

E ICT sector

In general, **the term ICT sector** includes a combination of ICT manufacturing and ICT services industries which are associated with the production and/or distribution of information and communication technologies and a provision of related services.

The list of ICT sector activities (industries) is decided on the following OECD definition: "The production (goods and services) of a candidate industry must primarily be intended to fulfill or enable the function of information processing and communication by electronic means including transmission and display".

In 2007 the ICT sector together with Content and media sector (information economy) was recognized by the United Nation Statistics Division as a new alternative grouping of economic activities defined within the International Standard Industrial Classification of All Economic Activities (ISIC), Revision 4. For more information see following web page:

http://unstats.un.org/unsd/cr/registry/docs/i4_information_economy.pdf

The activities (industries) in the ICT sector can be grouped into the following free main categories: ICT manufacturing industries, ICT trade industries and ICT services industries. ICT sector involves all businesses whose dominating activities belong to the **CZ-NACE groups** as follows:

ICT manufacturing industries:

- Manufacture of electronic components and boards (26.1)
- Manufacture of computers and peripheral equipment (26.2)
- Manufacture of communication equipment (26.3)
- Manufacture of consumer electronics and media (26.4 and 26.8)

ICT trade industries:

- Wholesale of information and communication equipment (46.5)

ICT services industries:

Telecommunication activities:

- Wired telecommunications activities (61.1)
- Wireless telecommunications activities (61.2)
- Satellite and other telecommunications activities. (61.3 and 61.9)

IT services:

- Software publishing; Computer programming, consultancy and related activities (58.2 and 62.0)
- Data processing, hosting and related activities; web portals (63.1)
- Repair of computers and communication equipment (95.1)

Data for this chapter were obtained from the annual structural survey of business entities from selected production industries (**SBS – Structural business statistics**) providing a more detailed range of final data which are available with a greater time delay. In the case of SBS the first reference period for data processing according to the new classification CZ-NACE was the year 2008. Data for 2005–2007 are based on the retroactive conversion of structural data. More information about the data from the SBS, including definitions of individual indicators, is available at: http://epp.eurostat.ec.europa.eu/statistics_explained/index.php/Structural_business_statistics

The **Eurostat Structural Business Statistics Database** was used as a data source for the international comparison.

http://epp.eurostat.ec.europa.eu/portal/page/portal/european_business/introduction

Further information on ICT sector statistics can be found at:

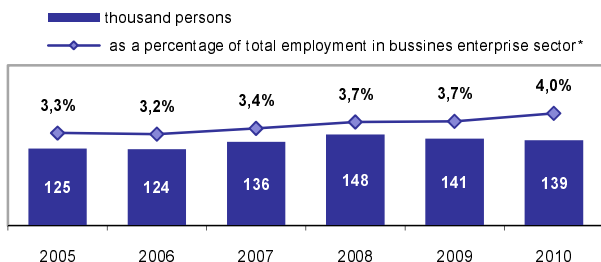
http://www.czso.cz/eng/redakce.nsf/i/ict_sector

E ICT sector

Table E1 Employment in ICT sector in the Czech Republic

	headcount persons		
	2008	2009	2010
Total	147 916	141 068	138 596
ICT manufacturing	41 515	34 432	29 375
ICT trade industries	11 235	10 389	10 975
Telecommunications	22 196	21 859	21 264
IT services	72 970	74 388	76 983

Figure E1 Employment in ICT sector



*without Financial and insurance activities (CZ-NACE Section K)

Figure E2 Composition of employment in ICT sector by main groups of activities

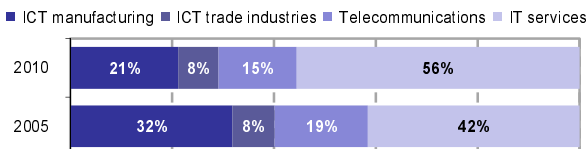


Figure E3 Composition of employment in ICT sector by ownership of enterprises

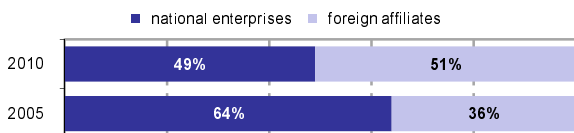
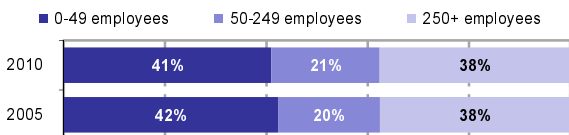


