

# Tech Insights: The Digital Economy

## March 2015 Data Tables

### Table of Contents

The Digital Economy .....	2
Turnover, purchases and GVA for the tech industries, 2013.....	2
Comparison of GVA contributions from the tech/other industries, 2013 .....	3
GVA trends for the tech industry, 2008-13 .....	4
Trends in GVA per head for the tech industry, 2013 .....	5
The Digital Workforce.....	6
The tech sector workforce .....	6
Trends in tech industry employment, 2009-14 .....	7
Key employment data for the tech sector .....	8
Level of educational attainment amongst tech sector workers, 2013.....	9
Digital Enterprise .....	10
Recent trends in the number of tech/other enterprises .....	10
Distribution of tech enterprises by sub-sector and size, 2014.....	11
Tech enterprises by age of business, 2014 .....	12
Tech enterprises by nation/region, 2014 .....	13
Trends in Tech enterprises by nation/region, 2008-14.....	14
Background Information .....	15
Standard Industrial Classification (SIC) .....	15
Standard Occupational Classification (SOC) .....	16
Data Presentation .....	17



## The Digital Economy

### Turnover, purchases and GVA for the tech industries, 2013

	Turnover (£bn)	Purchases (£bn)	GVA (£bn)	Share
<b>All enterprises</b>	-	-	<b>1,525.3</b>	-
<b>Tech enterprises</b>	<b>206.4</b>	<b>114.8</b>	<b>91.1</b>	<b>100%</b>
<b>IT software and services</b>	<b>89.3</b>	<b>34.8</b>	<b>53.1</b>	<b>58%</b>
IT - programming	19.8	7.7	11.1	12%
IT - consultancy	37.0	14.6	22.6	25%
IT - data	6.8	1.8	5.1	6%
IT - web	1.3	0.4	0.9	1%
IT - other	24.3	10.2	13.5	15%
<b>Telecoms services</b>	<b>62.3</b>	<b>37.0</b>	<b>25.9</b>	<b>28%</b>
Telecoms - wired	1.5	0.7	0.8	1%
Telecoms - wireless	1.9	0.9	1.0	1%
Telecoms - satellite	1.1	1.7	-0.6	-1%
Telecoms - other	57.8	33.7	24.7	27%
<b>Computer games</b>	<b>1.6</b>	<b>1.1</b>	<b>0.5</b>	<b>1%</b>
<b>Others</b>	<b>53.3</b>	<b>41.8</b>	<b>11.6</b>	<b>13%</b>
IT - manufacturing	2.2	1.0	1.2	1%
Telecoms - manufacturing	3.9	2.1	1.9	2%
IT - wholesale/retail	28.3	23.6	4.8	5%
Telecoms - wholesale/retail	18.9	15.2	3.7	4%

Source: The Tech Partnership analysis of ONS ABS data



## Comparison of GVA contributions from the tech/other industries, 2013

SIC code	Description	GVA (£bn)	GVA relative to the tech industry
-	<b>The tech industry</b>	<b>91</b>	<b>100%</b>
C	Manufacturing	157	172%
M	Professional/scientific/technical	129	142%
N	Administration/support	95	105%
F	Construction	80	88%
H	Transport/storage	71	78%
69	Legal/accounting	42	46%
I	Accommodation/food	38	42%
29/45	Vehicles manufacture/trade	38	41%
L	Real estate activities	37	40%
65 (Part)	Insurance/pension funds	33	36%
Q (Part) 2	Health/social work	30	33%
70	Head offices/management consultancies	30	33%
78	Employment activities	28	31%
49	Land/pipeline transport	26	28%
D	Power supply	25	27%
R	Arts/entertainment/recreation	23	25%
E	Water supply/related	17	18%
P (Part) 2	Education	16	17%
S	Other services	15	17%
73	Advertising/market research	11	12%
53	Post/couriers	11	12%
58	Publishing	11	12%
93	Sports/recreation	9	10%
92	Gambling/betting	9	10%
51	Air transport	6	7%
59	Film/TV production/related	5	5%
60	TV/radio broadcasting	5	5%
A (Part) 2	Agriculture/forestry/fishing	2	2%

