

# Information and communication technologies, 1992-2003

Extract taken from *United Kingdom  
Input-Output Analyses*, 2005 Edition

Consistent with 2005 *Blue Book* and 2005 *Pink Book*

## **Users of Input-Output analyses**

We continue to welcome any expert advice that readers of this analysis can offer. Such advice continues to be a key agent for improving the quality and development of Input-Output Annual Supply and Use Tables.

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**Information and communication technologies (ICT)**

**Introduction**

This section provides detailed information and statistics produced by the ONS covering the UK ICT sector based on the Input-Output Annual Supply and Use Tables. The availability of these statistics provides users with an assessment of the impact of ICT activity on the UK economy.

Chart 5.1 shows the growth of ICT gross value added (GVA) compared with the whole UK economy. Throughout the 1990s, the rapid growth in both ICT production and investment was an important contributor to UK economic growth and productivity growth. In addition, ICT investment has added to the UK capital stock and capital services, which will affect the UK economy over the longer term. Table 5.14 provides further statistics covering ICT activity.

The contribution of ICT to GDP growth can be considered in two ways:

- the direct effect on GVA at current basic prices of the ICT producing industries; and
- the indirect effect of ICT investments on GVA at current basic prices of the ICT consuming industries.

In this section, we consider in detail the direct effect on GVA at current basic prices.

The data for these analyses have been derived from the 1992-2003 Input-Output Annual Supply and Use Tables published by the ONS in August 2005. In some cases, where parts of I-O groups are covered, the relevant proportions have been obtained from the ONS Annual Business Inquiry (ABI), a key input in producing the Input-Output Annual Supply and Use Tables.

**ICT Definition and methodology**

The definition of the ICT sector, as shown in Table 5.2, was agreed by the OECD Committee for Information, Computer and Communications Policy (ICCP) in September 1998. This agreed definition was then reflected in a paper titled “*Measuring the ICT Sector*” by the OECD Secretariat in 2000, which was later updated and called “*Measuring the Information Economy*”<sup>1</sup> in 2002.

This definition covers both goods, such as office machinery and communication equipment, and services, such as telecommunication and computer services. The definition of the ICT sector is based on the following principles:

Products in the *manufacturing* industries:

- Must be intended to fulfil the function of information processing and communication including transmission and display.
- Must use electronic processing to detect, measure and/or record physical phenomena or to control a physical process.

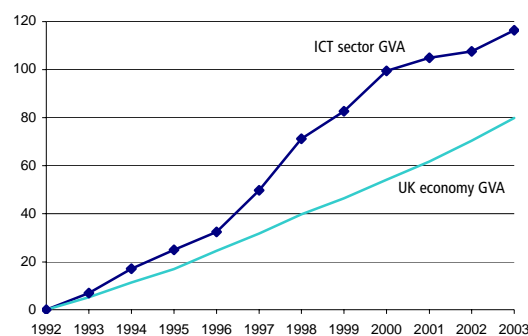
Products in the *service* industries:

- Must be intended to enable the function of information processing and communication by electronic means.

**5.1**

**GVA: ICT sector growth relative to the UK economy**

Per cent growth (Rebased to 1992)



**5.2**

**Definition of ICT sector**

SIC (2003) class	I-O group number	I-O group name
<b>Manufacturing</b>		
30.00	69	Office machinery and computers
31.30	71	Insulated wire and cable
32.10	73	Electronic valves and tubes and other electronic components
32.20	74	Television and radio transmitters and apparatus for line telephony and line telegraphy
32.30	75	Television and radio receivers, sound or video recording or reproducing apparatus and associated goods
33.201	76 part	Electronic instruments and appliances for measuring, checking, testing, navigating and other purposes, except industrial process control equipment
33.301	76 part	Electronic industrial process control equipment
<b>Services</b>		
51.43	90 part	Wholesale of electrical household appliances and radio and television goods
51.84	90 part	Wholesale of computers, computer peripheral equipment and software
51.85	90 part	Wholesale of other office machinery and equipment
64.20	99	Telecommunications
71.33	106 part	Renting of office machinery and equipment including computers
72.00	107	Computer and related activities

Source: OECD paper - *Measuring the Information Economy* (2002)<sup>1</sup>

The OECD are continuing to review the definition of ICT in terms of coverage and concepts, for example whether products such as cables and optical fibres should be included, and developing separate definitions of ICT goods and ICT services. Further discussions are taking place amongst National Statistical Institutions covering the treatment of computer software, licences and other intangible assets, and the difficulties in ensuring that all countries apply the concepts consistently.

### Measuring software investment

Under SNA 93 and ESA 95, software is treated as an intangible fixed asset if it is to be used in production for more than one year. In practice, it is difficult for national accountants across countries to consistently measure software investment. Three types of software investment are separately identified:

- *Pre-packaged software* intended for non-specialised use and sold or licensed in a standard form requiring little modification for use. This type of software includes both systems software and application software, and is valued at purchasers' prices.
- *Custom built software* tailored for specialist use. It can include new computer programs as well as programs incorporating already existing or standardised modules. Expenditure on custom built software includes payments for the development of software to freelance software programmers or consultants (i.e. non-employees) who carry out programming and systems analysis supporting the development of software. This is valued at purchasers' prices, as with pre-packaged software.
- *Own account software* consisting of in-house expenditure for new or significantly enhanced software created by the business itself for own use. The cost of producing this type of software covers staff labour costs along with raw materials and services used up in producing the software. The valuation used to measure this output is basic prices or, if not possible, the cost of production.

Software related expenditure treated as investment excludes repair and maintenance expenditure on existing software.

### Overview of UK ICT activity

Since the 2004 Edition of this publication, the 1992-2002 I-O Annual Supply and Use Tables have been revised, affecting various parts of the ICT analyses. In particular, the output and intermediate consumption structures have again been reviewed following the receipt of improved sales and purchases data from PRODCOM and ABI, and improvements to the methodology of allocating GFCF to product. **Chart 5.3** shows the revisions to ICT GVA since the 2004 Edition. Also the tables have been moved onto the SIC (2003) basis from the previous SIC (92) basis.

In 2003, the contribution of ICT to UK GVA at current basic prices accounted for £65.5 billion out of a total of £981.7 billion (6.7 per cent of the total). **Chart 5.1** shows that GVA at current basic prices for the ICT sector grew by 116.4 per cent between 1992 and 2003, compared with the growth of GVA at current basic prices for the whole economy of 79.8 per cent over this period. Since 1992, the annual level of ICT GVA at current basic prices has increased every year.

## 5.3

### Revisions to ICT GVA at current basic prices since the 2004 Edition

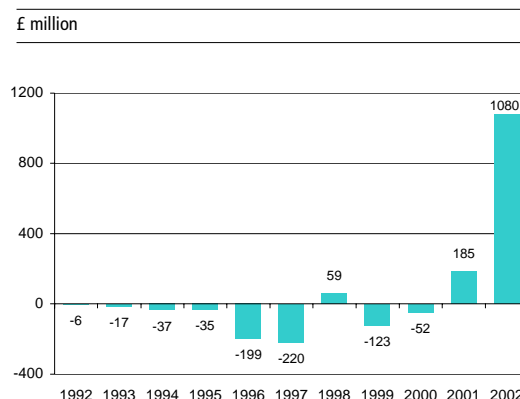


Chart 5.4 shows that the composition of the growth in GVA at current basic prices generated by the ICT sector has been largely led by the service industries rather than manufacturing industries. The services component between 1992 and 2003 grew by 151.8 per cent (from £22.3 billion to £56.2 billion). However, the manufacturing component, between 1992 and 2003, grew by 16.6 per cent (from £7.9 billion to £9.3 billion), having peaked in 1999 at £13.0 billion.

## 5.4

### ICT GVA: Manufacturing and services sector contribution

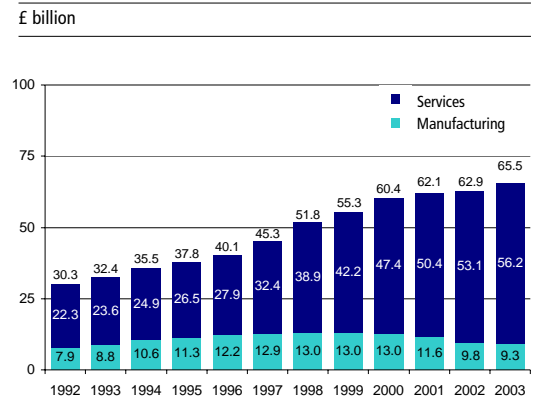
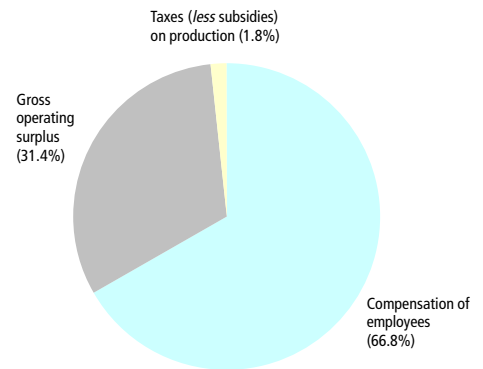


Chart 5.5 shows the factor income composition of GVA at current basic prices generated by the ICT sector. As expected, given the large services component, the ICT sector is highly labour intensive with compensation of employees contributing £43.7 billion in 2003 (growth of 121.9 per cent over 1992). Gross operating surplus (which includes gross operating profits and rental income) for the ICT sector in 2003 amounted to £20.6 billion (growth of 109.5 per cent over 1992), having peaked in 2000 at £21.6 billion. Taxes (less subsidies) on production in 2003 amounted to £1.2 billion growing by 59.7 per cent compared with 1992.