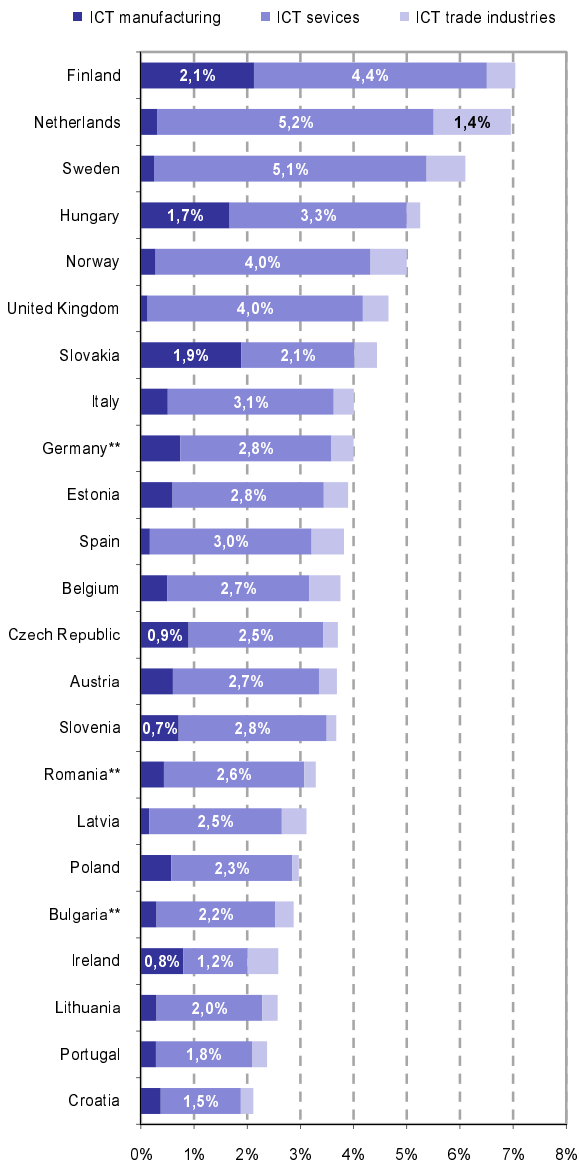
Figure E4 Composition of employment in ICT sector by size class of enterprises



Source: CZSO, Structural Business Survey

E ICT sector

**Figure E5 Employment in ICT sector, 2009
(as a percentage of total business sector employment*)**



* without Financial and insurance activities (CZ-NACE Section K)

** year 2008

Source: Eurostat, Structural business statistics

E ICT sector

Table E2 Employment in ICT manufacturing in the CR

	headcount persons		
	2008	2009	2010
Total	41 515	34 432	29 375
Employees	39 114	32 093	27 039
Self-employed	2 402	2 339	2 337
Ownership of enterprises			
national enterprises	11 936	8 694	8 402
foreign affiliates	29 579	25 739	20 973
Size class of enterprises			
Small (0-49 employees)	7 061	6 710	6 627
Medium (50-249 employees)	6 485	6 491	5 596
Large (250+ employees)	27 969	21 231	17 152
Industry (CZ-NACE Group)			
Manuf. of computers and peripherals	10 129	8 269	8 130
Manuf. of electronic components	11 623	9 184	8 850
Manuf. of communication equipment	6 713	6 516	6 600
Manuf. of consumer electronics	13 050	10 464	5 794

Figure E6 Employment in ICT manufacturing

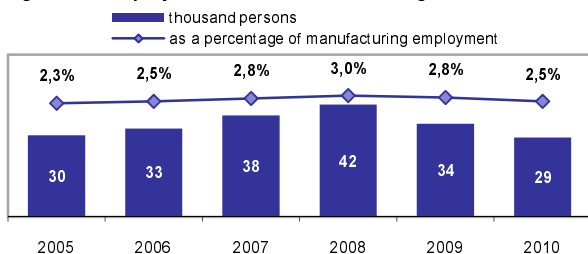


Figure E7 Composition of employment in ICT manufacturing by Industry

- Manuf. of computers and peripherals
- Manuf. of electronic components
- Manuf. of communication equipment
- Manuf. of consumer electronics

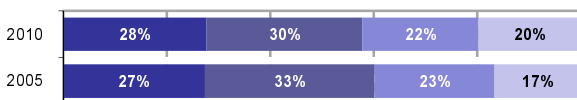
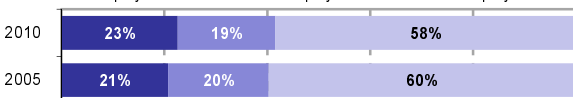


Figure E8 Composition of employment in ICT manufacturing by size class of enterprises

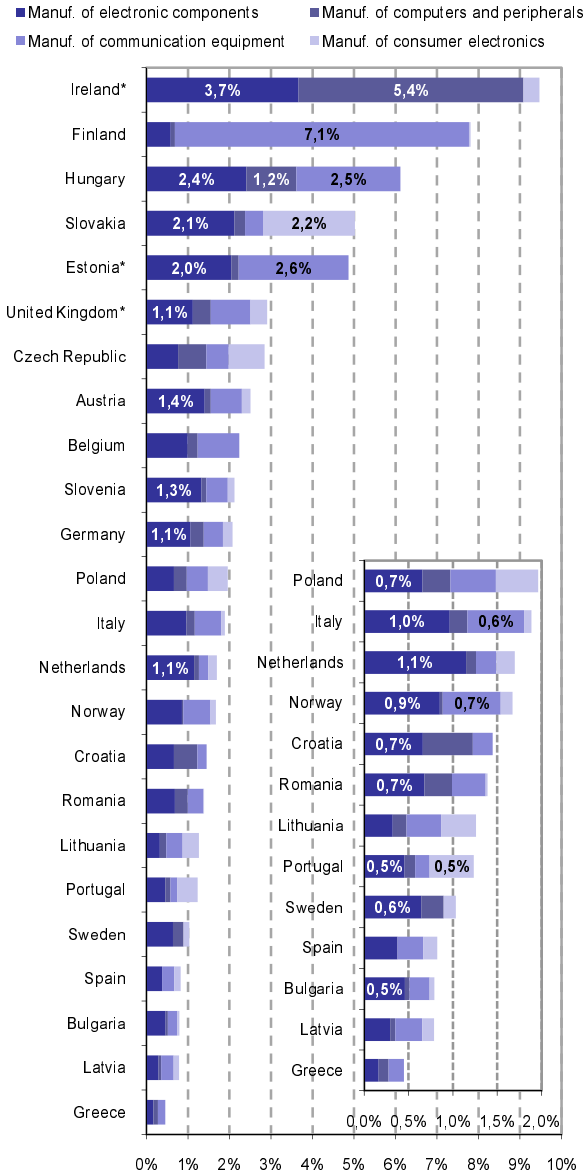
- 0-49 employees
- 50-249 employees
- 250+ employees



