-	-
2016 Jan	-	-0.2	0.1	-	-
Feb	-	-0.3	0.1	0.2	-0.1
Mar	-	-0.4	0.2	0.3	-0.1
Apr	-	-0.1	0.2	0.2	-0.2
May	-0.1	0.1	0.1	0.1	-0.2
Jun	-0.1	0.1	0.1	-	-0.4
Jul	-0.1	-	0.1	0.2	-0.4
Aug	-	-0.1	0.2	0.2	-0.5
Sep	0.1	0.1	0.4	0.4	-0.4
Oct	0.1	-0.1	0.9	0.3	-0.4
Nov	0.1	-0.1	1.0	0.3	-0.5
Dec	-	-0.3	0.8	0.1	-0.4
2017 Jan	-0.1	-0.1	0.3	0.1	-0.3
Feb	-0.1	0.1	-0.2	-0.1	-
Mar	-	0.2	-0.2	-0.2	0.1
Apr	-	0.1	-0.1	-0.2	0.1
May	-	-0.2	-	-0.1	0.1
Jun	-	-0.4	0.2	-	-
Jul	-	-0.1	-	0.1	-0.1
Aug	-	-	-0.1	0.1	-0.1
Sep	-	0.2	-	0.1	-0.2

The earliest period open for revision is January 2016

IOSCOMP

IOS: Index of Services
Chained volume indices of gross value added [1,2,3]

seasonally adjusted 2015 = 100

	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	110.4	102.3	104.6	101.4	106.8
2015 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	102.6	100.9	103.8
Feb	110.7	100.4	102.7	100.8	106.6
Mar	110.8	100.9	102.7	98.2	104.2
Apr	110.7	101.5	102.9	102.3	104.9
May	109.2	100.8	105.1	100.2	106.5
Jun	109.4	102.1	103.4	101.3	107.4
Jul	106.7	100.7	105.4	99.9	108.8
Aug	109.4	102.5	105.3	101.9	108.7
Sep	113.1	103.3	105.6	103.0	109.1
Oct	112.8	103.5	107.6	103.5	108.4
Nov	111.0	104.7	107.3	102.2	106.5
Dec	112.9	106.6	105.0	102.5	107.2
2017 Jan	110.8	103.6	104.8	102.2	108.0
Feb	110.1	104.9	106.0	101.8	111.5
Mar	114.5	104.0	104.8	101.9	112.6
Apr	107.3	105.0	106.8	101.0	114.2
May	111.0	105.0	106.1	102.7	114.9
Jun	111.8	107.4	106.2	99.3	116.2
Jul	111.4	106.1	106.7	100.4	115.9
Aug	111.7	106.1	107.7	100.2	116.0
Sep	111.6	106.1	106.9	100.0	116.3
Oct	109.2	107.2	107.2	99.4	116.1

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	10.4	2.3	4.6	1.4	6.8

Percentage change, latest month on same month a year ago

	S26S	S26T	S26U	KFI6	S26Z
2015 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	1.6	3.8	2.0	6.1
Feb	13.6	1.4	3.8	1.5	13.5
Mar	15.7	1.1	3.6	-0.8	6.4
Apr	12.9	1.1	3.2	2.9	4.5
May	10.3	1.3	5.6	0.5	6.0
Jun	8.2	2.0	3.5	1.1	7.1
Jul	5.7	-0.5	5.5	0.1	7.7
Aug	10.0	1.7	6.1	1.9	7.4
Sep	11.4	4.7	4.0	2.4	8.0
Oct	10.6	3.4	7.2	2.9	5.5
Nov	8.0	5.0	5.1	0.4	3.7
Dec	5.5	5.3	4.1	2.0	6.7
2017 Jan	1.9	2.3	2.1	1.3	4.1
Feb	-0.5	4.5	3.2	0.9	4.6
Mar	3.4	3.1	2.0	3.8	8.1
Apr	-3.1	3.5	3.8	-1.3	8.9
May	1.6	4.2	1.0	2.4	7.8
Jun	2.2	5.2	2.7	-2.0	8.2
Jul	4.4	5.4	1.3	0.5	6.5
Aug	2.1	3.5	2.3	-1.7	6.7
Sep	-1.3	2.7	1.2	-2.9	6.6
Oct	-3.1	3.5	-0.3	-4.0	7.1

1 Indices reflect values measured at basic prices, which exclude "taxes less
  subsidies on products".
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IOSCOMP
IOS: Index of Services
Chained volume indices of gross value added [1,2,3]　　　　seasonally adjusted 2015 = 100
continued