## 5.5

### Factor incomes generated by ICT sector in 2003



### ICT Product Supply and Demand

Table 5.6 shows a summary ICT product Supply and Demand balance struck at purchasers' prices for the year 2003.

The UK supply of ICT products is composed of domestic output, imports of goods and services, distributors' trading margins and taxes (less subsidies) on products. Since 1992, the overall supply of ICT products has grown by 134.3 per cent to £191.6 billion in 2003. The UK's domestic output of ICT products in 2003 amounted to £118.4 billion. Imports of goods and services, distributors' trading margins and taxes (less subsidies) on products help push the total supply of ICT products up by a further £73.2 billion. These additions are particularly significant in the supply of computers, where imports exceed UK production.

Taking total demand for ICT products in 2003; over half is used up in UK industry as intermediate consumption in, for example, the electrical equipment and printing and publishing industries; a fifth is exported; an eighth is invested (gross capital formation) in UK industry, mainly within the service industries; and the remainder is consumed by households.

## 5.6

### Supply and Demand balance of ICT products in 2003

	£ billion	Growth since 1992 (per cent)
<b>Supply</b>		
Domestic output	118.4	137.7
Imports of goods	42.2	134.3
Imports of services	2.4	128.1
Distributors' trading margins	19.0	121.3
Taxes (less subsidies) on products	9.7	122.3
<b>Total Supply</b>	<b>191.6</b>	<b>134.3</b>
<b>Demand</b>		
Intermediate demand	103.8	159.1
HHFCe	29.3	111.6
Gross capital formation	23.7	100.5
Exports of goods	27.6	92.0
Exports of services	7.2	328.7
<b>Total Demand</b>	<b>191.6</b>	<b>134.3</b>

Exports of ICT products grew from £16.0 billion in 1992 to a peak of £45.2 billion in 2001 before falling to £34.8 billion in 2003. Exports of ICT products in 2003 contributed 12.3 per cent of total UK exports of goods and services, and 3.1 per cent of GDP at current market prices.

Charts 5.7 and 5.8 show the composition of ICT gross capital formation (GCF), and ICT GCF in relation to total GCF. GCF includes gross fixed capital formation (GFCF), changes in inventories and valuables.

Gross capital formation on ICT products grew by 100.5 per cent to £23.7 billion in 2003 from £11.8 billion in 1992, having peaked at £31.6 billion in 2000. In 2003, this amounted to 13.2 per cent of total UK gross capital formation (compared with 12.0 per cent in 1992), and 2.1 per cent of GDP at current market prices (compared with 1.9 per cent in 1992). Although the ICT component of gross capital formation has increased to £23.7 billion in 2003, it is still much smaller than the level of GCF in other assets such as buildings, offices and other structures and vehicles, which grew by 80.1 per cent to £156.4 billion in 2003 from £86.8 billion in 1992.

Household final consumption of ICT products has increased by 111.6 per cent to £29.3 billion in 2003 from £13.8 billion in 1992. Much of this consumption is concentrated on products such as: home computers, satellite dishes, televisions, CD players, DVD (including video) equipment, digital cameras, and telecommunication products such as mobile phones.

The UK has been a net importer (imports less exports) of ICT products in every year between 1992 and 2003. In 2003, the trade deficit (exports less imports) in ICT products was £9.8 billion, the largest to date. The key products were computers and television related equipment, where the UK imports components and assembles them into a final product for either export or domestic consumption, or imports goods directly for final consumption.

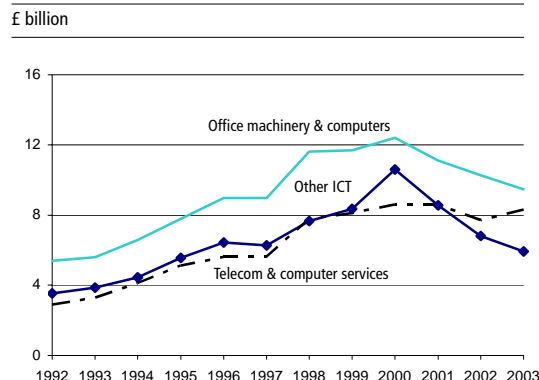
### ICT Industries contribution to GVA

Chart 5.9 shows a breakdown of industries forming the ICT definition and the change in their contribution to GVA at current basic prices between 1992 and 2003. Most of the industries have grown, with the largest growth in I-O industry groups: 107 (computer services), 99 (telecommunications), 76 (medical and precision instruments) and 90 (wholesale distribution).

On the other hand, I-O industry group 69 (office machinery) peaked in 1998 and has continued to fall in each of the subsequent years, from £3.5 billion in 1998 to £2.3 billion in 2003.

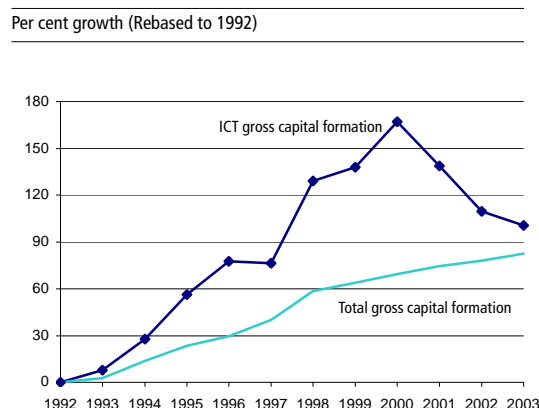
## 5.7

### Gross capital formation in ICT by product



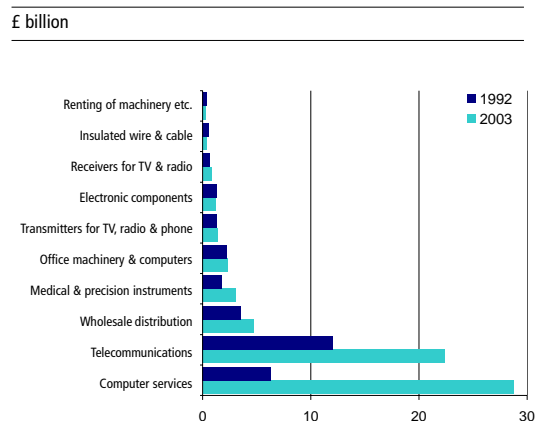
## 5.8

### Gross capital formation: ICT growth relative to the UK economy



## 5.9

### ICT GVA by rank in 2003



**ICT GVA contribution to manufacturing industries' GVA**

Charts 5.10 and 5.11 show that between 1992 and 2003, total UK manufacturing output in current prices grew by 31.2 per cent and GVA at current basic prices by 26.1 per cent. The contribution of UK manufacturing industries' GVA at current basic prices as a proportion of total UK GVA has fallen to 14.9 per cent in 2003 (21.2 per cent in 1992). ICT manufacturing industries' GVA and output at current basic prices between 2002 and 2003 has fallen by 5.5 per cent and 15.3 per cent respectively.

The ICT sector's contribution to manufacturing industries' growth at constant prices is much higher than at current prices because of volume growth, productivity growth and the fall in prices in the high technology sectors over this period.

When the contribution of ICT production has been stripped out of manufacturing industries' estimates at constant prices, it is clear that UK manufacturing growth in real terms during the 1990s was entirely due to rapid growth in ICT activity. UK manufacturing increased in real terms between 1992 and 2003 by 9.0 per cent after allowing for the increase in output prices of 15.8 per cent. The ICT production growth in constant prices would be much higher than in current prices because the deflation of ICT related products uses various prices that have fallen rapidly. For example, the price index for computers and other data processing equipment has fallen from 385.8 in 1992 to 52.7 in 2003, where 2000 = 100.

**ICT Contribution to productivity**

There are other ways of looking at the ICT investment contribution to future productivity potential - for example, the capital services yielded by ICT and other business assets, and the modernisation of the capital stock. The ONS is working to improve the measurement of capital stock. Furthermore, the ONS is continuing to work together with the Bank of England to develop a volume index of capital services (VICS). An experimental VICS was published by ONS in the November 2003 edition of *Economic Trends*<sup>2</sup>. A further update of VICS work is planned for later this year.

Commentators have been concerned that UK productivity growth in the 1990s has not been as strong as expected given the growth in ICT activity. Rapid investment is usually accompanied by strong growth in productivity. It takes time for the implementation of new technology to realise its full potential. For example, old processes to make old products are re-engineered together with re-structuring the business before real gains are achieved.