Source: CZSO, Structural Business Survey

E ICT sector

**Figure E9 Employment in ICT manufacturing, 2009
(as a percentage of total manufacturing employment)**



* year 2008

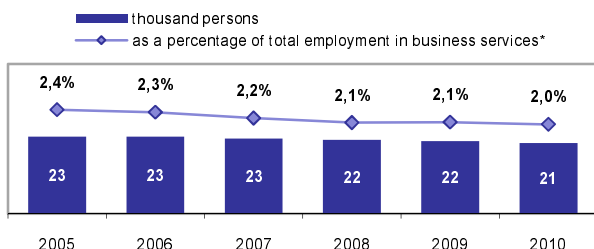
Source: Eurostat, Structural business statistics

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Table E3 Employment in Telecommunications in the CR

	headcount persons		
	2008	2009	2010
Total	22 196	21 859	21 264
Employees	21 087	20 856	20 419
Self-employed	1 109	1 002	845
Ownership of enterprises			
national enterprises	5 051	4 895	4 654
foreign affiliates	17 145	16 963	16 610
Size class of enterprises			
Small (0-49 employees)	3 872	3 796	3 383
Medium (50-249 employees)	1 903	1 634	1 836
Large (250+ employees)	16 421	16 429	16 045
Industry (CZ-NACE Group)			
Wireless telecommunications activities	8 339	8 542	8 820
Wired telecommunications activities	12 951	12 428	11 600
Other telecommunications activities	905	888	844

Figure E10 Employment in Telecommunications



*without Financial and insurance activities (CZ-NACE Section K)

Figure E11 Composition of employment in Telecommunications by Industry

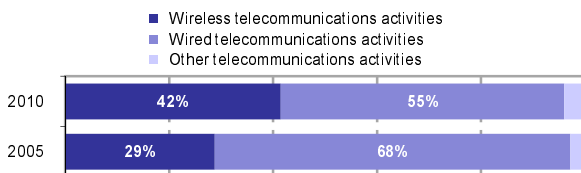
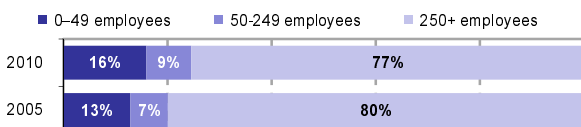


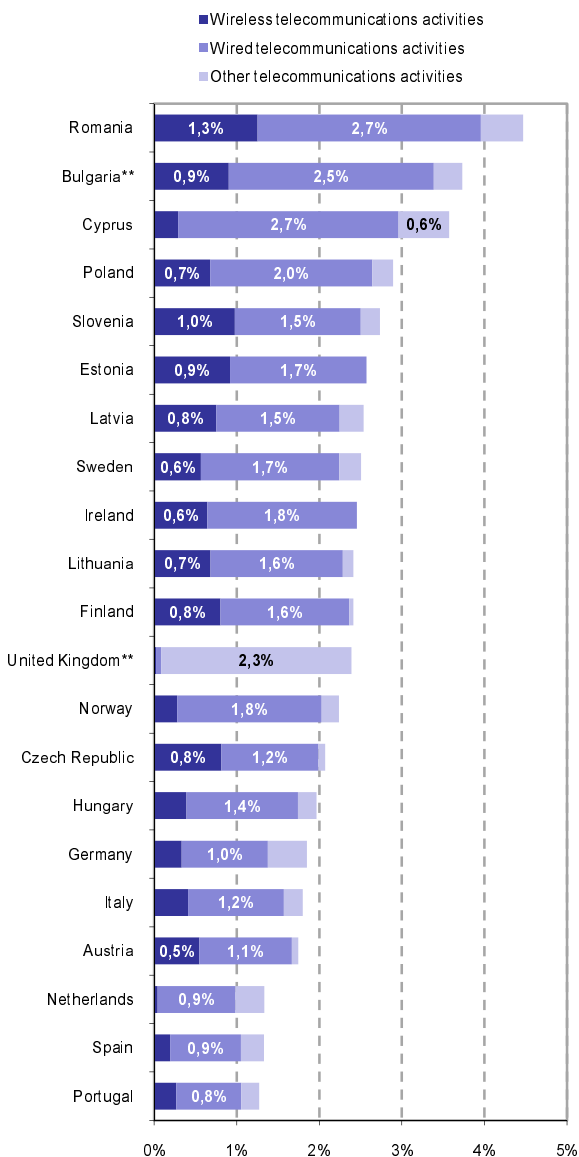
Figure E12 Composition of employment in Telecommunications by size class of enterprises