Source: The Tech Partnership analysis of ONS ABS data



## GVA trends for the tech industry, 2008-13

	2008	2012	2013	Change		Share of change	
				2008-13	2012-13	in tech industry	
<b>All enterprises</b>	<b>1,368.7</b>	<b>1,475.9</b>	<b>1,525.3</b>	<b>11%</b>	<b>3%</b>	-	-
<b>Tech enterprises</b>	<b>77.8</b>	<b>83.1</b>	<b>91.1</b>	<b>17%</b>	<b>10%</b>	<b>100%</b>	<b>100%</b>
<b>IT software and services</b>	<b>40.7</b>	<b>46.3</b>	<b>53.1</b>	<b>30%</b>	<b>15%</b>	<b>93%</b>	<b>86%</b>
IT - programming	6.7	9.2	11.1	65%	20%	33%	23%
IT - consultancy	18.6	19.9	22.6	21%	14%	30%	34%
IT - data	3.3	4.3	5.1	56%	18%	14%	10%
IT - web	0.2	0.6	0.9	399%	47%	5%	4%
IT - other	11.9	12.3	13.5	13%	10%	11%	15%
<b>Telecoms services</b>	<b>27.9</b>	<b>26.4</b>	<b>25.9</b>	<b>-7%</b>	<b>-2%</b>	<b>-15%</b>	<b>-6%</b>
Telecoms - wired	0.3	0.9	0.8	163%	-12%	4%	-1%
Telecoms - wireless	0.5	0.9	1.0	98%	12%	4%	1%
Telecoms - satellite	-0.4	-0.5	-0.6	41%	21%	-1%	-1%
Telecoms - other	27.5	25.1	24.7	-10%	-2%	-21%	-5%
<b>Computer games</b>	<b>0.2</b>	<b>0.5</b>	<b>0.5</b>	<b>251%</b>	<b>3%</b>	<b>3%</b>	<b>0.2%</b>
<b>Others</b>	<b>9.0</b>	<b>10.0</b>	<b>11.6</b>	<b>29%</b>	<b>16%</b>	<b>19%</b>	<b>20%</b>
IT - manufacturing	0.8	0.9	1.2	53%	33%	3%	4%
Telecoms - manufacturing	1.4	1.3	1.9	35%	39%	4%	7%
IT - wholesale/retail	3.5	4.3	4.8	37%	13%	10%	7%
Telecoms - wholesale/retail	3.3	3.4	3.7	11%	6%	3%	3%

Source The Tech Partnership analysis of ONS ABS/Blue Book data



## Trends in GVA per head for the tech industry, 2013

	GVA/head (£000)			Change	
	2008	2012	2013	2008-13	2012-13
<b>All enterprises</b>	<b>46.8</b>	<b>50.4</b>	<b>51.3</b>	<b>10%</b>	<b>2%</b>
<b>Tech enterprises</b>	<b>78.1</b>	<b>91.8</b>	<b>91.8</b>	<b>18%</b>	<b>&lt;1%</b>
<b>IT software and services</b>	<b>67.5</b>	<b>82.4</b>	<b>85.7</b>	<b>27%</b>	<b>4%</b>
IT - programming	62.7	84.6	87.3	39%	3%
IT - consultancy	68.9	74.4	75.9	10%	2%
IT - data	86.1	122.6	127.9	49%	4%
IT - web	180.0	109.2	138.0	-23%	26%
IT - other	63.9	84.5	90.1	41%	7%
<b>Telecoms services</b>	<b>128.0</b>	<b>130.8</b>	<b>122.6</b>	<b>-4%</b>	<b>-6%</b>
Telecoms - wired	58.6	162.3	103.7	77%	-36%
Telecoms - wireless	249.0	71.8	66.9	-73%	-7%
Telecoms - satellite	-	-38.2	-46.2	-	21%
Telecoms - other	130.4	145.8	139.5	7%	-4%
<b>Computer games</b>	<b>52.0</b>	<b>66.1</b>	<b>58.3</b>	<b>12%</b>	<b>-12%</b>
<b>Others</b>	<b>52.2</b>	<b>74.3</b>	<b>75.8</b>	<b>45%</b>	<b>2%</b>
IT - manufacturing	61.2	92.3	127.0	107%	38%
Telecoms - manufacturing	46.0	69.8	94.4	105%	35%
IT - wholesale/retail	53.1	79.1	75.2	41%	-5%
Telecoms - wholesale/retail	52.4	67.5	61.9	18%	-8%