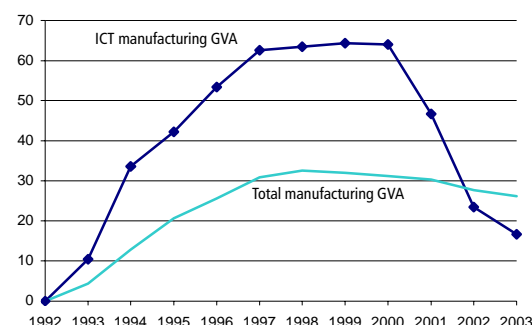
This is partly supported by the GVA at current basic prices to total output ratio for the manufacturing industries, as shown in Chart 5.12, which stopped falling in 1996, and grew by 3.3 per cent between 1996 and 1999. However, the ratio fell by 2.7 per cent between 1999 and 2001 mainly due to the squeeze in prices and margins, and has then dropped slightly into 2002 and into 2003.

The impact on profits and output has been much more noticeable in the ICT related industries, particularly since 1997. The gross operating surplus for the ICT manufacturing industries has fallen from a peak of £5.4 billion in 1997 to £2.2 billion in 2003.

**5.10**

**Manufacturing GVA: ICT growth relative to total UK growth**

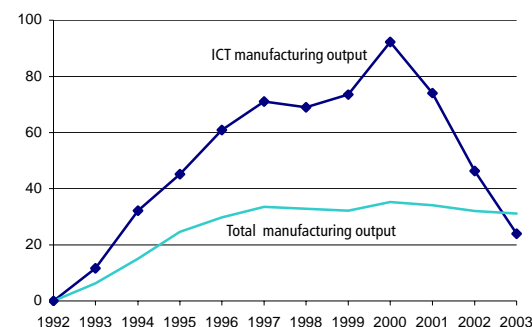
Per cent growth (Rebased to 1992)



**5.11**

**Manufacturing output: ICT growth relative to total UK growth**

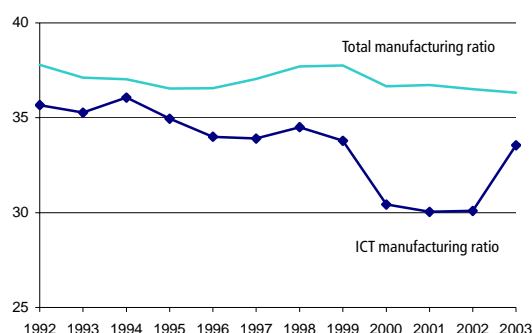
Per cent growth (Rebased to 1992)



**5.12**

**ICT and UK manufacturing: GVA to total output ratio**

Percentage



**International debate**

Various economic and statistical commentators regularly review the impact of investment in ICT products on economic growth. Research is ongoing into developing links between ICT investment and productivity. It has been noted that high ICT investment expenditure in the USA has been accompanied by consistently high USA productivity growth. The analysis presented in this publication allows this aspect to be analysed further for the UK economy.

**Chart 5.13** compares the ICT contribution to GVA in the UK with the USA. The USA data is taken from “*Digital Economy 2003*”<sup>3</sup> (published in December 2003) produced by the US Department of Commerce.

Interestingly, **Chart 5.13** shows that the ICT GVA contribution in the USA has been higher than in the UK for every year from 1996<sup>4</sup> to 2003. In 2003, the ICT GVA contribution in the USA was 7.9 per cent compared with 6.7 per cent in the UK.

The contribution of ICT to UK GVA at current basic prices was £65.5 billion in 2003 compared to £40.1 billion in 1996 (growth of 63.4 per cent). In the USA, the ICT GVA contribution was \$871.9 billion in 2003 compared with \$589.0 billion in 1996 (growth of 48.0 per cent).

In relation to Y2k activity in 1999 and 2000, it is worth noting the slowdown in the UK contribution to GVA at current basic prices of I-O industry group 69 (office machinery). The manufacturing related products, particularly in the electronics area such as I-O industry groups: 71 (insulated wire and cable), 73 (electronic components) and 74 (transmitters), have been major contributors to the growth of UK manufacturing between 1992 and 2000.

However, with the worldwide economic slowdown, particularly in the mobile phone and computer related markets, these UK industrial groups have all contracted in 2001, 2002 and 2003. For example, between 2001 and 2003, GVA at current basic prices fell by 46.1 per cent for I-O industry group 74 (transmitters).

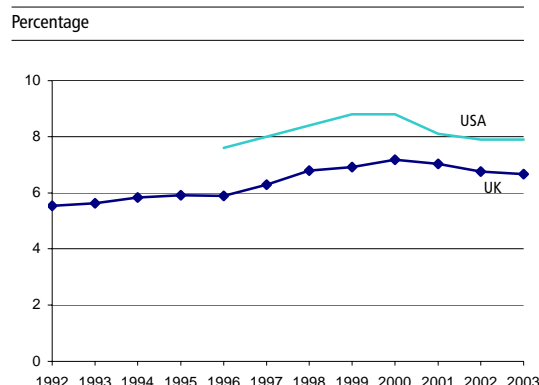
However, the continuing growth in the UK contribution of GVA at current basic prices of I-O product groups 99 (telecommunications) and 107 (computer services) in more recent periods may help to increase labour productivity growth in the service sector in future years.

**References:**

- (1) A copy of the OECD “*Measuring the Information Economy 2002*”, 2002 report can be found on their website, [www.oecd.org](http://www.oecd.org).
- (2) *Economic Trends*, November 2003, ISSN 0013-0400.
- (3) A copy of the US Department of Commerce “*Digital Economy 2003*”, December 2003 report can be found on their website, [www.esa.doc.gov/DigitalEconomy2003.cfm](http://www.esa.doc.gov/DigitalEconomy2003.cfm).
- (4) US data prior to 1996 is not available from “*Digital Economy 2003*” following significant revisions to underlying data made by the Census Bureau for some time series.