	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
			Industry components (SIC2007)		
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 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	0.1	1.7	0.3	3.2
Feb	1.8	-0.8	0.1	-	2.7
Mar	0.1	0.5	-	-2.6	-2.2
Apr	-	0.6	0.2	4.2	0.7
May	-1.3	-0.7	2.1	-2.0	1.6
Jun	0.2	1.3	-1.6	1.1	0.8
Jul	-2.4	-1.3	2.0	-1.4	1.3
Aug	2.4	1.8	-0.1	2.0	-0.1
Sep	3.4	0.8	0.3	1.0	0.4
Oct	-0.3	0.2	1.9	0.5	-0.6
Nov	-1.5	1.2	-0.2	-1.2	-1.8
Dec	1.7	1.8	-2.2	0.3	0.7
2017 Jan	-1.8	-2.8	-0.1	-0.3	0.7
Feb	-0.7	1.3	1.1	-0.4	3.2
Mar	4.0	-0.9	-1.1	0.2	1.0
Apr	-6.3	1.1	1.9	-0.9	1.4
May	3.5	-	-0.7	1.7	0.6
Jun	0.8	2.2	0.1	-3.3	1.2
Jul	-0.4	-1.2	0.5	1.1	-0.3
Aug	0.2	-	0.9	-0.2	0.1
Sep	-0.1	-	-0.7	-0.2	0.3
Oct	-2.2	1.0	0.3	-0.6	-0.2

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

	S2G8	S2G9	S2GA	KFI8	S2GF
2015 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	11.9	1.4	3.2	1.9	4.5
Feb	13.5	1.8	3.2	1.7	7.3
Mar	14.6	1.4	3.8	0.9	8.6
Apr	14.0	1.2	3.6	1.2	8.0
May	12.9	1.2	4.2	0.8	5.6
Jun	10.4	1.5	4.1	1.5	5.9
Jul	8.0	0.9	4.9	0.5	6.9
Aug	7.9	1.1	5.0	1.0	7.4
Sep	9.0	1.9	5.2	1.5	7.7
Oct	10.7	3.3	5.7	2.4	7.0
Nov	10.0	4.4	5.4	1.9	5.7
Dec	8.0	4.6	5.4	1.7	5.3
2017 Jan	5.1	4.2	3.8	1.2	4.8
Feb	2.3	4.1	3.1	1.4	5.1
Mar	1.6	3.3	2.5	2.0	5.6
Apr	-0.1	3.7	3.0	1.1	7.2
May	0.6	3.6	2.3	1.6	8.3
Jun	0.2	4.3	2.5	-0.3	8.3
Jul	2.7	4.9	1.6	0.3	7.5
Aug	2.9	4.7	2.1	-1.1	7.1
Sep	1.7	3.8	1.6	-1.4	6.6
Oct	-0.8	3.2	1.1	-2.9	6.8

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Chained volume indices of gross value added[1,2,3]

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	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 3 months on previous 3 months

	S2BI	S2BJ	S2BK	KFJ2	S2BP
2015 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	0.9	1.4	0.7	0.6
Feb	6.6	1.5	0.7	-0.2	1.4
Mar	5.9	0.5	1.6	-1.0	2.8
Apr	4.2	0.2	0.9	-0.6	2.8
May	1.3	0.1	1.5	-0.5	1.5
Jun	-0.3	0.6	1.1	1.3	1.4
Jul	-2.0	0.3	1.8	-	2.3
Aug	-1.6	0.7	1.1	0.8	3.0
Sep	-0.1	0.7	1.6	0.3	2.4
Oct	3.0	1.9	1.5	2.3	1.1
Nov	3.5	2.0	2.1	1.8	-0.3
Dec	2.3	2.7	1.1	1.1	-1.4
2017 Jan	-0.1	1.8	-0.4	-0.5	-1.4
Feb	-0.9	1.2	-1.5	-0.7	0.8
Mar	-0.4	-0.7	-1.3	-0.8	3.1
Apr	-0.9	-0.3	0.2	-0.7	5.2
May	-0.3	-0.3	0.6	-0.3	4.6
Jun	-1.6	1.6	1.1	-1.0	4.0
Jul	0.7	1.5	0.4	-0.8	2.5
Aug	0.6	1.8	0.9	-1.9	1.9
Sep	1.4	0.3	0.7	-0.8	0.8
Oct	-0.5	0.3	0.9	-0.9	0.4

1 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
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Chained volume indices of gross value added [1,2,3]