Source: CZSO, Structural Business Survey

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Figure E13 Employment in Telecommunications, 2009
(as a percentage of total employment in business services*)



* without Financial and insurance activities (CZ-NACE Section K)

** year 2008

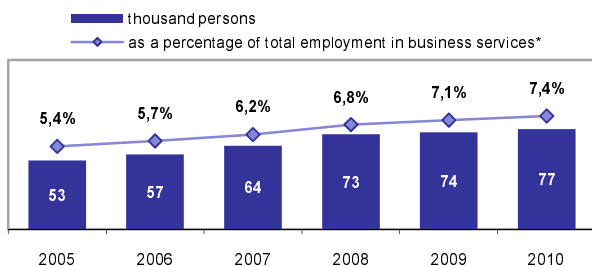
Source: Eurostat, Structural business statistics

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Table E4 Employment in IT services in the Czech Republic

	headcount persons		
	2008	2009	2010
Total	72 970	74 388	76 983
Employees	58 261	58 920	61 177
Self-employed	14 709	15 468	15 806
Ownership of enterprises			
national enterprises	46 459	45 294	47 346
foreign affiliates	26 512	29 094	29 637
Size class of enterprises			
Small (0-49 employees)	38 350	38 963	39 308
Medium (50-249 employees)	18 146	17 456	18 982
Large (250+ employees)	16 474	17 969	18 693
Industry (CZ-NACE Group)			
Computer programming and related act.	55 790	56 660	59 235
Data processing, hosting and related act	11 106	11 035	10 996
Repair of PCs and commun. equipment	6 074	6 693	6 752

Figure E14 Employment in IT services



* without Financial and insurance activities (CZ-NACE Section K)

Figure E15 Composition of employment in IT services by Industry

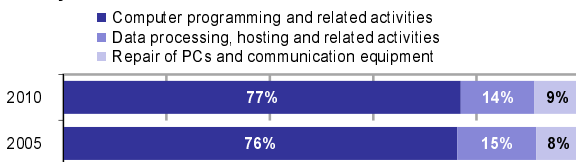
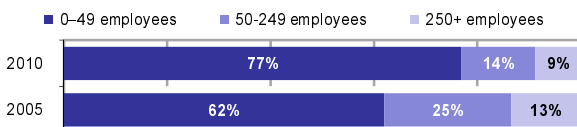


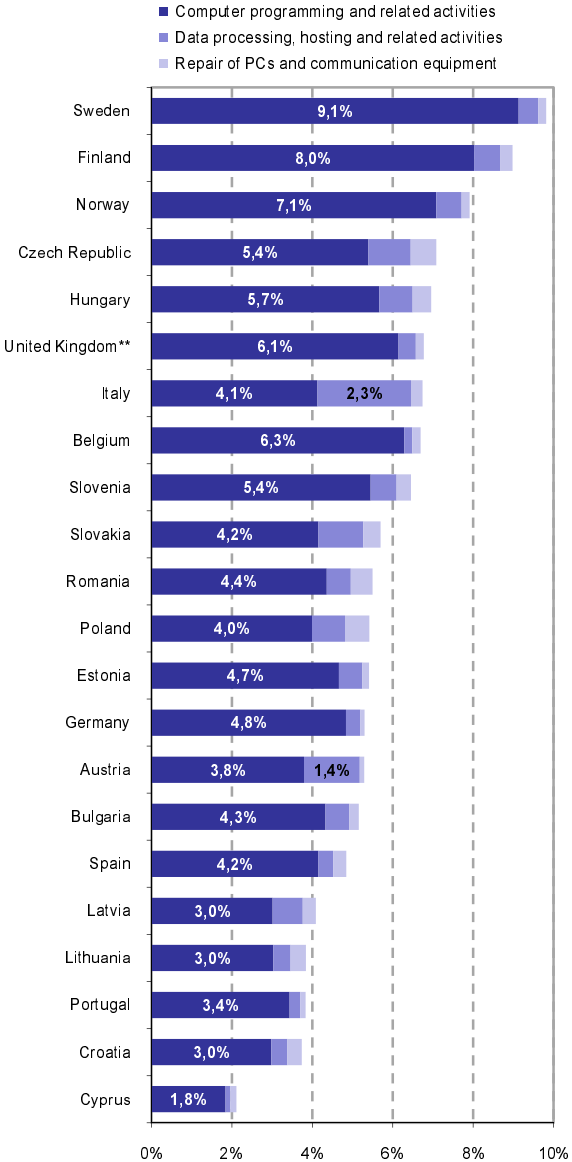
Figure E16 Composition of employment in IT services by size class of enterprises