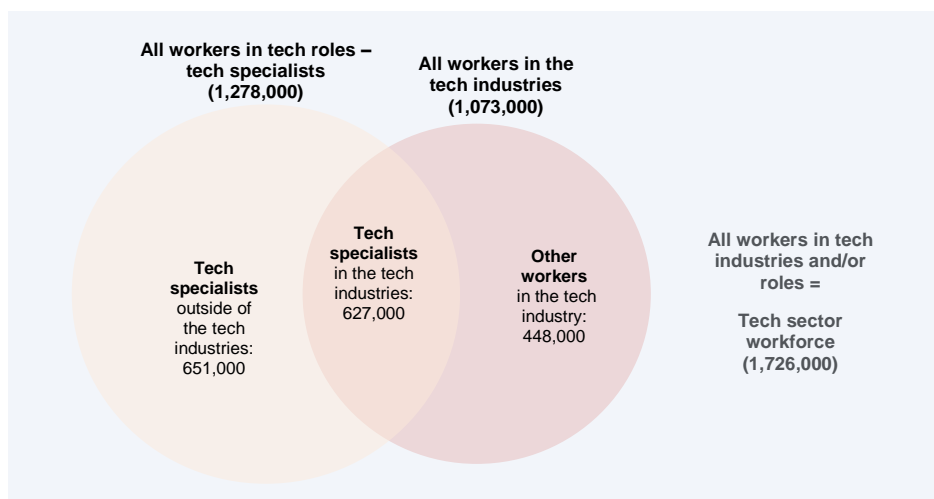
Source: The Tech Partnership analysis of ONS ABS/BRES/Blue Book data



## The Digital Workforce

---

### The tech sector workforce



Source: The Tech Partnership analysis of ONS LFS data, Q3.14



## Trends in tech industry employment, 2009-14

	2009	2013	2014	2009 -2013	2013 -2014	Share of tech industry change	
						2009 -2013	2013 -2014
<b>All industries</b>	<b>29,170,000</b>	<b>30,194,000</b>	<b>30,886,000</b>	<b>4%</b>	<b>2%</b>	-	-
<b>Tech industry</b>	<b>903,000</b>	<b>1,030,000</b>	<b>1,073,000</b>	<b>14%</b>	<b>4%</b>	<b>100%</b>	<b>100%</b>
<b>IT software and services</b>	<b>540,000</b>	<b>641,000</b>	<b>691,000</b>	<b>19%</b>	<b>8%</b>	<b>79%</b>	<b>117%</b>
IT - programming	180,000	233,000	268,000	30%	15%	42%	81%
IT - consultancy	241,000	300,000	318,000	25%	6%	46%	41%
IT - data	12,000	15,000	15,000	34%	-3%	3%	-1%
IT - web	*	*	*	*	*	*	*
IT - other (inc web)	107,000	92,000	90,000	-14%	-2%	-12%	-4%
<b>Telecoms services</b>	<b>194,000</b>	<b>197,000</b>	<b>192,000</b>	<b>1%</b>	<b>-2%</b>	<b>2%</b>	<b>-11%</b>
Telecoms - wired	58,000	63,000	56,000	10%	-11%	4%	-16%
Telecoms - wireless	84,000	95,000	88,000	14%	-8%	9%	-18%
Telecoms - satellite	*	*	*	*	*	*	*
Telecoms - other (inc satellite)	53,000	38,000	48,000	-29%	27%	-12%	23%
<b>Computer games</b>	<b>12,000</b>	<b>21,000</b>	<b>26,000</b>	<b>72%</b>	<b>29%</b>	<b>7%</b>	<b>14%</b>
<b>Others</b>	<b>157,000</b>	<b>172,000</b>	<b>164,000</b>	<b>10%</b>	<b>-5%</b>	<b>12%</b>	<b>-20%</b>
IT - manufacturing	51,000	48,000	47,000	-6%	-2%	-2%	-2%
Telecoms - manufacturing	20,000	27,000	25,000	35%	-5%	5%	-3%
IT - wholesale/retail	44,000	43,000	38,000	-2%	-12%	-1%	-12%
Telecoms - wholesale/retail	42,000	55,000	54,000	30%	-2%	10%	-3%
<b>Tech sector</b>	<b>1,545,000</b>	<b>1,649,000</b>	<b>1,726,000</b>	<b>7%</b>	<b>5%</b>	-	-