seasonally adjusted 2015 = 100

	Industry components (SIC2007)				
	Warehouse 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
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	96.5	104.1	104.8	103.7	112.6
2015 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	96.1	106.5	100.6	101.8	106.1
Feb	96.2	104.2	106.1	100.6	108.4
Mar	95.4	101.2	105.1	100.6	109.5
Apr	97.6	102.1	103.3	101.4	107.7
May	96.2	103.0	103.4	103.6	106.6
Jun	95.8	101.4	104.0	104.8	110.3
Jul	96.9	100.8	103.8	103.3	115.7
Aug	96.6	102.6	106.5	105.6	116.2
Sep	95.7	104.4	104.2	106.8	118.9
Oct	96.0	105.5	106.4	104.8	114.7
Nov	96.1	107.2	107.0	105.8	116.0
Dec	99.3	110.3	106.9	105.3	121.6
2017 Jan	98.2	107.1	105.3	106.0	113.6
Feb	98.2	104.8	104.4	108.7	111.7
Mar	98.7	111.4	104.7	107.4	114.9
Apr	98.2	105.9	106.2	107.0	111.8
May	97.8	112.1	105.3	106.8	114.9
Jun	97.7	111.6	104.1	106.1	117.0
Jul	96.9	110.7	108.1	108.1	111.1
Aug	97.1	111.7	103.8	106.3	114.4
Sep	98.3	110.1	103.8	105.3	114.2
Oct	100.9	110.8	104.1	106.0	111.7

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	-3.5	4.1	4.8	3.7	12.6

Percentage change, latest month on same month a year ago

	S272	S273	S275	S276	KFM4
2015 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	-5.2	7.9	6.7	3.8	9.1
Feb	-4.8	7.6	9.1	1.3	10.1
Mar	-6.1	3.9	3.6	0.2	14.1
Apr	-3.4	2.9	5.3	1.1	10.9
May	-4.5	5.8	5.4	4.1	7.9
Jun	-5.2	2.3	4.7	5.9	8.3
Jul	-3.8	-0.5	3.9	3.9	13.6
Aug	-3.5	2.3	7.5	7.0	15.3
Sep	-5.2	4.5	1.8	5.9	19.9
Oct	-1.9	2.8	1.4	3.5	13.5
Nov	-1.8	8.5	5.2	4.6	12.8
Dec	3.9	1.7	3.2	3.2	16.1
2017 Jan	2.2	0.6	4.6	4.1	7.0
Feb	2.0	0.6	-1.5	8.1	3.1
Mar	3.5	10.1	-0.4	6.7	5.0
Apr	0.5	3.7	2.8	5.5	3.8
May	1.7	8.8	1.8	3.1	7.8
Jun	2.0	10.0	0.1	1.2	6.0
Jul	-	9.8	4.2	4.6	-4.0
Aug	0.6	8.9	-2.6	0.6	-1.5
Sep	2.7	5.5	-0.3	-1.4	-4.0
Oct	5.1	5.0	-2.1	1.1	-2.6

IOSCOMP
continued

IOS: Index of Services
Chained volume indices of gross value added [1,2,3]   seasonally adjusted 2015 = 100

	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
2015 weights	**14**	**8**	**10**	**27**	**20**

Percentage change, latest month on previous month

	S22C	S22D	S22F	S22G	KFW7
2015 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	0.5	-1.8	-2.9	-0.3	1.3
Feb	0.1	-2.1	5.4	-1.2	2.1
Mar	-0.9	-2.9	-0.9	-	1.0
Apr	2.4	1.0	-1.7	0.8	-1.6
May	-1.5	0.8	0.1	2.2	-1.1
Jun	-0.5	-1.5	0.5	1.2	3.5
Jul	1.2	-0.6	-0.2	-1.5	4.8
Aug	-0.3	1.7	2.6	2.2	0.4
Sep	-0.9	1.7	-2.2	1.1	2.4
Oct	0.3	1.1	2.1	-1.8	-3.6
Nov	-	1.6	0.6	0.9	1.1
Dec	3.4	2.9	-0.1	-0.4	4.8
2017 Jan	-1.1	-2.9	-1.5	0.6	-6.6
Feb	-	-2.2	-0.8	2.6	-1.7
Mar	0.5	6.3	0.3	-1.2	2.9
Apr	-0.5	-4.9	1.4	-0.4	-2.7
May	-0.4	5.8	-0.8	-0.2	2.8
Jun	-0.1	-0.4	-1.1	-0.6	1.8
Jul	-0.9	-0.8	3.8	1.9	-5.0
Aug	0.3	0.9	-4.0	-1.7	3.0
Sep	1.2	-1.5	0.1	-0.9	-0.2
Oct	2.6	0.7	0.3	0.7	-2.2

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

	S2GG	S2GH	S2GJ	S2GK	KFM6
2015 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	-6.5	5.9	8.4	2.9	10.4
Feb	-6.4	8.9	8.6	2.6	10.7
Mar	-5.4	6.4	6.4	1.7	11.1
Apr	-4.8	4.8	5.9	0.8	11.7
May	-4.7	4.2	4.7	1.8	10.9
Jun	-4.4	3.7	5.1	3.7	9.0
Jul	-4.5	2.5	4.7	4.6	9.9
Aug	-4.2	1.4	5.4	5.6	12.4
Sep	-4.2	2.1	4.4	5.6	16.2
Oct	-3.6	3.2	3.5	5.5	16.2
Nov	-3.0	5.3	2.8	4.7	15.4
Dec	-	4.3	3.2	3.7	14.2
2017 Jan	1.4	3.5	4.3	3.9	12.0
Feb	2.7	1.0	2.0	5.1	8.7
Mar	2.6	3.7	0.8	6.3	5.0
Apr	2.0	4.8	0.3	6.8	3.9
May	1.9	7.5	1.4	5.1	5.5
Jun	1.4	7.5	1.6	3.3	5.9
Jul	1.2	9.6	2.0	3.0	3.1
Aug	0.9	9.6	0.5	2.1	0.1
Sep	1.1	8.0	0.4	1.3	-3.2
Oct	2.8	6.4	-1.7	0.1	-2.7