Source: CZSO, Structural Business Survey

E ICT sector

**Figure E17 Employment in IT services by Industry, 2009
(as a percentage of total business services employment*)**



* without Financial and insurance activities (CZ-NACE Section K)

** year 2008

Source: Eurostat, Structural business statistics

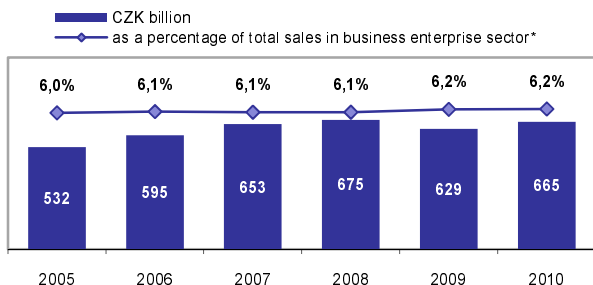
E ICT sector

Table E5 Sales in ICT sector in the Czech Republic

CZK million

	2008	2009	2010
Total	674 813	628 505	664 522
ICT manufacturing	265 053	230 892	257 320
ICT trade industries	108 033	94 287	111 453
Telecommunications	144 655	137 639	128 773
IT services	157 073	165 687	166 975

Figure E18 Sales in ICT sector



* without Financial and insurance activities (CZ-NACE Section K)

Figure E19 Sales in ICT sector by main groups of activities

■ ICT manufacturing ■ ICT trade industries ■ Telecommunications ■ IT services

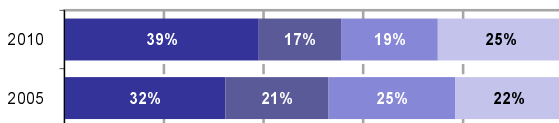


Figure E20 Sales in ICT sector by ownership of enterprises

■ national enterprises ■ foreign affiliates

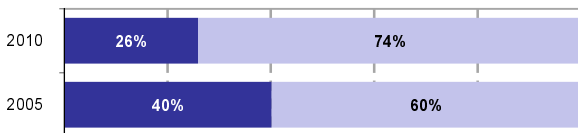
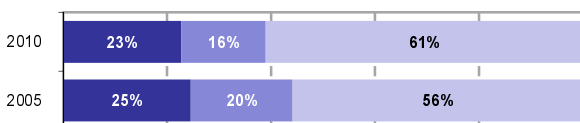


Figure E21 Sales in ICT sector by size class of enterprises

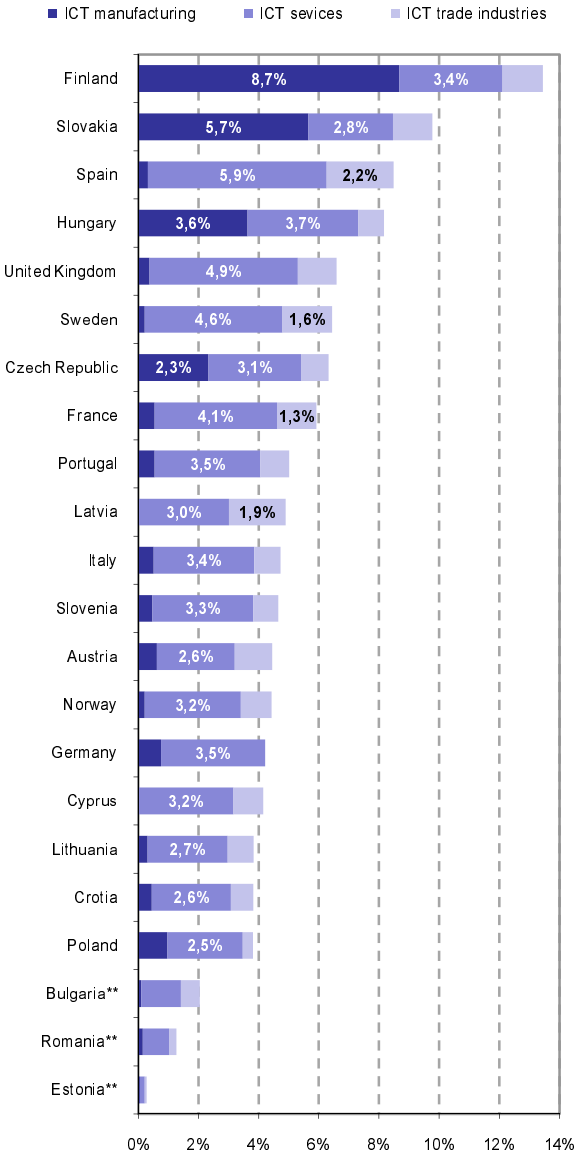
■ 0-49 employees ■ 50-249 employees ■ 250+ employees



Source: CZSO, Structural Business Survey

E ICT sector

Figure E22 Sales in ICT sector, 2009
(as a percentage of total sales in business enterprise sector*)



* without Financial and insurance activities (CZ-NACE Section K)