**5.13**

**ICT GVA as a proportion of total GVA: Comparison between UK and USA**



## 5.14 ICT statistics at a glance

All estimates are in £ million or as appropriately denoted

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>ICT Supply and Demand product balance</b>										
<b>Supply of ICT products</b>										
Domestic output of products at basic prices	n/a	n/a	49 801	54 369	60 971	67 625	75 565	82 921	93 641	101 402
Imports of goods and services	n/a	n/a	19 050	23 509	25 909	30 493	34 844	34 748	36 263	41 867
Distributors' trading margins	n/a	n/a	8 573	8 832	10 119	11 903	14 062	15 644	17 871	19 494
Taxes (less subsidies) on products	n/a	n/a	4 347	4 630	4 988	5 336	5 869	6 126	6 891	7 703
Total supply of products at purchasers' prices	n/a	n/a	81 770	91 340	101 987	115 357	130 341	139 438	154 666	170 465
<b>Demand for ICT products</b>										
Total intermediate demand (including NPISHs and GG)	n/a	n/a	40 055	42 820	46 670	50 063	58 925	65 342	71 840	82 598
Households final consumption expenditure (HHFCe)	n/a	n/a	13 848	14 934	15 173	16 681	17 637	19 034	20 894	22 728
Gross capital formation	n/a	n/a	11 828	12 746	15 129	18 478	21 015	20 854	27 080	28 147
Exports of goods and services	n/a	n/a	16 039	20 839	25 014	30 135	32 764	34 208	34 852	36 992
Total demand for products at purchasers' prices	n/a	n/a	81 770	91 340	101 987	115 357	130 341	139 438	154 666	170 465
<b>Contribution to GVA by ICT producing industries</b>										
<i>by I-O industry</i>										
69 Office machinery and computers	n/a	n/a	2 206	2 546	3 127	3 284	3 378	3 440	3 455	3 067
71 Insulated wire and cable	n/a	n/a	615	647	747	741	692	673	638	604
73 Electronic components	n/a	n/a	1 340	1 472	1 852	2 172	1 989	2 389	2 077	2 003
74 Transmitters for TV, radio and phone	n/a	n/a	1 357	1 496	1 703	1 964	2 350	2 505	3 112	3 762
75 Receivers for TV and radio	n/a	n/a	656	716	816	929	1 006	1 173	1 000	972
part of 76 Medical and precision instruments	n/a	n/a	1 763	1 890	2 362	2 198	2 758	2 722	2 693	2 634
part of 90 Wholesale distribution	n/a	n/a	3 554	3 756	3 869	4 036	4 323	5 744	6 314	5 809
99 Telecommunications	n/a	n/a	12 059	12 366	12 849	12 743	12 840	13 614	15 695	16 879
part of 106 Renting of machinery etc	n/a	n/a	403	470	209	663	431	288	401	256
107 Computer services	n/a	n/a	6 322	7 008	7 941	9 100	10 328	12 771	16 455	19 303
Total GVA at basic prices	n/a	n/a	30 275	32 367	35 475	37 829	40 096	45 320	51 839	55 290
<i>of which:</i>										
Manufacturing	n/a	n/a	7 937	8 767	10 607	11 288	12 173	12 902	12 975	13 042
Services	n/a	n/a	22 338	23 600	24 868	26 541	27 922	32 417	38 865	42 248
Total GVA at basic prices	n/a	n/a	30 275	32 367	35 475	37 829	40 096	45 320	51 839	55 290
<b>Contribution to output by ICT producing industries</b>										
<i>by I-O industry</i>										
69 Office machinery and computers	n/a	n/a	8 818	9 554	10 883	11 783	12 898	13 812	13 462	13 268
71 Insulated wire and cable	n/a	n/a	1 534	1 617	1 846	1 972	1 913	1 929	1 883	1 743
73 Electronic components	n/a	n/a	2 688	3 110	3 774	4 397	4 529	5 613	4 782	4 940
74 Transmitters for TV, radio and phone	n/a	n/a	3 125	3 602	4 506	5 419	5 957	6 526	7 930	9 321
75 Receivers for TV and radio	n/a	n/a	2 302	2 890	3 394	3 916	4 327	4 296	3 809	3 706
part of 76 Medical and precision instruments	n/a	n/a	3 785	4 084	5 009	4 808	6 178	5 879	5 739	5 623
part of 90 Wholesale distribution	n/a	n/a	6 996	7 504	7 916	8 478	9 377	12 800	14 211	13 315
99 Telecommunications	n/a	n/a	17 398	18 622	19 881	20 907	23 248	25 585	29 648	32 131
part of 106 Renting of machinery etc	n/a	n/a	681	795	355	1 171	764	493	694	439
107 Computer services	n/a	n/a	11 289	12 360	13 982	15 865	18 634	22 427	29 735	35 213
Total output at basic prices	n/a	n/a	58 615	64 137	71 547	78 716	87 825	99 360	111 894	119 698
<i>of which:</i>										
Manufacturing	n/a	n/a	22 252	24 857	29 412	32 295	35 802	38 055	37 605	38 601
Services	n/a	n/a	36 363	39 280	42 134	46 421	52 023	61 305	74 288	81 097
Total output at basic prices	n/a	n/a	58 615	64 137	71 547	78 716	87 825	99 360	111 894	119 698
<b>ICT industry GVA to total output (percentages)</b>										
<i>by I-O industry</i>										
69 Office machinery and computers	n/a	n/a	25.0	26.6	28.7	27.9	26.2	24.9	25.7	23.1
71 Insulated wire and cable	n/a	n/a	40.1	40.0	40.5	37.6	36.2	34.9	33.9	34.7
73 Electronic components	n/a	n/a	49.9	47.3	49.1	49.4	43.9	42.6	43.4	40.5
74 Transmitters for TV, radio and phone	n/a	n/a	43.4	41.5	37.8	36.2	39.4	38.4	39.2	40.4
75 Receivers for TV and radio	n/a	n/a	28.5	24.8	24.0	23.7	23.2	27.3	26.3	26.2
part of 76 Medical and precision instruments	n/a	n/a	46.6	46.3	47.1	45.7	44.7	46.3	46.9	46.9
part of 90 Wholesale distribution	n/a	n/a	50.8	50.1	48.9	47.6	46.1	44.9	44.4	43.6
99 Telecommunications	n/a	n/a	69.3	66.4	64.6	61.0	55.2	53.2	52.9	52.5
part of 106 Renting of machinery etc	n/a	n/a	59.2	59.2	59.0	56.6	56.4	58.4	57.7	58.4
107 Computer services	n/a	n/a	56.0	56.7	56.8	57.4	55.4	56.9	55.3	54.8
Total	n/a	n/a	51.7	50.5	49.6	48.1	45.7	45.6	46.3	46.2
<i>of which:</i>										
Manufacturing	n/a	n/a	35.7	35.3	36.1	35.0	34.0	33.9	34.5	33.8
Services	n/a	n/a	61.4	60.1	59.0	57.2	53.7	52.9	52.3	52.1
<b>Contribution to ICT GVA</b>										
<i>by type of factor income</i>										
<b>Compensation of employees (CoE)</b>										
Manufacturing	n/a	n/a	5 807	6 026	6 462	6 692	7 206	7 351	7 942	8 196
Services	n/a	n/a	13 907	14 444	15 059	16 190	16 337	18 930	22 897	25 260
Total	n/a	n/a	19 714	20 470	21 521	22 882	23 543	26 282	30 839	33 456
<b>Gross operating surplus (GOS)</b>										
Manufacturing	n/a	n/a	2 016	2 627	4 038	4 491	4 842	5 399	4 882	4 694
Services	n/a	n/a	7 810	8 539	9 285	9 775	10 975	12 873	15 287	16 361
Total	n/a	n/a	9 826	11 166	13 323	14 266	15 817	18 272	20 169	21 055
<b>Taxes less subsidies on production</b>										
Manufacturing	n/a	n/a	113	115	107	105	125	152	151	152
Services	n/a	n/a	622	616	524	577	610	615	681	627
Total	n/a	n/a	735	731	631	681	735	767	832	779
<b>Total ICT GVA</b>										
Manufacturing	n/a	n/a	7 937	8 767	10 607	11 288	12 173	12 902	12 975	13 042
Services	n/a	n/a	22 338	23 600	24 868	26 541	27 922	32 417	38 865	42 248
Total	n/a	n/a	30 275	32 367	35 475	37 829	40 096	45 320	51 839	55 290

See 'Notes for information' on the last page of this table.

## 5.14 ICT statistics at a glance

continued

All estimates are in £ million or as appropriately denoted

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
<b>ICT Supply and Demand product balance</b>										
<b>Supply of ICT products</b>										
Domestic output of products at basic prices	112 572	114 927	114 074	118 373	-	-	-	-	-	-
Imports of goods and services	53 033	52 081	50 551	44 563	-	-	-	-	-	-
Distributors' trading margins	20 805	21 701	19 855	18 970	-	-	-	-	-	-
Taxes (less subsidies) on products	8 407	8 588	8 907	9 664	-	-	-	-	-	-
Total supply of products at purchasers' prices	194 817	197 297	193 387	191 571	-	-	-	-	-	-
<b>Demand for ICT products</b>										
Total intermediate demand (including NPISHs and GG)	94 819	97 502	99 377	103 785	-	-	-	-	-	-
Households final consumption expenditure (HHFCe)	24 494	26 352	27 026	29 304	-	-	-	-	-	-
Gross capital formation	31 597	28 258	24 798	23 713	-	-	-	-	-	-
Exports of goods and services	43 907	45 185	42 186	34 769	-	-	-	-	-	-
Total demand for products at purchasers' prices	194 817	197 297	193 387	191 571	-	-	-	-	-	-
<b>Contribution to GVA by ICT producing industries</b>										
<i>by I-O industry</i>										
69 Office machinery and computers	2 669	2 543	2 467	2 342	-	-	-	-	-	-
71 Insulated wire and cable	556	499	395	373	-	-	-	-	-	-
73 Electronic components	2 117	1 751	1 445	1 244	-	-	-	-	-	-
74 Transmitters for TV, radio and phone	3 893	2 552	1 628	1 376	-	-	-	-	-	-
75 Receivers for TV and radio	1 094	1 030	987	824	-	-	-	-	-	-
part of 76 Medical and precision instruments	2 690	3 264	2 873	3 097	-	-	-	-	-	-
part of 90 Wholesale distribution	5 996	6 381	5 922	4 759	-	-	-	-	-	-
99 Telecommunications	19 561	19 608	20 921	22 448	-	-	-	-	-	-
part of 106 Renting of machinery etc	360	389	404	315	-	-	-	-	-	-
107 Computer services	21 452	24 054	25 811	28 723	-	-	-	-	-	-
Total GVA at basic prices	60 388	62 070	62 852	65 501	-	-	-	-	-	-
<i>of which:</i>										
Manufacturing	13 019	11 639	9 795	9 256	-	-	-	-	-	-
Services	47 369	50 431	53 058	56 246	-	-	-	-	-	-
Total GVA at basic prices	60 388	62 070	62 852	65 501	-	-	-	-	-	-
<b>Contribution to output by ICT producing industries</b>										
<i>by I-O industry</i>										
69 Office machinery and computers	13 295	13 187	11 817	9 166	-	-	-	-	-	-
71 Insulated wire and cable	1 670	1 490	1 227	1 080	-	-	-	-	-	-
73 Electronic components	4 967	4 095	3 824	3 656	-	-	-	-	-	-
74 Transmitters for TV, radio and phone	13 227	9 129	6 206	4 658	-	-	-	-	-	-
75 Receivers for TV and radio	3 869	3 571	3 111	2 645	-	-	-	-	-	-
part of 76 Medical and precision instruments	5 759	7 273	6 365	6 378	-	-	-	-	-	-
part of 90 Wholesale distribution	13 698	14 427	13 276	10 715	-	-	-	-	-	-
99 Telecommunications	36 745	38 048	40 156	43 242	-	-	-	-	-	-
part of 106 Renting of machinery etc	619	664	694	538	-	-	-	-	-	-
107 Computer services	39 016	43 477	46 045	50 861	-	-	-	-	-	-
Total output at basic prices	132 865	135 361	132 721	132 940	-	-	-	-	-	-
<i>of which:</i>										
Manufacturing	42 787	38 745	32 550	27 583	-	-	-	-	-	-
Services	90 077	96 616	100 171	105 356	-	-	-	-	-	-
Total output at basic prices	132 865	135 361	132 721	132 940	-	-	-	-	-	-
<b>ICT industry GVA to total output (percentages)</b>										
<i>by I-O industry</i>										
69 Office machinery and computers	20.1	19.3	20.9	25.6	-	-	-	-	-	-
71 Insulated wire and cable	33.3	33.5	32.2	34.5	-	-	-	-	-	-
73 Electronic components	42.6	42.8	37.8	34.0	-	-	-	-	-	-
74 Transmitters for TV, radio and phone	29.4	28.0	26.2	29.5	-	-	-	-	-	-
75 Receivers for TV and radio	28.3	28.8	31.7	31.2	-	-	-	-	-	-
part of 76 Medical and precision instruments	46.7	44.9	45.1	48.6	-	-	-	-	-	-
part of 90 Wholesale distribution	43.8	44.2	44.6	44.4	-	-	-	-	-	-
99 Telecommunications	53.2	51.5	52.1	51.9	-	-	-	-	-	-
part of 106 Renting of machinery etc	58.1	58.5	58.2	58.6	-	-	-	-	-	-
107 Computer services	55.0	55.3	56.1	56.5	-	-	-	-	-	-
Total	45.5	45.9	47.4	49.3	-	-	-	-	-	-
<i>of which:</i>										
Manufacturing	30.4	30.0	30.1	33.6	-	-	-	-	-	-
Services	52.6	52.2	53.0	53.4	-	-	-	-	-	-
<b>Contribution to ICT GVA</b>										
<i>by type of factor income</i>										
<b>Compensation of employees (CoE)</b>										
Manufacturing	8 771	8 760	7 588	6 917	-	-	-	-	-	-
Services	29 186	33 285	34 913	36 828	-	-	-	-	-	-
Total	37 958	42 046	42 501	43 746	-	-	-	-	-	-
<b>Gross operating surplus (GOS)</b>										
Manufacturing	4 082	2 700	2 064	2 206	-	-	-	-	-	-
Services	17 504	16 301	17 044	18 376	-	-	-	-	-	-
Total	21 586	19 001	19 108	20 582	-	-	-	-	-	-
<b>Taxes less subsidies on production</b>										
Manufacturing	166	178	143	133	-	-	-	-	-	-
Services	678	845	1 100	1 041	-	-	-	-	-	-
Total	845	1 023	1 244	1 174	-	-	-	-	-	-
<b>Total ICT GVA</b>										
Manufacturing	13 019	11 639	9 795	9 256	-	-	-	-	-	-
Services	47 369	50 431	53 058	56 246	-	-	-	-	-	-
Total	60 388	62 070	62 852	65 501	-	-	-	-	-	-