IOS: Index of Services
Chained volume indices of gross value added[1,2,3]

seasonally adjusted 2015 = 100

	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
2015 weights	**14**	**8**	**10**	**27**	**20**

Percentage change, latest 3 months on previous 3 months

	S2BQ	S2BR	S2BT	S2BU	KFM8
2015 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	-3.1	3.6	-0.1	1.4	4.2
Feb	-3.0	5.9	0.5	0.4	5.4
Mar	-1.3	0.6	0.5	-0.5	5.0
Apr	-0.1	-2.0	2.8	-0.8	3.8
May	0.5	-4.0	0.5	0.4	1.4
Jun	0.7	-1.7	-0.3	2.2	0.2
Jul	-0.1	-0.7	-1.0	3.0	2.1
Aug	-	-0.5	0.8	2.7	5.7
Sep	-0.2	0.4	1.2	1.9	8.0
Oct	-0.2	2.4	1.9	1.8	5.2
Nov	-0.5	4.0	1.0	1.2	2.2
Dec	0.8	5.0	1.9	0.1	0.4
2017 Jan	1.8	3.9	0.7	-	0.4
Feb	2.7	1.6	-0.3	0.8	-0.8
Mar	1.3	0.1	-1.8	1.9	-3.4
Apr	0.5	-0.8	-1.2	1.9	-3.7
May	-0.3	2.2	-0.1	0.4	-1.5
Jun	-0.5	1.9	0.4	-0.7	1.0
Jul	-0.9	3.8	0.7	-0.6	1.4
Aug	-1.0	1.4	-0.1	-0.2	0.2
Sep	-0.5	0.9	-	-0.1	-1.2
Oct	1.3	-0.5	-1.8	-1.1	-0.8

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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

IOSCOMP

IOS: Index of Services
Chained volume indices of gross value added [1,2,3]

seasonally adjusted 2015 = 100

| | | Computer programming, | Information | Financial service activities | |
	Telecom -munications	consultancy and related activities	service activities	except insurance and pension funding	Real estate activities
Component	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	97.8	114.3	99.9	102.8	100.8
2015 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	100.0	109.1	99.5	101.4	100.9
Feb	98.7	108.1	106.4	102.3	101.3
Mar	97.2	108.2	96.6	102.1	101.2
Apr	97.4	110.2	103.2	102.3	101.0
May	94.1	113.4	96.8	102.4	100.6
Jun	96.9	112.1	93.9	102.9	100.7
Jul	97.2	115.0	95.2	103.0	100.6
Aug	97.7	117.5	98.9	103.2	100.6
Sep	98.2	117.2	101.7	103.3	100.4
Oct	99.6	121.9	100.2	103.5	100.6
Nov	97.5	119.5	103.8	103.7	100.6
Dec	99.0	119.5	103.0	104.0	100.7
2017 Jan	99.1	116.7	104.2	104.9	101.0
Feb	97.2	118.7	101.8	105.1	101.0
Mar	96.4	119.8	103.6	104.6	101.0
Apr	100.7	121.4	105.5	104.7	101.1
May	97.4	120.9	110.1	104.5	101.4
Jun	98.4	124.3	107.9	104.3	101.4
Jul	99.8	123.9	106.2	104.9	101.4
Aug	98.2	123.1	108.7	105.5	101.7
Sep	98.2	124.1	108.3	105.7	101.5
Oct	97.7	125.0	109.4	105.8	101.8

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	-2.2	14.3	-0.1	2.8	0.8

Percentage change, latest month on same month a year ago

	S27A	S27B	S27C	S27E	KFK8
2015 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	3.1	12.4	-	-0.9	2.2
Feb	-0.8	10.2	4.3	0.2	2.5
Mar	-3.8	12.8	-3.9	0.8	2.1
Apr	-2.5	12.1	3.4	1.6	1.1
May	-7.5	16.2	-10.1	2.8	0.7
Jun	-3.7	13.3	-6.8	4.2	0.6
Jul	-1.8	14.3	-6.2	4.6	0.2
Aug	-5.1	15.1	3.6	4.7	-
Sep	-1.8	16.5	3.0	4.3	-0.2
Oct	0.3	19.6	2.0	4.4	0.2
Nov	-1.9	14.1	3.9	4.1	0.1
Dec	-0.6	15.1	7.3	3.5	-0.1
2017 Jan	-0.9	7.0	4.7	3.4	0.1
Feb	-1.5	9.8	-4.4	2.7	-0.4
Mar	-0.8	10.7	7.2	2.5	-0.2
Apr	3.4	10.1	2.3	2.4	0.1
May	3.5	6.6	13.7	2.0	0.8
Jun	1.5	10.9	15.0	1.4	0.7
Jul	2.7	7.7	11.6	1.9	0.9
Aug	0.5	4.7	9.9	2.3	1.0
Sep	-	5.9	6.5	2.4	1.1
Oct	-1.8	2.6	9.2	2.2	1.1