** year 2008

Source: Eurostat, Structural business statistics

E ICT sector

Table E6 Sales in ICT manufacturing in the Czech Republic

CZK million

	2008	2009	2010
Total	265 053	230 892	257 320
from own production	255 059	221 713	247 084
Ownership of enterprises			
national enterprises	35 812	12 459	15 132
foreign affiliates	229 241	218 433	242 189
Size class of enterprises			
Small (0-49 employees)	15 131	13 705	12 749
Medium (50-249 employees)	11 132	10 811	15 272
Large (250+ employees)	238 790	206 377	229 299
Industry (CZ-NACE Group)			
Manuf. of computers and peripherals	125 080	115 029	148 135
Manuf. of electronic components	32 842	27 615	32 400
Manuf. of communication equipment	15 861	15 178	18 909
Manuf. of consumer electronics	91 270	73 069	57 875

Figure E23 Sales in ICT manufacturing

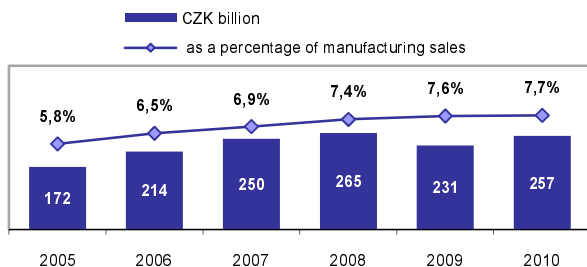


Figure E24 Composition of sales in ICT manufacturing by size class of enterprises

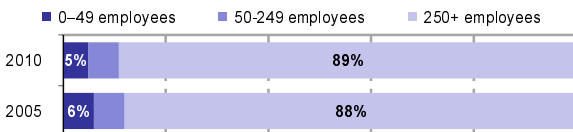
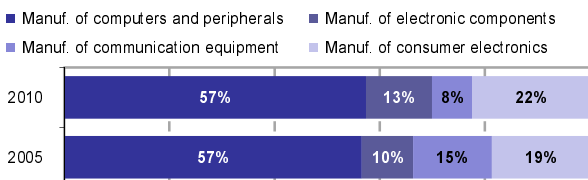


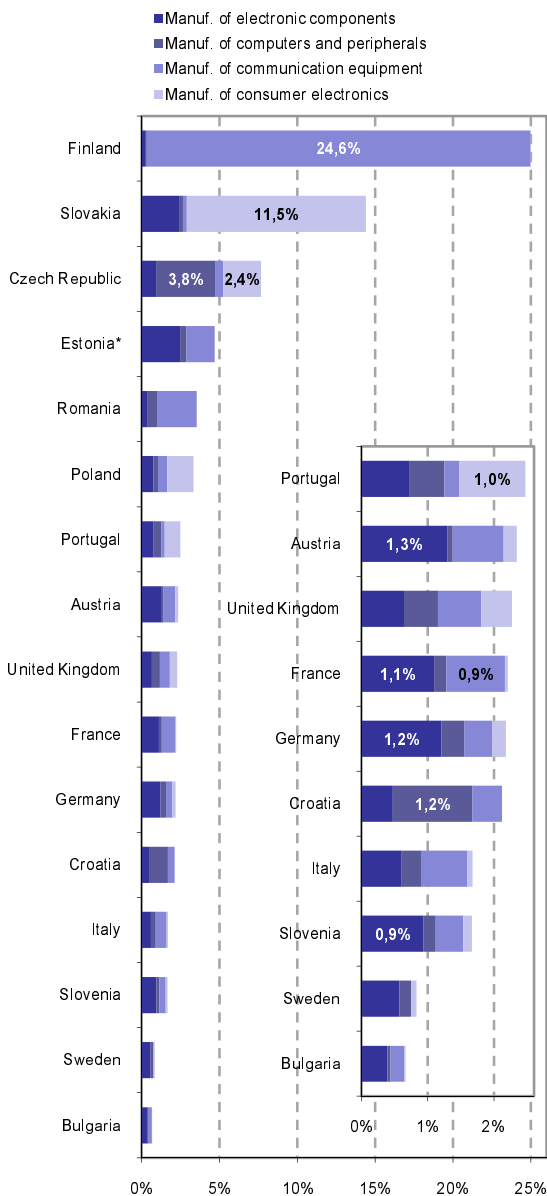
Figure E25 Composition of sales in ICT manufacturing by Industry



Source: CZSO, Structural Business Survey

E ICT sector

Figure E26 Sales in ICT manufacturing by Industry, 2009
(as a percentage of total manufacturing sales)



* year 2008

Source: Eurostat, Structural business statistics

E ICT sector

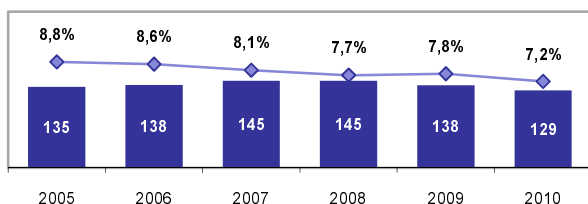
Table E7 Sales in Telecommunications in the Czech Republic

CZK million

	2008	2009	2010
Total	144 655	137 639	128 773
from own production	139 607	132 696	123 577
Ownership of enterprises			
national enterprises	9 463	9 755	9 413
foreign affiliates	135 192	127 885	119 361
Size class of enterprises			
Small (0-49 employees)	9 640	10 620	9 758
Medium (50-249 employees)	5 198	5 354	5 565
Large (250+ employees)	129 817	121 666	113 451
Industry (CZ-NACE Group)			
Wireless telecommunications activities	62 374	59 321	55 378
Wired telecommunications activities	79 482	74 825	69 789
Other telecommunications activities	2 799	3 494	3 607