See 'Notes for information' on the last page of this table.

## 5.14 ICT statistics at a glance

continued

		Growth rates (%)										
		1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	1992-99
<b>ICT Supply and Demand product balance</b>												
<b>Supply of ICT products</b>												
	Domestic output of products at basic prices	n/a	n/a	9.2	12.1	10.9	11.7	9.7	12.9	8.3	11.0	103.6
	Imports of goods and services	n/a	n/a	23.4	10.2	17.7	14.3	-0.3	4.4	15.5	26.7	119.8
	Distributors' trading margins	n/a	n/a	3.0	14.6	17.6	18.1	11.2	14.2	9.1	6.7	127.4
	Taxes (less subsidies) on products	n/a	n/a	6.5	7.7	7.0	10.0	4.4	12.5	11.8	9.1	77.2
	Total supply of products at purchasers' prices	n/a	n/a	11.7	11.7	13.1	13.0	7.0	10.9	10.2	14.3	108.5
<b>Demand for ICT products</b>												
	Total intermediate demand (including NPISHs and GG)	n/a	n/a	6.9	9.0	7.3	17.7	10.9	9.9	15.0	14.8	106.2
	Households final consumption expenditure (HHFCE)	n/a	n/a	7.8	1.6	9.9	5.7	7.9	9.8	8.8	7.8	64.1
	Gross capital formation	n/a	n/a	7.8	18.7	22.1	13.7	-0.8	29.9	3.9	12.3	138.0
	Exports of goods and services	n/a	n/a	29.9	20.0	20.5	8.7	4.4	1.9	6.1	18.7	130.6
	Total demand for products at purchasers' prices	n/a	n/a	11.7	11.7	13.1	13.0	7.0	10.9	10.2	14.3	108.5
<b>Contribution to GVA by ICT producing industries</b>												
<b>by I-O industry</b>												
	69 Office machinery and computers	n/a	n/a	15.4	22.8	5.0	2.9	1.8	0.4	-11.2	-13.0	39.0
	71 Insulated wire and cable	n/a	n/a	5.2	15.5	-0.8	-6.6	-2.7	-5.2	-5.3	-7.9	-1.8
	73 Electronic components	n/a	n/a	9.9	25.8	17.3	-8.4	20.1	-13.1	-3.6	5.7	49.5
	74 Transmitters for TV, radio and phone	n/a	n/a	10.2	13.8	15.3	19.7	6.6	24.2	20.9	3.5	177.2
	75 Receivers for TV and radio	n/a	n/a	9.1	14.0	13.8	8.3	16.6	-14.7	-2.8	12.6	48.2
part of	76 Medical and precision instruments	n/a	n/a	7.2	24.9	-7.0	25.5	-1.3	-1.1	-2.2	2.1	49.4
part of	90 Wholesale distribution	n/a	n/a	5.7	3.0	4.3	7.1	32.9	9.9	-8.0	3.2	63.4
	99 Telecommunications	n/a	n/a	2.5	3.9	-0.8	0.8	6.0	15.3	7.5	15.9	40.0
part of	106 Renting of machinery etc	n/a	n/a	16.7	-55.5	216.7	-35.0	-33.2	39.1	-36.0	40.4	-36.4
	107 Computer services	n/a	n/a	10.9	13.3	14.6	13.5	23.7	28.8	17.3	11.1	205.3
	Total GVA at basic prices	n/a	n/a	6.9	9.6	6.6	6.0	13.0	14.4	6.7	9.2	82.6
	of which:	n/a	n/a									
	Manufacturing	n/a	n/a	10.5	21.0	6.4	7.8	6.0	0.6	0.5	-0.2	64.3
	Services	n/a	n/a	5.6	5.4	6.7	5.2	16.1	19.9	8.7	12.1	89.1
	Total GVA at basic prices	n/a	n/a	6.9	9.6	6.6	6.0	13.0	14.4	6.7	9.2	82.6
<b>Contribution to output by ICT producing industries</b>												
<b>by I-O industry</b>												
	69 Office machinery and computers	n/a	n/a	8.3	13.9	8.3	9.5	7.1	-2.5	-1.4	0.2	50.5
	71 Insulated wire and cable	n/a	n/a	5.4	14.2	6.8	-3.0	0.8	-2.4	-7.4	-4.2	13.6
	73 Electronic components	n/a	n/a	15.7	21.4	16.5	3.0	23.9	-14.8	3.3	0.5	83.8
	74 Transmitters for TV, radio and phone	n/a	n/a	15.3	25.1	20.3	9.9	9.6	21.5	17.5	41.9	198.3
	75 Receivers for TV and radio	n/a	n/a	25.5	17.4	15.4	10.5	-0.7	-11.3	-2.7	4.4	61.0
part of	76 Medical and precision instruments	n/a	n/a	7.9	22.7	-4.0	28.5	-4.8	-2.4	-2.0	2.4	48.5
part of	90 Wholesale distribution	n/a	n/a	7.3	5.5	7.1	10.6	36.5	11.0	-6.3	2.9	90.3
	99 Telecommunications	n/a	n/a	7.0	6.8	5.2	11.2	10.1	15.9	8.4	14.4	84.7
part of	106 Renting of machinery etc	n/a	n/a	16.8	-55.4	230.2	-34.8	-35.5	40.8	-36.8	41.0	-35.5
	107 Computer services	n/a	n/a	9.5	13.1	13.5	17.5	20.4	32.6	18.4	10.8	211.9
	Total output at basic prices	n/a	n/a	9.4	11.6	10.0	11.6	13.1	12.6	7.0	11.0	104.2
	of which:	n/a	n/a									
	Manufacturing	n/a	n/a	11.7	18.3	9.8	10.9	6.3	-1.2	2.6	10.8	73.5
	Services	n/a	n/a	8.0	7.3	10.2	12.1	17.8	21.2	9.2	11.1	123.0
	Total output at basic prices	n/a	n/a	9.4	11.6	10.0	11.6	13.1	12.6	7.0	11.0	104.2
<b>ICT industry GVA to total output (percentages)</b>												
<b>by I-O industry</b>												
	69 Office machinery and computers	n/a	n/a	6.5	7.8	-3.0	-6.0	-4.9	3.0	-9.9	-13.2	-7.6
	71 Insulated wire and cable	n/a	n/a	-0.2	1.1	-7.1	-3.7	-3.6	-2.9	2.3	-3.9	-13.6
	73 Electronic components	n/a	n/a	-5.1	3.7	0.7	-11.1	-3.1	2.0	-6.6	5.1	-18.7
	74 Transmitters for TV, radio and phone	n/a	n/a	-4.4	-9.0	-4.1	8.8	-2.7	2.2	2.8	-27.1	-7.1
	75 Receivers for TV and radio	n/a	n/a	-13.1	-3.0	-1.3	-2.0	17.4	-3.8	-0.1	7.8	-8.0
part of	76 Medical and precision instruments	n/a	n/a	-0.6	1.9	-3.1	-2.3	3.7	1.3	-0.1	-0.3	0.6
part of	90 Wholesale distribution	n/a	n/a	-1.5	-2.4	-2.6	-3.1	-2.7	-1.0	-1.8	0.3	-14.1
	99 Telecommunications	n/a	n/a	-4.2	-2.7	-5.7	-9.4	-3.7	-0.5	-0.8	1.3	-24.2
part of	106 Renting of machinery etc	n/a	n/a	0.0	-0.3	-4.1	-0.3	3.6	-1.2	1.2	-0.4	-1.3
	107 Computer services	n/a	n/a	1.2	0.2	1.0	-3.4	2.7	-2.8	-0.9	0.3	-2.1
	Total	n/a	n/a	-2.3	-1.7	-3.1	-5.0	-0.1	1.6	-0.3	-1.6	-10.6
	of which:	n/a	n/a									
	Manufacturing	n/a	n/a	-1.1	2.2	-3.1	-2.7	-0.3	1.8	-2.1	-9.9	-5.3
	Services	n/a	n/a	-2.2	-1.8	-3.1	-6.1	-1.5	-1.1	-0.4	0.9	-15.2
<b>Contribution to ICT GVA</b>												
<b>by type of factor income</b>												
<b>Compensation of employees (CoE)</b>												
	Manufacturing	n/a	n/a	3.8	7.2	3.6	7.7	2.0	8.0	3.2	7.0	41.1
	Services	n/a	n/a	3.9	4.3	7.5	0.9	15.9	21.0	10.3	15.5	81.6
	Total	n/a	n/a	3.8	5.1	6.3	2.9	11.6	17.3	8.5	13.5	69.7
<b>Gross operating surplus (GOS)</b>												
	Manufacturing	n/a	n/a	30.3	53.7	11.2	7.8	11.5	-9.6	-3.8	-13.1	132.8
	Services	n/a	n/a	9.3	8.7	5.3	12.3	17.3	18.8	7.0	7.0	109.5
	Total	n/a	n/a	13.6	19.3	7.1	10.9	15.5	10.4	4.4	2.5	114.3
<b>Taxes less subsidies on production</b>												
	Manufacturing	n/a	n/a	1.4	-7.1	-2.1	19.4	21.7	-0.9	1.0	9.4	34.1
	Services	n/a	n/a	-0.9	-15.0	10.1	5.8	0.7	10.8	-7.9	8.2	0.8
	Total	n/a	n/a	-0.6	-13.7	8.0	7.9	4.3	8.5	-6.3	8.4	6.0
<b>Total ICT GVA</b>												
	Manufacturing	n/a	n/a	10.5	21.0	6.4	7.8	6.0	0.6	0.5	-0.2	64.3
	Services	n/a	n/a	5.6	5.4	6.7	5.2	16.1	19.9	8.7	12.1	89.1
	Total	n/a	n/a	6.9	9.6	6.6	6.0	13.0	14.4	6.7	9.2	82.6