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Industry components (SIC2007)

IOSCOMP

IOS: Index of Services
Chained volume indices of gross value added [1,2,3]   seasonally adjusted 2015 = 100

		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 month on previous month

	S22K	S22L	S22M	S22O	KFW3
2015 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	0.5	5.0	3.7	1.0	0.1
Feb	-1.3	-0.9	6.9	0.8	0.4
Mar	-1.5	0.1	-9.2	-0.2	-0.2
Apr	0.2	1.8	6.7	0.1	-0.2
May	-3.4	2.9	-6.2	0.2	-0.4
Jun	3.0	-1.2	-3.0	0.5	0.1
Jul	0.4	2.6	1.4	0.1	-0.1
Aug	0.5	2.2	3.9	0.2	0.1
Sep	0.5	-0.2	2.9	0.1	-0.2
Oct	1.4	4.0	-1.5	0.2	0.2
Nov	-2.1	-1.9	3.6	0.2	-
Dec	1.5	-	-0.8	0.3	-
2017 Jan	0.2	-2.4	1.2	0.9	0.3
Feb	-1.9	1.7	-2.4	0.2	-
Mar	-0.8	0.9	1.8	-0.4	-
Apr	4.4	1.3	1.8	0.1	0.2
May	-3.3	-0.4	4.3	-0.1	0.2
Jun	1.0	2.8	-1.9	-0.2	-
Jul	1.5	-0.3	-1.6	0.5	-
Aug	-1.6	-0.7	2.3	0.6	0.2
Sep	-	0.9	-0.3	0.2	-0.1
Oct	-0.5	0.7	1.0	-	0.3

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

	S2GO	S2GP	S2GQ	S2GS	KFL2
2015 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	3.1	9.2	-0.2	-2.0	2.5
Feb	1.8	9.8	0.5	-1.1	2.5
Mar	-0.6	11.8	0.2	-	2.3
Apr	-2.4	11.7	1.3	0.8	1.9
May	-4.6	13.7	-3.7	1.7	1.3
Jun	-4.6	13.8	-4.6	2.9	0.8
Jul	-4.4	14.6	-7.8	3.9	0.5
Aug	-3.6	14.2	-3.3	4.5	0.3
Sep	-2.9	15.3	-	4.5	-
Oct	-2.2	17.1	2.9	4.5	-
Nov	-1.2	16.7	3.0	4.3	-
Dec	-0.8	16.2	4.4	4.0	0.1
2017 Jan	-1.1	12.0	5.3	3.7	-
Feb	-1.0	10.5	2.3	3.2	-0.1
Mar	-1.0	9.1	2.3	2.8	-0.2
Apr	0.4	10.2	1.5	2.5	-0.1
May	2.0	9.1	7.6	2.3	0.2
Jun	2.8	9.2	10.1	1.9	0.5
Jul	2.6	8.4	13.4	1.8	0.8
Aug	1.6	7.7	12.1	1.8	0.9
Sep	1.0	6.1	9.3	2.2	1.0
Oct	-0.4	4.4	8.5	2.3	1.1

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IOSCOMP

IOS: Index of Services
Chained volume indices of gross value added[1,2,3]

continued

seasonally adjusted 2015 = 100

	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 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	4.3	1.0	1.6	0.1
Feb	-0.1	4.5	1.7	2.2	0.4
Mar	-0.8	4.8	2.8	2.3	0.5
Apr	-1.9	2.8	3.6	1.7	0.5
May	-3.2	3.4	-1.7	0.9	-0.1
Jun	-2.6	3.1	-2.9	0.6	-0.4
Jul	-1.7	4.3	-6.6	0.5	-0.6
Aug	1.1	3.8	-2.9	0.8	-0.3
Sep	1.7	4.2	0.7	0.6	-0.2
Oct	2.5	4.7	5.2	0.5	-
Nov	1.2	4.1	6.2	0.4	-
Dec	1.0	3.2	3.8	0.6	0.1
2017 Jan	-	-0.2	3.4	0.8	0.2
Feb	-	-1.0	1.0	1.1	0.3
Mar	-1.1	-1.6	0.8	1.1	0.3
Apr	-0.4	1.2	-	0.6	0.3
May	-0.3	2.0	3.3	-	0.3
Jun	1.2	3.2	4.5	-0.3	0.3
Jul	0.4	2.6	4.3	-0.2	0.4
Aug	0.6	2.5	1.1	0.3	0.3
Sep	-0.1	1.2	-0.1	0.8	0.2
Oct	-0.5	0.8	0.7	1.0	0.3