Source: The Tech Partnership analysis of ONS LFS data, Q3.09-14



## Key employment data for the tech sector

	UK workforce	Workers in the tech industry	Tech specialists in all industries	All tech sector workers
<b>Gender</b>				
Male	53%	77%	83%	78%
Female	47%	23%	17%	22%
<b>Mode of employment</b>				
Employees	85%	85%	87%	88%
Self-employed	15%	14%	13%	11%
<b>Hours of work</b>				
Full-time	73%	89%	93%	91%
Part-time	27%	11%	7%	9%
<b>Occupational group</b>				
Managers/Directors/Senior Officials	10%	14%	7%	10%
Professionals	20%	48%	70%	55%
Associate professionals/technical	14%	17%	15%	18%
Administrative/secretarial	11%	6%	-	4%
Skilled trades	11%	6%	8%	7%
Caring/leisure/other services	9%	*	-	*
Sales/customer service	8%	7%	-	4%
Process/plant/machine operatives	6%	1%	-	1%
Elementary	11%	*	-	*

Source: The Tech Partnership analysis of ONS LFS data, Q3.14





## Level of educational attainment amongst tech sector workers, 2013

	UK workforce	Workers in the tech industry	Tech specialists in all industries	All tech sector workers
Degree/HE qualifications	42%	63%	68%	63%
GCE A-level/equivalent	24%	19%	17%	19%
GCSE grades A-C/equivalent	20%	13%	12%	13%
Other qualifications	9%	4%	2%	4%
No qualifications	6%	1%	*	1%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Source: *The Tech Partnership analysis of ONS LFS data, Q3.14*



## Digital Enterprise

### Recent trends in the number of tech/other enterprises

	2008	2013	2014	Change 2008-13	Change 2013-14	Share of tech industry change	
						2008- 2013	2013- 2014
<b>All enterprises</b>	<b>2,161,600</b>	<b>2,167,600</b>	<b>2,263,600</b>	<b>0.3%</b>	<b>4%</b>	<b>-</b>	<b>-</b>
<b>Tech enterprises</b>	<b>131,800</b>	<b>146,800</b>	<b>158,400</b>	<b>11%</b>	<b>8%</b>	<b>100%</b>	<b>100%</b>
<b>IT software and services</b>	<b>114,600</b>	<b>128,000</b>	<b>139,300</b>	<b>12%</b>	<b>9%</b>	<b>89%</b>	<b>97%</b>
IT - programming	10,800	27,700	29,000	156%	5%	112%	12%
IT - consultancy	64,100	70,700	80,300	10%	14%	44%	83%
IT - data	2,600	2,900	3,000	12%	2%	2%	<1%
IT - web	700	1,400	1,300	95%	-7%	5%	-1%
IT - other	36,400	25,300	25,700	-31%	1%	-74%	3%
<b>Telecoms services</b>	<b>5,500</b>	<b>7,900</b>	<b>8,100</b>	<b>43%</b>	<b>2%</b>	<b>16%</b>	<b>1%</b>
Telecoms - wired	400	1,200	1,300	171%	5%	5%	1%
Telecoms - wireless	400	900	1,100	138%	18%	4%	1%
Telecoms - satellite	100	200	200	84%	-3%	<1%	<1%
Telecoms - other	4,600	5,600	5,500	22%	-1%	7%	-1%
<b>Computer games</b>	<b>500</b>	<b>1,300</b>	<b>1,400</b>	<b>184%</b>	<b>11%</b>	<b>6%</b>	<b>1%</b>
<b>Others</b>	<b>11,200</b>	<b>9,600</b>	<b>9,600</b>	<b>-14%</b>	<b>0%</b>	<b>-11%</b>	<b>&lt;1%</b>
IT - manufacturing	900	800	800	-14%	4%	-1%	<1%
Telecoms - manufacturing	1,900	1,400	1,300	-27%	-4%	-3%	-1%
IT - wholesale/retail	4,600	3,700	3,700	-20%	<1%	-6%	<1%
Telecoms - wholesale/retail	3,800	3,800	3,800	-1%	1%	<1%	<1%