See 'Notes for information' on the last page of this table.

## 5.14 ICT statistics at a glance

continued

Growth rates (%)

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2000-03
<b>ICT Supply and Demand product balance</b>										
<b>Supply of ICT products</b>										
Domestic output of products at basic prices	2.1	-0.7	3.8	-	-	-	-	-	-	5.2
Imports of goods and services	-1.8	-2.9	-11.8	-	-	-	-	-	-	-16.0
Distributors' trading margins	4.3	-8.5	-4.5	-	-	-	-	-	-	-8.8
Taxes (less subsidies) on products	2.2	3.7	8.5	-	-	-	-	-	-	15.0
Total supply of products at purchasers' prices	1.3	-2.0	-0.9	-	-	-	-	-	-	-1.7
<b>Demand for ICT products</b>										
Total intermediate demand (including NPISHs and GG)	2.8	1.9	4.4	-	-	-	-	-	-	9.5
Households final consumption expenditure (HHFCe)	7.6	2.6	8.4	-	-	-	-	-	-	19.6
Gross capital formation	-10.6	-12.2	-4.4	-	-	-	-	-	-	-25.0
Exports of goods and services	2.9	-6.6	-17.6	-	-	-	-	-	-	-20.8
Total demand for products at purchasers' prices	1.3	-2.0	-0.9	-	-	-	-	-	-	-1.7
<b>Contribution to GVA by ICT producing industries</b>										
<i>by I-O industry</i>										
69 Office machinery and computers	-4.7	-3.0	-5.1	-	-	-	-	-	-	-12.3
71 Insulated wire and cable	-10.3	-20.8	-5.6	-	-	-	-	-	-	-32.9
73 Electronic components	-17.3	-17.5	-13.9	-	-	-	-	-	-	-41.2
74 Transmitters for TV, radio and phone	-34.4	-36.2	-15.5	-	-	-	-	-	-	-64.7
75 Receivers for TV and radio	-5.9	-4.2	-16.5	-	-	-	-	-	-	-24.7
part of 76 Medical and precision instruments	21.3	-12.0	7.8	-	-	-	-	-	-	15.1
part of 90 Wholesale distribution	6.4	-7.2	-19.6	-	-	-	-	-	-	-20.6
99 Telecommunications	0.2	6.7	7.3	-	-	-	-	-	-	14.8
part of 106 Renting of machinery etc	8.1	3.8	-21.9	-	-	-	-	-	-	-12.3
107 Computer services	12.1	7.3	11.3	-	-	-	-	-	-	33.9
Total GVA at basic prices	2.8	1.3	4.2	-	-	-	-	-	-	8.5
<i>of which:</i>										
Manufacturing	-10.6	-15.8	-5.5	-	-	-	-	-	-	-28.9
Services	6.5	5.2	6.0	-	-	-	-	-	-	18.7
Total GVA at basic prices	2.8	1.3	4.2	-	-	-	-	-	-	8.5
<b>Contribution to output by ICT producing industries</b>										
<i>by I-O industry</i>										
69 Office machinery and computers	-0.8	-10.4	-22.4	-	-	-	-	-	-	-31.1
71 Insulated wire and cable	-10.8	-17.7	-12.0	-	-	-	-	-	-	-35.3
73 Electronic components	-17.6	-6.6	-4.4	-	-	-	-	-	-	-26.4
74 Transmitters for TV, radio and phone	-31.0	-32.0	-24.9	-	-	-	-	-	-	-64.8
75 Receivers for TV and radio	-7.7	-12.9	-15.0	-	-	-	-	-	-	-31.6
part of 76 Medical and precision instruments	26.3	-12.5	0.2	-	-	-	-	-	-	10.7
part of 90 Wholesale distribution	5.3	-8.0	-19.3	-	-	-	-	-	-	-21.8
99 Telecommunications	3.5	5.5	7.7	-	-	-	-	-	-	17.7
part of 106 Renting of machinery etc	7.4	4.4	-22.4	-	-	-	-	-	-	-13.0
107 Computer services	11.4	5.9	10.5	-	-	-	-	-	-	30.4
Total output at basic prices	1.9	-2.0	0.2	-	-	-	-	-	-	0.1
<i>of which:</i>										
Manufacturing	-9.4	-16.0	-15.3	-	-	-	-	-	-	-35.5
Services	7.3	3.7	5.2	-	-	-	-	-	-	17.0
Total output at basic prices	1.9	-2.0	0.2	-	-	-	-	-	-	0.1
<b>ICT industry GVA to total output (percentages)</b>										
<i>by I-O industry</i>										
69 Office machinery and computers	-3.9	8.3	22.4	-	-	-	-	-	-	27.3
71 Insulated wire and cable	0.6	-3.9	7.3	-	-	-	-	-	-	3.7
73 Electronic components	0.3	-11.6	-10.0	-	-	-	-	-	-	-20.2
74 Transmitters for TV, radio and phone	-5.0	-6.2	12.6	-	-	-	-	-	-	0.4
75 Receivers for TV and radio	2.0	10.0	-1.8	-	-	-	-	-	-	10.2
part of 76 Medical and precision instruments	-3.9	0.6	7.6	-	-	-	-	-	-	3.9
part of 90 Wholesale distribution	1.0	0.9	-0.4	-	-	-	-	-	-	1.5
99 Telecommunications	-3.2	1.1	-0.4	-	-	-	-	-	-	-2.5
part of 106 Renting of machinery etc	0.7	-0.6	0.6	-	-	-	-	-	-	0.7
107 Computer services	0.6	1.3	0.7	-	-	-	-	-	-	2.7
Total	0.9	3.3	4.0	-	-	-	-	-	-	8.4
<i>of which:</i>										
Manufacturing	-1.3	0.2	11.5	-	-	-	-	-	-	10.3
Services	-0.7	1.5	0.8	-	-	-	-	-	-	1.5
<b>Contribution to ICT GVA</b>										
<i>by type of factor income</i>										
<b>Compensation of employees (CoE)</b>										
Manufacturing	-0.1	-13.4	-8.8	-	-	-	-	-	-	-21.1
Services	14.0	4.9	5.5	-	-	-	-	-	-	26.2
Total	10.8	1.1	2.9	-	-	-	-	-	-	15.2
<b>Gross operating surplus (GOS)</b>										
Manufacturing	-33.8	-23.6	6.9	-	-	-	-	-	-	-46.0
Services	-6.9	4.6	7.8	-	-	-	-	-	-	5.0
Total	-12.0	0.6	7.7	-	-	-	-	-	-	-4.7
<b>Taxes less subsidies on production</b>										
Manufacturing	7.1	-19.7	-7.3	-	-	-	-	-	-	-20.2
Services	24.6	30.2	-5.4	-	-	-	-	-	-	53.6
Total	21.2	21.5	-5.6	-	-	-	-	-	-	39.0
<b>Total ICT GVA</b>										
Manufacturing	-10.6	-15.8	-5.5	-	-	-	-	-	-	-28.9
Services	6.5	5.2	6.0	-	-	-	-	-	-	18.7
Total	2.8	1.3	4.2	-	-	-	-	-	-	8.5