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IOS: Index of Services
Chained volume indices of gross value added [1,2,3]

seasonally adjusted 2015 = 100

	Other professional service activities	Other professional scientific and technical activities	Administrative and support service activities	Public admin and defence; compulsory social security	Education
			Industry components (SIC2007)		
Component	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	105.0	107.3	103.0	98.6	99.9
2015 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	100.3	106.1	101.4	99.2	100.2
Feb	102.8	102.8	103.2	99.1	100.6
Mar	103.4	102.1	101.6	98.8	99.7
Apr	105.3	106.7	102.5	98.6	99.5
May	104.2	107.2	101.6	98.4	100.1
Jun	105.1	106.6	102.3	98.4	99.9
Jul	105.3	107.7	102.9	98.5	99.7
Aug	105.6	106.9	102.9	98.5	99.5
Sep	105.8	108.5	104.7	98.5	99.5
Oct	106.8	108.9	103.7	98.5	99.7
Nov	108.2	110.2	104.8	98.5	99.9
Dec	107.0	113.4	104.4	98.5	100.3
2017 Jan	109.5	106.7	105.5	98.5	100.8
Feb	107.0	105.7	104.9	98.5	101.0
Mar	108.3	103.5	106.4	98.6	100.9
Apr	108.1	104.2	103.9	98.7	100.8
May	109.0	107.6	105.8	98.8	100.9
Jun	109.4	109.7	105.5	98.9	101.1
Jul	110.7	107.4	105.0	98.9	101.3
Aug	111.3	109.4	105.5	99.0	101.6
Sep	111.5	109.9	105.9	99.0	101.6
Oct	111.1	110.7	107.5	99.1	101.6

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	5.0	7.3	3.0	-1.4	-0.1

Percentage change, latest month on same month a year ago

	KFO6	KFQ2	S27V	S285	S287
2015 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	2.9	4.8	4.0	-2.0	0.8
Feb	5.1	4.6	5.5	-1.9	1.1
Mar	5.8	1.2	2.0	-2.0	0.1
Apr	5.7	11.4	2.9	-2.2	-0.6
May	3.7	9.6	3.3	-2.0	-
Jun	4.7	6.1	2.8	-1.5	-0.1
Jul	5.5	9.4	1.0	-1.0	-0.5
Aug	5.9	8.5	1.5	-0.9	-0.7
Sep	3.7	8.5	3.4	-0.8	-0.7
Oct	4.8	6.6	2.2	-0.7	-0.4
Nov	6.4	7.7	3.6	-0.7	-0.3
Dec	5.4	9.1	3.8	-0.7	-0.2
2017 Jan	9.2	0.6	4.1	-0.7	0.6
Feb	4.1	2.8	1.7	-0.5	0.4
Mar	4.7	1.4	4.7	-0.2	1.2
Apr	2.7	-2.3	1.3	0.1	1.4
May	4.6	0.4	4.2	0.4	0.8
Jun	4.0	2.9	3.1	0.5	1.2
Jul	5.2	-0.3	2.0	0.5	1.7
Aug	5.4	2.4	2.5	0.5	2.1
Sep	5.4	1.3	1.1	0.5	2.1
Oct	4.0	1.7	3.7	0.6	2.0

	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**

Industry components (SIC2007)

Percentage change, latest month on previous month

	KFX5	KFX9	S237	S23F	S23H
2015 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	-1.1	2.1	0.8	-0.1	-0.3
Feb	2.5	-3.1	1.8	-0.1	0.4
Mar	0.6	-0.7	-1.6	-0.3	-0.9
Apr	1.8	4.5	1.0	-0.1	-0.2
May	-1.0	0.5	-0.9	-0.2	0.6
Jun	0.9	-0.6	0.8	-	-0.2
Jul	0.2	1.0	0.6	0.1	-0.2
Aug	0.3	-0.7	-	-	-0.2
Sep	0.2	1.4	1.8	-	-
Oct	0.9	0.4	-0.9	-	0.2
Nov	1.3	1.2	1.0	-	0.3
Dec	-1.1	2.9	-0.4	-	0.4
2017 Jan	2.4	-5.9	1.1	-	0.5
Feb	-2.3	-0.9	-0.5	-	0.2
Mar	1.2	-2.0	1.3	0.1	-0.1
Apr	-0.2	0.7	-2.3	0.1	-0.1
May	0.8	3.3	1.8	0.1	0.1
Jun	0.3	1.9	-0.3	0.1	0.2
Jul	1.2	-2.1	-0.5	-	0.3
Aug	0.5	1.9	0.4	-	0.2
Sep	0.2	0.4	0.4	0.1	0.1
Oct	-0.4	0.8	1.5	0.1	-