Figure E27 Sales in Telecommunications

■ CZK billion ◆ as a percentage of total business services sales*



*without Financial and insurance activities (CZ-NACE Section K)

Figure E28 Composition of sales in Telecommunications by Industry

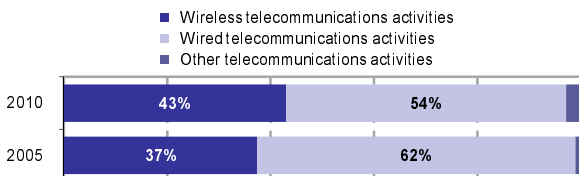
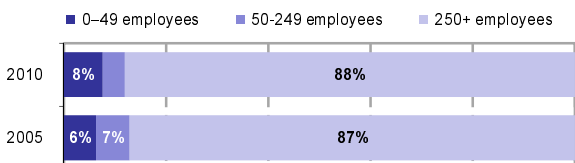


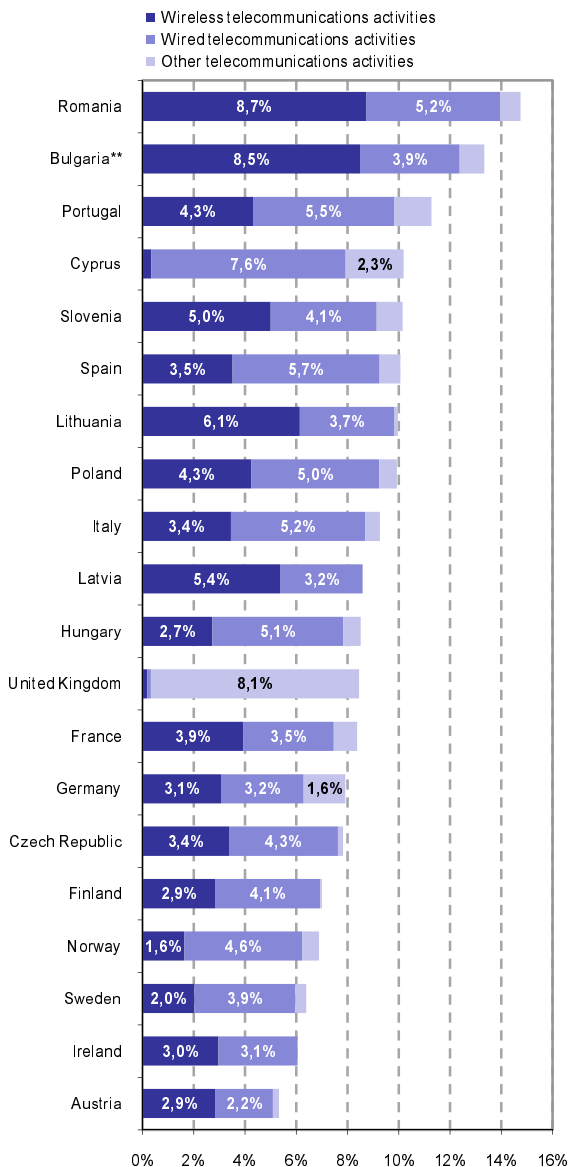
Figure E29 Composition of sales in Telecommunications by size class of enterprises



Source: CZSO, Structural Business Survey

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Figure E30 Sales in Telecommunications by Industry, 2009
(as a percentage of total business services sales*)



* without Financial and insurance activities (CZ-NACE Section K)

** year 2008

Source: Eurostat, Structural business statistics

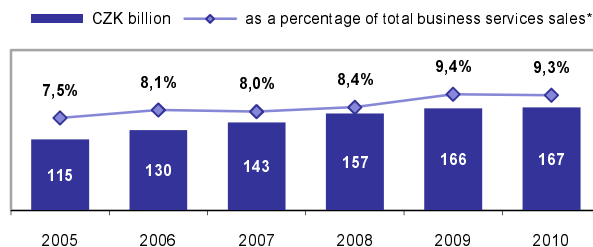
E ICT sector

Table E8 Sales in IT services in the Czech Republic

CZK million

	2008	2009	2010
Total	157 073	165 687	166 975
from own production	135 584	142 947	145 525
Ownership of enterprises			
national enterprises	77 536	75 846	80 139
foreign affiliates	79 536	89 840	86 837
Size class of enterprises			
Small (0-49 employees)	67 748	66 259	66 018
Medium (50-249 employees)	34 837	40 608	42 263
Large (250+ employees)	54 488	58 820	58 695
Industry (CZ-NACE Group)			
Computer programming and related activities	124 146	129 532	130 855
Data processing, hosting and related activities	22 340	23 263	23 764
Repair of PCs and communication equipment	10 587	12 892	12 357

Figure E31 Sales in IT services



*without Financial and insurance activities (CZ-NACE Section K)