See 'Notes for information' on the last page of this table.

## 5.14 ICT statistics at a glance

continued

All estimates are in £ million or as appropriately denoted

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Whole economy indicators</b>										
GDP at current market prices	n/a	n/a	610 562	641 691	680 441	718 383	763 561	810 601	860 520	905 438
GVA at current basic prices	n/a	n/a	546 142	574 825	607 854	639 115	680 477	720 028	763 443	799 387
Households final consumption expenditure (HHFCe)	n/a	n/a	379 758	401 970	422 397	443 367	474 311	503 606	536 921	570 634
Gross capital formation	n/a	n/a	98 663	101 327	112 135	121 839	127 884	138 181	156 393	161 775
Exports of goods and services	n/a	n/a	144 091	163 640	180 508	203 509	224 169	232 887	231 034	239 494
Imports of goods and services	n/a	n/a	151 659	170 125	185 255	207 051	227 519	232 031	238 978	254 911
Manufacturing industry:										
GVA at current basic prices	n/a	n/a	115 891	120 989	130 767	139 789	145 530	151 733	153 616	153 026
Output at current basic prices	n/a	n/a	306 677	326 010	353 167	382 505	398 158	409 570	407 404	405 403
GVA to total output ratio	n/a	n/a	37.8	37.1	37.0	36.5	36.6	37.0	37.7	37.7
<b>ICT contribution related to whole economy</b>										
ICT GVA as a proportion of whole economy GVA	n/a	n/a	5.5	5.6	5.8	5.9	5.9	6.3	6.8	6.9
ICT GVA as a proportion of ICT total output	n/a	n/a	51.7	50.5	49.6	48.1	45.7	45.6	46.3	46.2
ICT CoE as a proportion of ICT GVA	n/a	n/a	65.1	63.2	60.7	60.5	58.7	58.0	59.5	60.5
ICT GOS as a proportion of ICT GVA	n/a	n/a	32.5	34.5	37.6	37.7	39.4	40.3	38.9	38.1
ICT ToP as a proportion of ICT GVA	n/a	n/a	2.4	2.3	1.8	1.8	1.8	1.7	1.6	1.4
ICT GCF as a proportion of whole economy GCF	n/a	n/a	12.0	12.6	13.5	15.2	16.4	15.1	17.3	17.4
ICT GCF as a proportion of GDP at current market prices	n/a	n/a	1.9	2.0	2.2	2.6	2.8	2.6	3.1	3.1
ICT HHFCe as a proportion of total HHFCe	n/a	n/a	3.6	3.7	3.6	3.8	3.7	3.8	3.9	4.0
Manufacturing industries contribution of ICT GVA (%)	n/a	n/a	26.2	27.1	29.9	29.8	30.4	28.5	25.0	23.6
Service industries contribution of ICT GVA (%)	n/a	n/a	73.8	72.9	70.1	70.2	69.6	71.5	75.0	76.4
ICT imports as a proportion of total imports	n/a	n/a	12.6	13.8	14.0	14.7	15.3	15.0	15.2	16.4
ICT exports as a proportion of total exports	n/a	n/a	11.1	12.7	13.9	14.8	14.6	14.7	15.1	15.4
Net balance of ICT trade in goods and services (£m)	n/a	n/a	-3 012	-2 669	-895	-358	-2 080	-540	-1 412	-4 875
<b>Supplementary information</b>										
Index of manufacturing output at constant prices (2001=100)	n/a	n/a	91.0	92.3	96.6	98.1	98.9	100.7	101.3	102.1
Producer price indices (2000=100)	n/a	n/a								
Output of manufactured goods	n/a	n/a	85.5	88.8	91.1	94.8	97.2	98.1	98.1	98.5
Computers and other data processing equipment	n/a	n/a	385.8	334.4	318.7	274.6	248.7	202.1	151.2	126.5
Total ICT GVA ( <i>UK Input-Output Analyses</i> , 2004 Edition)	n/a	n/a	30 281	32 384	35 512	37 864	40 295	45 540	51 780	55 413
USA ICT GVA (\$ million)	n/a	n/a	n/a	n/a	n/a	n/a	589 043	666 123	739 462	821 683
USA ICT GVA as a proportion of USA whole economy GVA	n/a	n/a	n/a	n/a	n/a	n/a	7.6	8.0	8.4	8.8

See 'Notes for information' on the last page of this table.

## 5.14 ICT statistics at a glance

continued

All estimates are in £ million or as appropriately denoted

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
<b>Whole economy indicators</b>										
GDP at current market prices	953 576	996 758	1 048 456	1 105 919	-	-	-	-	-	-
GVA at current basic prices	841 505	883 412	930 796	981 732	-	-	-	-	-	-
Households final consumption expenditure (HHFCe)	603 457	635 651	667 361	697 764	-	-	-	-	-	-
Gross capital formation	167 084	172 252	175 681	180 112	-	-	-	-	-	-
Exports of goods and services	267 347	273 116	274 945	282 231	-	-	-	-	-	-
Imports of goods and services	286 597	300 061	306 496	313 213	-	-	-	-	-	-
Manufacturing industry:										
GVA at current basic prices	152 102	151 098	147 901	146 127	-	-	-	-	-	-
Output at current basic prices	414 875	411 484	405 199	402 243	-	-	-	-	-	-
GVA to total output ratio	36.7	36.7	36.5	36.3	-	-	-	-	-	-
<b>ICT contribution related to whole economy</b>										
ICT GVA as a proportion of whole economy GVA	7.2	7.0	6.8	6.7	-	-	-	-	-	-
ICT GVA as a proportion of ICT total output	45.5	45.9	47.4	49.3	-	-	-	-	-	-
ICT CoE as a proportion of ICT GVA	62.9	67.7	67.6	66.8	-	-	-	-	-	-
ICT GOS as a proportion of ICT GVA	35.7	30.6	30.4	31.4	-	-	-	-	-	-
ICT ToP as a proportion of ICT GVA	1.4	1.6	2.0	1.8	-	-	-	-	-	-
ICT GCF as a proportion of whole economy GCF	18.9	16.4	14.1	13.2	-	-	-	-	-	-
ICT GCF as a proportion of GDP at current market prices	3.3	2.8	2.4	2.1	-	-	-	-	-	-
ICT HHFCe as a proportion of total HHFCe	4.1	4.1	4.0	4.2	-	-	-	-	-	-
Manufacturing industries contribution of ICT GVA (%)	21.6	18.8	15.6	14.1	-	-	-	-	-	-
Service industries contribution of ICT GVA (%)	78.4	81.2	84.4	85.9	-	-	-	-	-	-
ICT imports as a proportion of total imports	18.5	17.4	16.5	14.2	-	-	-	-	-	-
ICT exports as a proportion of total exports	16.4	16.5	15.3	12.3	-	-	-	-	-	-
Net balance of ICT trade in goods and services (£m)	-9 126	-6 895	-8 366	-9 794	-	-	-	-	-	-
<b>Supplementary information</b>										
Index of manufacturing output at constant prices (2001=100)	104.6	103.2	100.0	100.0	-	-	-	-	-	-
Producer price indices (2000=100)										
Output of manufactured goods	100.0	99.7	99.8	101.3	-	-	-	-	-	-
Computers and other data processing equipment	100.0	72.8	61.0	52.7	-	-	-	-	-	-
Total ICT GVA ( <i>UK Input-Output Analyses</i> , 2004 Edition)	60 440	61 885	61 772	n/a	-	-	-	-	-	-
USA ICT GVA (\$ million)	877 813	828 911	831 573	871 875	-	-	-	-	-	-
USA ICT GVA as a proportion of USA whole economy GVA	8.8	8.1	7.9	7.9	-	-	-	-	-	-