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

	KFO8	KFQ4	S2HB	S2HJ	S2HL
2015 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	3.6	2.3	3.9	-2.3	1.1
Feb	3.9	4.1	4.1	-2.1	1.1
Mar	4.6	3.5	3.8	-2.0	0.6
Apr	5.5	5.6	3.5	-2.0	0.2
May	5.0	7.3	2.7	-2.1	-0.1
Jun	4.7	9.0	3.0	-1.9	-0.2
Jul	4.6	8.3	2.3	-1.5	-0.2
Aug	5.4	7.9	1.8	-1.2	-0.4
Sep	5.0	8.8	2.0	-0.9	-0.6
Oct	4.8	7.8	2.4	-0.8	-0.6
Nov	5.0	7.6	3.1	-0.7	-0.5
Dec	5.6	7.8	3.2	-0.7	-0.3
2017 Jan	7.0	5.7	3.8	-0.7	-
Feb	6.2	4.1	3.2	-0.7	0.3
Mar	6.0	1.6	3.5	-0.5	0.7
Apr	3.8	0.6	2.6	-0.2	1.0
May	4.0	-0.2	3.4	0.1	1.1
Jun	3.8	0.3	2.9	0.3	1.1
Jul	4.6	1.0	3.1	0.5	1.2
Aug	4.9	1.6	2.5	0.5	1.6
Sep	5.3	1.1	1.9	0.5	2.0
Oct	4.9	1.8	2.4	0.5	2.1

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	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	KFQ6	S2CL	S2CT	S2CV
2015 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	-0.1	3.9	-0.3	-0.1	0.1
Feb	-0.3	2.8	0.4	-0.1	0.2
Mar	0.5	0.8	1.0	-0.2	-0.1
Apr	2.7	-0.3	1.4	-0.4	-0.4
May	2.7	1.0	0.2	-0.6	-0.7
Jun	2.6	3.1	0.1	-0.5	-0.3
Jul	1.0	3.2	-0.1	-0.4	-
Aug	1.0	1.7	0.8	-0.2	-
Sep	0.7	0.8	1.3	-	-0.2
Oct	1.1	0.9	1.4	0.1	-0.3
Nov	1.5	2.0	1.6	0.1	-
Dec	1.6	2.9	0.7	-	0.4
2017 Jan	2.0	1.9	1.1	-	0.8
Feb	0.8	-0.5	0.5	-	1.0
Mar	0.9	-5.0	1.3	-	0.9
Apr	-0.4	-5.1	0.2	0.1	0.6
May	0.6	-3.2	0.4	0.2	0.2
Jun	0.5	1.8	-0.5	0.3	-
Jul	1.8	3.6	0.4	0.3	0.2
Aug	1.9	3.5	-	0.2	0.5
Sep	2.2	1.6	0.4	0.2	0.6
Oct	1.5	1.7	0.8	0.2	0.5

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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**	
	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	102.2	98.9	99.2	116.6	
2015 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	101.0	100.6	112.5	
Feb	102.4	99.0	102.5	111.3	
Mar	102.5	98.3	100.8	111.6	
Apr	102.4	97.1	100.8	115.6	
May	102.3	97.8	100.2	119.1	
Jun	102.3	98.5	99.4	121.7	
Jul	102.4	100.1	99.8	123.2	
Aug	102.4	97.0	100.0	122.3	
Sep	102.2	98.7	98.0	119.8	
Oct	102.1	99.4	96.8	116.3	
Nov	102.0	99.4	96.2	113.7	
Dec	102.0	101.1	95.5	112.3	
2017 Jan	102.3	101.0	97.0	116.0	
Feb	102.5	97.6	96.1	117.6	
Mar	102.5	99.3	97.5	119.2	
Apr	102.6	102.1	96.6	120.9	
May	102.6	100.4	96.9	121.9	
Jun	102.5	99.8	96.6	119.5	
Jul	102.6	98.2	96.4	116.3	
Aug	102.7	99.1	97.4	114.1	
Sep	102.9	99.0	96.8	114.1	
Oct	103.1	99.7	97.5	115.8	