Source: The Tech Partnership analysis of IDBR data from ONS/NOMIS



## Distribution of tech enterprises by sub-sector and size, 2014

	Micro	Small	Medium	Large	Total
<b>All enterprises</b>	<b>88%</b>	<b>10%</b>	<b>2%</b>	<b>0.4%</b>	<b>2,263,600</b>
<b>Tech enterprises</b>	<b>94%</b>	<b>5%</b>	<b>1%</b>	<b>0.2%</b>	<b>158,400</b>
<b>IT software and services</b>	<b>95%</b>	<b>4%</b>	<b>1%</b>	<b>0.1%</b>	<b>139,300</b>
IT - programming	95%	4%	1%	0.2%	29,000
IT - consultancy	96%	3%	1%	0.1%	80,300
IT - data	89%	8%	2%	0.5%	3,000
IT - web	95%	5%	0%	<0.1%	1,300
IT - other	92%	7%	1%	0.1%	25,700
<b>Telecoms services</b>	<b>89%</b>	<b>8%</b>	<b>2%</b>	<b>0.6%</b>	<b>8,100</b>
Telecoms - wired	93%	6%	1%	0.0%	1,300
Telecoms - wireless	91%	6%	2%	0.5%	1,100
Telecoms - satellite	90%	3%	0%	<0.1%	200
Telecoms - other	88%	9%	2%	0.7%	5,500
<b>Computer games</b>	<b>91%</b>	<b>7%</b>	<b>1%</b>	<b>0.3%</b>	<b>1,400</b>
<b>Others</b>	<b>84%</b>	<b>13%</b>	<b>2%</b>	<b>0.6%</b>	<b>9,600</b>
IT - manufacturing	90%	7%	2%	0.6%	800
Telecoms - manufacturing	84%	11%	3%	1.1%	1,300
IT - wholesale/retail	85%	12%	2%	0.7%	3,700
Telecoms - wholesale/retail	81%	16%	3%	0.4%	3,800

Source: The Tech Partnership analysis of IDBR data from ONS/NOMIS



## Tech enterprises by age of business, 2014

	Less than 2 Years	2 - 3 Years	4 - 9 Years	10 or more Years	Total
<b>All enterprises</b>	<b>19%</b>	<b>13%</b>	<b>24%</b>	<b>44%</b>	<b>2,263,600</b>
<b>Tech enterprises</b>	<b>26%</b>	<b>19%</b>	<b>28%</b>	<b>27%</b>	<b>158,400</b>
<b>IT software and services</b>	<b>27%</b>	<b>19%</b>	<b>28%</b>	<b>26%</b>	<b>139,300</b>
IT - programming	31%	36%	20%	13%	29,000
IT - consultancy	29%	16%	31%	24%	80,300
IT - data	25%	20%	35%	20%	3,000
IT - web	28%	36%	33%	3%	1,300
IT - other	15%	11%	25%	49%	25,700
<b>Telecoms services</b>	<b>23%</b>	<b>24%</b>	<b>32%</b>	<b>21%</b>	<b>8,100</b>
Telecoms - wired	34%	31%	25%	9%	1,300
Telecoms - wireless	41%	27%	23%	10%	1,100
Telecoms - satellite	23%	30%	33%	13%	200
Telecoms - other	17%	21%	35%	27%	5,500
<b>Computer games</b>	<b>39%</b>	<b>28%</b>	<b>24%</b>	<b>9%</b>	<b>1,400</b>
<b>Others</b>	<b>20%</b>	<b>12%</b>	<b>23%</b>	<b>45%</b>	<b>9,600</b>
IT - manufacturing	25%	9%	20%	46%	800
Telecoms - manufacturing	11%	5%	19%	66%	1,300
IT - wholesale/retail	22%	12%	25%	42%	3,700
Telecoms - wholesale/retail	20%	14%	25%	42%	3,800

Source: The Tech Partnership analysis of (bespoke) ONS IDBR data



## Tech enterprises by nation/region, 2014

	All enterprises	Tech enterprises	IT software and services	Telecoms services	Computer games	Others
North East	3%	2%	2%	2%	2%	2%
North West	10%	8%	8%	9%	7%	10%
Yorkshire/The Humber	7%	5%	5%	6%	5%	7%
East Midlands	7%	5%	5%	6%	5%	7%
West Midlands	8%	7%	7%	8%	5%	9%
East	10%	11%	11%	12%	7%	12%
London	18%	26%	26%	22%	34%	16%
South East	16%	22%	22%	20%	21%	21%
South West	9%	8%	8%	8%	6%	8%
Wales	4%	2%	2%	3%	2%	3%
Scotland	7%	5%	5%	4%	6%	4%
Northern Ireland	3%	1%	1%	1%	<1%	2%
<b>UK total</b>	<b>2,263,600</b>	<b>158,400</b>	<b>139,300</b>	<b>8,100</b>	<b>1,400</b>	<b>9,600</b>