## 5.14 ICT statistics at a glance

continued

	Growth rates (%)										
	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	1992-99
<b>Whole economy indicators</b>											
GDP at current market prices	n/a	n/a	5.1	6.0	5.6	6.3	6.2	6.2	5.2	5.3	48.3
GVA at current basic prices	n/a	n/a	5.3	5.7	5.1	6.5	5.8	6.0	4.7	5.3	46.4
Households final consumption expenditure (HHFCe)	n/a	n/a	5.8	5.1	5.0	7.0	6.2	6.6	6.3	5.8	50.3
Gross capital formation	n/a	n/a	2.7	10.7	8.7	5.0	8.1	13.2	3.4	3.3	64.0
Exports of goods and services	n/a	n/a	13.6	10.3	12.7	10.2	3.9	-0.8	3.7	11.6	66.2
Imports of goods and services	n/a	n/a	12.2	8.9	11.8	9.9	2.0	3.0	6.7	12.4	68.1
Manufacturing industry:											
GVA at current basic prices	n/a	n/a	4.4	8.1	6.9	4.1	4.3	1.2	-0.4	-0.6	32.0
Output at current basic prices	n/a	n/a	6.3	8.3	8.3	4.1	2.9	-0.5	-0.5	2.3	32.2
GVA to total output ratio	n/a	n/a	-1.8	-0.2	-1.3	0.0	1.4	1.8	0.1	-2.9	-0.1
<b>ICT contribution related to whole economy</b>											
ICT GVA as a proportion of whole economy GVA	n/a	n/a	1.6	3.6	1.4	-0.5	6.8	7.9	1.9	3.8	24.8
ICT GVA as a proportion of ICT total output	n/a	n/a	-2.3	-1.7	-3.1	-5.0	-0.1	1.6	-0.3	-1.6	-10.6
ICT CoE as a proportion of ICT GVA	n/a	n/a	-2.9	-4.1	-0.3	-2.9	-1.2	2.6	1.7	3.9	-7.1
ICT GOS as a proportion of ICT GVA	n/a	n/a	6.3	8.9	0.4	4.6	2.2	-3.5	-2.1	-6.1	17.3
ICT ToP as a proportion of ICT GVA	n/a	n/a	-7.0	-21.3	1.3	1.8	-7.7	-5.2	-12.2	-0.8	-42.0
ICT GCF as a proportion of whole economy GCF	n/a	n/a	4.9	7.3	12.4	8.4	-8.2	14.7	0.5	8.7	45.1
ICT GCF as a proportion of GDP at current market prices	n/a	n/a	2.5	11.9	15.7	7.0	-6.5	22.3	-1.2	6.6	60.5
ICT HHFCe as a proportion of total HHFCe	n/a	n/a	1.9	-3.3	4.7	-1.2	1.6	3.0	2.4	1.9	9.2
Manufacturing industries contribution of ICT GVA (%)	n/a	n/a	3.3	10.4	-0.2	1.8	-6.2	-12.1	-5.8	-8.6	-10.0
Service industries contribution of ICT GVA (%)	n/a	n/a	-1.2	-3.9	0.1	-0.7	2.7	4.8	1.9	2.7	3.6
ICT imports as a proportion of total imports	n/a	n/a	10.0	1.2	5.3	4.0	-2.2	1.3	8.2	12.7	30.8
ICT exports as a proportion of total exports	n/a	n/a	14.4	8.8	6.9	-1.3	0.5	2.7	2.4	6.3	38.8
Net balance of ICT trade in goods and services (£m)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Supplementary information</b>											
Index of manufacturing output at constant prices (2001=100)	n/a	n/a	1.3	4.3	1.5	0.8	1.8	0.6	0.8	2.5	11.1
Producer price indices (2000=100)											
Output of manufactured goods	n/a	n/a	3.3	2.3	3.7	2.4	0.9	0.0	0.4	1.5	n/a
Computers and other data processing equipment	n/a	n/a	-51.4	-15.7	-44.1	-25.9	-46.6	-50.9	-24.7	-26.5	n/a
Total ICT GVA ( <i>UK Input-Output Analyses</i> , 2004 Edition)	n/a	n/a	6.9	9.7	6.6	6.4	13.0	13.7	7.0	9.1	83.0
USA ICT GVA (\$ million)	n/a	n/a	n/a	n/a	n/a	n/a	13.1	11.0	11.1	6.8	n/a
USA ICT GVA as a proportion of USA whole economy GVA	n/a	n/a	n/a	n/a	n/a	n/a	5.3	5.0	4.8	0.0	n/a

## 5.14 ICT statistics at a glance

continued

	Growth rates (%)											
	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2000-03	
<b>Whole economy indicators</b>												
GDP at current market prices	4.5	5.2	5.5	-	-	-	-	-	-	-	-	16.0
GVA at current basic prices	5.0	5.4	5.5	-	-	-	-	-	-	-	-	16.7
Households final consumption expenditure (HHFCe)	5.3	5.0	4.6	-	-	-	-	-	-	-	-	15.6
Gross capital formation	3.1	2.0	2.5	-	-	-	-	-	-	-	-	7.8
Exports of goods and services	2.2	0.7	2.6	-	-	-	-	-	-	-	-	5.6
Imports of goods and services	4.7	2.1	2.2	-	-	-	-	-	-	-	-	9.3
Manufacturing industry:												
GVA at current basic prices	-0.7	-2.1	-1.2	-	-	-	-	-	-	-	-	-3.9
Output at current basic prices	-0.8	-1.5	-0.7	-	-	-	-	-	-	-	-	-3.0
GVA to total output ratio	0.2	-0.6	-0.5	-	-	-	-	-	-	-	-	-0.9
<b>ICT contribution related to whole economy</b>												
ICT GVA as a proportion of whole economy GVA	-2.1	-3.9	-1.2	-	-	-	-	-	-	-	-	-7.0
ICT GVA as a proportion of ICT total output	0.9	3.3	4.0	-	-	-	-	-	-	-	-	8.4
ICT CoE as a proportion of ICT GVA	7.8	-0.2	-1.2	-	-	-	-	-	-	-	-	6.3
ICT GOS as a proportion of ICT GVA	-14.4	-0.7	3.4	-	-	-	-	-	-	-	-	-12.1
ICT ToP as a proportion of ICT GVA	17.9	20.0	-9.4	-	-	-	-	-	-	-	-	28.2
ICT GCF as a proportion of whole economy GCF	-13.3	-14.0	-6.7	-	-	-	-	-	-	-	-	-30.4
ICT GCF as a proportion of GDP at current market prices	-14.4	-16.6	-9.3	-	-	-	-	-	-	-	-	-35.3
ICT HHFCe as a proportion of total HHFCe	2.1	-2.3	3.7	-	-	-	-	-	-	-	-	3.5
Manufacturing industries contribution of ICT GVA (%)	-13.0	-16.9	-9.3	-	-	-	-	-	-	-	-	-34.5
Service industries contribution of ICT GVA (%)	3.6	3.9	1.7	-	-	-	-	-	-	-	-	9.5
ICT imports as a proportion of total imports	-6.2	-5.0	-13.7	-	-	-	-	-	-	-	-	-23.1
ICT exports as a proportion of total exports	0.7	-7.3	-19.7	-	-	-	-	-	-	-	-	-25.0
Net balance of ICT trade in goods and services (£m)	n/a	n/a	n/a	-	-	-	-	-	-	-	-	n/a
<b>Supplementary information</b>												
Index of manufacturing output at constant prices (2001=100)	-1.4	-3.2	0.0	-	-	-	-	-	-	-	-	-4.4
Producer price indices (2000=100)												
Output of manufactured goods	-0.3	0.1	1.5	-	-	-	-	-	-	-	-	n/a
Computers and other data processing equipment	-27.2	-11.8	-8.3	-	-	-	-	-	-	-	-	n/a
Total ICT GVA ( <i>UK Input-Output Analyses</i> , 2004 Edition)	2.4	-0.2	n/a	-	-	-	-	-	-	-	-	n/a
USA ICT GVA (\$ million)	-5.6	0.3	4.8	-	-	-	-	-	-	-	-	-0.7
USA ICT GVA as a proportion of USA whole economy GVA	-8.0	-2.5	0.0	-	-	-	-	-	-	-	-	-10.2

### Notes for information

GCF represents Gross fixed capital formation *plus* changes in inventories *plus* valuables.  
 ToP represents Taxes (*less* subsidies) on production.  
 GVA is recorded at current basic prices.  
 GG represents General government final consumption expenditure.  
 Net balance of ICT trade is recorded as exports *less* imports.  
 Differences between totals and sums of components are due to rounding.