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	2.2	-1.1	-0.8	16.6

Percentage change, latest month on same month a year ago

	S288	S28C	S28H	S28M
2015 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	2.8	4.0	2.9	14.1
Feb	3.7	-2.1	2.9	11.5
Mar	3.7	-3.0	2.6	9.7
Apr	2.8	-3.7	2.0	13.4
May	2.2	-2.1	1.2	19.9
Jun	2.0	-1.2	-0.4	30.1
Jul	1.9	0.7	-0.2	40.2
Aug	2.0	-0.6	0.5	40.3
Sep	1.8	-1.7	-2.6	26.1
Oct	1.6	0.7	-3.9	11.6
Nov	1.3	-0.6	-6.2	-0.4
Dec	1.1	-2.7	-7.7	-3.5
2017 Jan	0.4	-	-3.6	3.1
Feb	-	-1.4	-6.2	5.6
Mar	-	1.0	-3.3	6.7
Apr	0.2	5.2	-4.1	4.7
May	0.3	2.7	-3.3	2.4
Jun	0.3	1.4	-2.8	-1.8
Jul	0.3	-1.8	-3.4	-5.6
Aug	0.3	2.1	-2.7	-6.7
Sep	0.7	0.2	-1.2	-4.8
Oct	1.0	0.3	0.6	-0.5

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IOS: Index of Services
Chained volume indices of gross value added [1,2,3]

seasonally adjusted 2015 = 100

	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 month on previous month

		S23I	S23M	S23R	S23W
2015	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	-2.8	-2.7	-3.3
	Feb	0.5	-2.0	1.9	-1.0
	Mar	-	-0.7	-1.7	0.3
	Apr	-0.1	-1.2	-	3.5
	May	-0.1	0.7	-0.6	3.0
	Jun	-	0.7	-0.8	2.2
	Jul	0.1	1.6	0.5	1.3
	Aug	-	-3.0	0.2	-0.8
	Sep	-0.2	1.7	-2.1	-2.0
	Oct	-0.1	0.7	-1.1	-2.9
	Nov	-0.1	-	-0.7	-2.2
	Dec	0.1	1.7	-0.7	-1.2
2017	Jan	0.2	-0.1	1.6	3.3
	Feb	0.2	-3.4	-0.9	1.3
	Mar	0.1	1.7	1.4	1.4
	Apr	0.1	2.9	-0.9	1.5
	May	-	-1.7	0.3	0.8
	Jun	-0.1	-0.6	-0.3	-1.9
	Jul	0.1	-1.6	-0.2	-2.7
	Aug	0.1	0.9	1.0	-1.9
	Sep	0.2	-0.2	-0.6	0.1
	Oct	0.2	0.7	0.7	1.4

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

		S2HM	S2HQ	S2HV	S2I2
2015	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	1.5	3.6	3.8	15.6
	Feb	2.6	1.8	3.5	14.9
	Mar	3.4	-0.4	2.8	11.7
	Apr	3.4	-2.9	2.5	11.5
	May	2.9	-2.9	1.9	14.3
	Jun	2.3	-2.3	0.9	20.8
	Jul	2.0	-0.9	0.2	29.6
	Aug	1.9	-0.4	-	36.7
	Sep	1.9	-0.6	-0.8	35.3
	Oct	1.8	-0.6	-2.0	25.2
	Nov	1.6	-0.5	-4.2	11.7
	Dec	1.3	-0.9	-5.9	2.3
2017	Jan	0.9	-1.1	-5.8	-0.3
	Feb	0.5	-1.4	-5.8	1.7
	Mar	0.2	-0.1	-4.4	5.1
	Apr	0.1	1.6	-4.6	5.6
	May	0.2	3.0	-3.6	4.5
	Jun	0.3	3.1	-3.4	1.7
	Jul	0.3	0.7	-3.2	-1.7
	Aug	0.3	0.5	-2.9	-4.7
	Sep	0.4	0.2	-2.4	-5.7
	Oct	0.7	0.9	-1.1	-4.1

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Chained volume indices of gross value added [1,2,3]

seasonally adjusted 2015 = 100

	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**

Percentage change, latest 3 months on previous 3 months

	S2CW	S2D2	S2D7	S2DC
2015 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	2.7	1.9	19.7
Feb	1.2	1.6	0.9	8.6
Mar	1.6	-1.4	-0.9	0.2
Apr	1.3	-3.5	-0.8	-1.3
May	0.6	-3.5	-1.5	1.8
Jun	-	-1.6	-1.1	6.2
Jul	-0.1	0.7	-1.5	7.5
Aug	-	0.8	-0.8	6.0
Sep	-	0.8	-0.9	2.5
Oct	-0.1	-0.4	-1.5	-1.5
Nov	-0.3	0.6	-2.8	-4.7
Dec	-0.3	1.4	-3.1	-6.3
2017 Jan	-0.1	2.1	-2.1	-4.6
Feb	0.2	0.7	-0.8	-1.1
Mar	0.4	-0.7	0.7	3.0
Apr	0.4	-0.8	0.5	4.6
May	0.3	0.7	0.8	4.7
Jun	0.1	1.5	-0.1	2.7
Jul	0.1	-0.2	-0.1	-
Aug	0.1	-1.5	-0.2	-3.4
Sep	0.2	-2.0	0.2	-4.9
Oct	0.3	-0.2	0.6	-3.8

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