Source: The Tech Partnership analysis of IDBR data from ONS/NOMIS



## Trends in Tech enterprises by nation/region, 2008-14

	2008	2013	2014	Change 2008-13	Change 2013-14	Share of tech industry change	
						2008- 2013	2013- 2014
North East	2,200	2,400	2,500	6%	7%	1%	1%
North West	10,900	11,400	12,400	5%	8%	3%	8%
Yorkshire/The Humber	6,800	7,300	7,800	7%	6%	3%	4%
East Midlands	7,400	7,500	8,000	2%	6%	1%	4%
West Midlands	9,400	9,800	10,600	4%	8%	3%	7%
East	15,100	16,000	17,300	6%	8%	6%	11%
London	28,400	36,500	40,500	28%	11%	52%	35%
South East	29,500	32,300	34,200	9%	6%	18%	17%
South West	10,900	11,800	12,700	9%	7%	6%	7%
Wales	3,200	3,100	3,300	-1%	6%	0%	2%
Scotland	6,200	7,200	7,700	17%	7%	7%	4%
Northern Ireland	1,200	1,300	1,400	6%	7%	0%	1%
<b>UK</b>	<b>131,800</b>	<b>146,800</b>	<b>158,400</b>	<b>11%</b>	<b>8%</b>	<b>100%</b>	<b>100%</b>

Source: The Tech Partnership analysis of IDBR data from ONS/NOMIS



## Background Information

### Standard Industrial Classification (SIC)

The Standard Industrial Classification (SIC) system was developed by ONS as a means of 'classifying business establishments and other statistical units by the type of economic activity in which they are engaged.

The latest version of SIC (SIC2007) sets out a hierarchical structure consisting of 9 high level (single-digit) sector codes, 21 (single-letter) sections codes, 88 (two digit) divisions, 272 (three digit ) groups, 615 (four digit) classes and a further 191 (5 digit) sub-classes.

When analysing the data sets referenced within this report we have used, where possible, the following four/five digit SIC2007 codes to define the tech industry:

SIC2007 code	Descriptor
18.20/3	Reproduction of computer media
26.2	Manufacture of computers & peripheral equipment
26.3	Manufacture of communication equipment
26.30/1	Manufacture of telegraph & telephone apparatus & equipment
26.30/9	Manufacture of communication equipment (other than telegraph & telephone apparatus & equipment)
27.31	Manufacture of fibre optic cables
46.51	Wholesale of computers, computer peripheral equipment & software
46.52	Wholesale of electronic & telecommunications equipment & parts
47.41	Retail sale of computers, peripheral units & software in specialised stores
47.42	Retail sale of telecommunications equipment in specialised stores
47.42/1	Retail sale of mobile telephones in specialised stores
47.42/9	Retail sale of telecommunications equipment (other than mobile telephones) n.e.c., in specialised stores
58.21	Publishing of computer games
58.29	Other software publishing
61.1	Wired telecommunications activities
61.2	Wireless telecommunications activities
61.3	Satellite telecommunications activities
61.9	Other telecommunications activities
62.01	Computer programming activities
62.01/1	Ready-made interactive leisure & entertainment software development
62.01/2	Business & domestic software development
62.02	Computer consultancy activities
62.03	Computer facilities management activities
62.09	Other information technology & computed service activities
63.11	Data processing, hosting & related activities
63.12	Web portals
95.11	Repair of computers & peripheral equipment
95.12	Repair of communication equipment

In order to aid readability and to minimise the instances in which data suppression is required these codes were then combined to create the broader groupings presented within the report. Details of this process are presented overleaf.



Broad group	Sub-group	SIC code(s)
	<b>Tech enterprises</b>	<b>A, B, C, D</b>
<b>A</b>	<b>IT software and services</b>	
	IT - programming	62.01/2
	IT - consultancy	62.02
	IT - data	63.11
	IT - web	63.12
	IT - other	62.03, 62.09, 58.29, 95.11
<b>B</b>	<b>Telecoms services</b>	
	Telecoms - wired	61.10
	Telecoms - wireless	61.20
	Telecoms - satellite	61.30
	Telecoms - other	61.9, 95.12
<b>C</b>	<b>Computer games</b>	<b>62.01/1, 58.21</b>
<b>D</b>	<b>Others</b>	
	IT - manufacturing	18.203, 26.2
	Telecoms - manufacturing	26.3 (26.30/1, 26.309), 27.31
	IT - wholesale/retail	46.51, 47.41
	Telecoms - wholesale/retail	46.52, 47.42 (47.42/1, 47.42/9)

## Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) system has been developed by ONS to provide a common methodology for the classification of occupations in the UK based upon associated skill levels and skill content. It is set out under a hierarchical system and in the latest version (SOC2010) consists of 9 high level, single-digit codes (major groups) which are then sub-divided into 25 more detailed two-digit classifications (sub-major groups), 90 three-digit codes (minor groups) and finally 369 four-digit (unit) codes.

When analysing the data sets referenced within this report we used (where possible) the following four-digit SOC2010 unit codes to define tech specialists.

<b>Managers/Directors/Senior Officials</b>	
1136	Information technology and telecommunications directors
<b>Professionals</b>	
2133	IT specialist managers
2134	IT project and programme managers
2135	IT business analysts, architects and systems designers
2136	Programmers and software development professionals
2137	Web design and development professionals
2139	Information technology and telecommunications professionals n.e.c.
<b>Associate professionals/technical</b>	
3131	IT operations technicians
3132	IT user support technicians
<b>Skilled trades</b>	
5242	Telecommunications engineers
5245	IT engineers





The latest version of SOC (SOC2010) was introduced from 2011 as an update/ replacement for the previous classification system employed (SOC2000) and as such when presenting data for earlier years it was first necessary to undertake a back-casting exercise to obtain comparable estimates. Further details of this process are available on request.

## **Data Presentation**

### **Size bands**

- > Micro Up to nine employees
- > Small 10-49 employees
- > Medium 50-249 employees
- > Large 250 or more employees

### **Totals/rounding**

Figures may not always comply due to rounding. Rounding conventions employed are: Enterprise counts – nearest 100, GVA/LFS figures - nearest 1,000.

### **Missing values/suppression**

In cases where data have been deemed by ONS to be disclosive or unreliable (e.g. LFS estimates below 10,000) estimates have been removed and associated cells marked accordingly (\*).

In order to avoid issues of suppression within tables relating to GVA per head, BRES (GB) employment estimates have been used in a small number of cases to allow associated calculations to be undertaken. The effects of using these figures in place of UK wide estimates are thought to be minimal in such cases due to the relatively small proportion of UK employment accounted for by such firms based within Northern Ireland.

In addition, in a small number of cases missing data has been imputed using other means – again, the effects upon the data presented will generally be negligible due to the relative proportions/size of estimates involved.

### **Enterprises/businesses/firms**

An Enterprise is termed by ONS as ‘the smallest combination of legal units (generally based on VAT and/or PAYE records) which has a certain degree of autonomy within an enterprise group’ (ONS). Within this report the terms enterprise(s), business(es), company(ies) and firm(s) have been used interchangeably.

### **Employment**

Employment references relate to the primary occupation/industry of employment only and exclude second jobs.



© 2015 Reserved

All rights reserved. No part of this material protected by this copyright may be reproduced or utilised in any form, or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system without credit to the Tech Partnership Ltd.

**Disclaimer:**

Although the Tech Partnership Ltd has used its reasonable endeavours in compiling the document it does not guarantee nor shall it be responsible for reliance upon the contents of the document and shall not be liable for any false, inaccurate or incomplete information. Any reliance placed upon the contents by the reader is at the reader's sole risk and the Tech Partnership Ltd shall not be liable for any consequences of such reliance.

**For further information please contact:**



The Tech Partnership  
1 Castle Lane  
London  
SW1E 6DR

+44 207 963 8920

[info@thetechpartnership.com](mailto:info@thetechpartnership.com)

[www.thetechpartnership.com](http://www.thetechpartnership.com)

On behalf of the Tech Partnership, 1 Castle Lane, London SW1E 6DR

Tel: 020 7963 8920 / Fax: 020 7592 9138

[info@thetechpartnership.com](mailto:info@thetechpartnership.com) / [www.thetechpartnership.com](http://www.thetechpartnership.com)

Proprietor: The Tech Partnership Limited - A not-for-profit company limited by guarantee - Registered in England no. 4019051 - Registered office: Victoria House, 39 Winchester Street, Basingstoke, Hampshire RG21 7EQ - VAT no GB 830 3758 35