Figure E32 Composition of sales in IT services by Industry

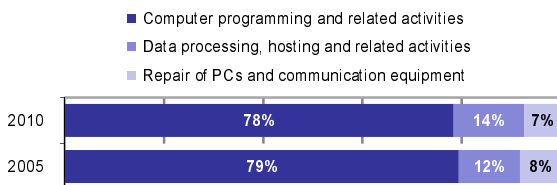
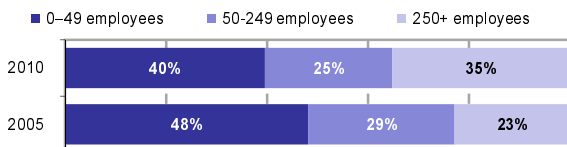


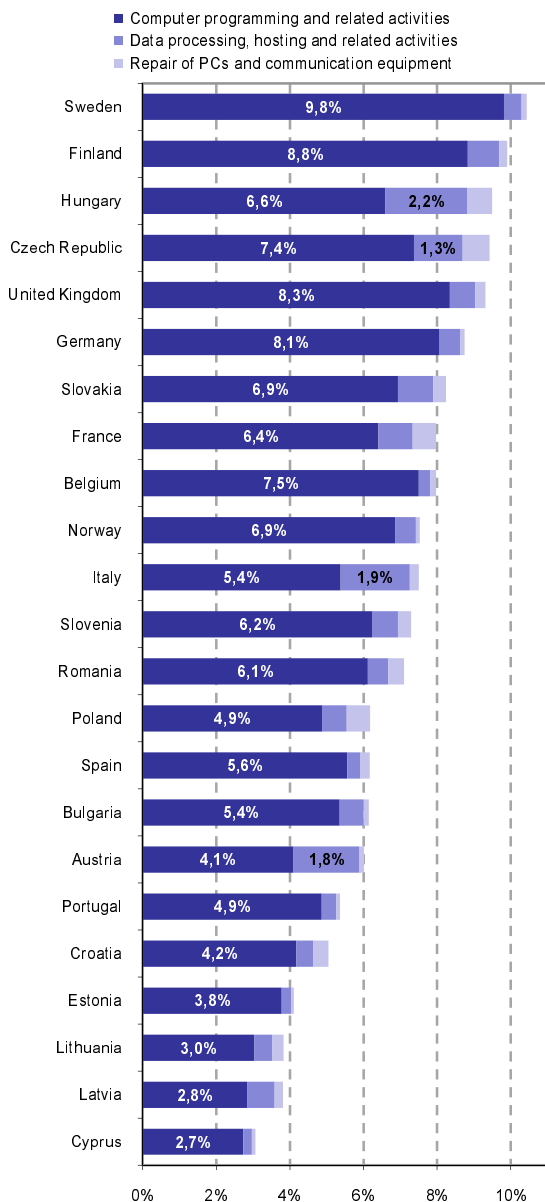
Figure E33 Composition of sales in IT services by size class of enterprises



Source: CZSO, Structural Business Survey

E ICT sector

**Figure E34 Sales in IT services by Industry, 2009
(as a percentage of total business services sales*)**



* without Financial and insurance activities (CZ-NACE Section K)

Source: Eurostat, Structural business statistics

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Table E9 Sales in ICT trade industries in the Czech Republic

CZK million

	2008	2009	2010
Total	108 033	94 287	111 453
from own production	7 879	7 257	7 753
Ownership of enterprises			
national enterprises	62 916	56 558	67 685
foreign affiliates	45 117	37 728	43 768
Size class of enterprises			
Small (0-49 employees)	51 607	48 401	62 624
Medium (50-249 employees)	49 970	40 694	44 749
Large (250+ employees)	6 456	5 192	4 080

Figure E35 Sales in ICT trade industries

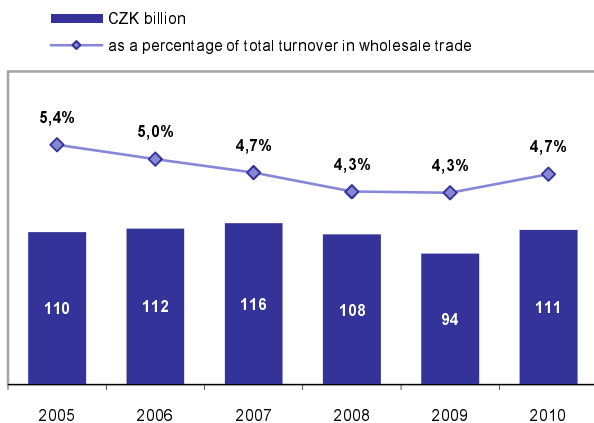
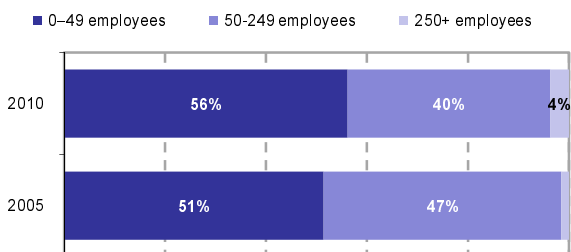


Figure E36 Composition of sales in ICT trade industries by size class of enterprises



Source: CZSO, Structural Business Survey