

## 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 (ICT) and a provision of related services. For more details see: „**OECD Guide to Measuring the Information Society 2011**: [www.oecd.org/sti/measuring-infoeconomy/guide](http://www.oecd.org/sti/measuring-infoeconomy/guide)“

ICT sector together with Content and media sector was already in 2007 recognized by the **United Nation Statistics Division** as a new alternative grouping of economic activities called information economy. The **information economy** sector is 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](http://unstats.un.org/unsd/cr/registry/docs/i4_information_economy.pdf)

ICT sector is divided into the **four main categories**: ICT manufacturing industries, ICT trade industries, Telecommunications and IT services. The ICT sector involves enterprises, which dominating activities belong to the **CZ-NACE groups and classes** 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 (ICT wholesale):**

- Wholesale of information and communication equipment (46.5)

### **Telecommunications:**

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

### **IT services industries:**

- 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, except for R&D expenditures (source: **R&D annual survey – see chapter C**), were obtained from the annual structural survey of business entities from selected production industries (**SBS – Structural Business Statistics**). For more information about Czech SBS see: <https://www.czso.cz/csu/czso/annual-structural-business-statistics-methodology>

Data prior to the year 2005 are estimates based on the **Annual National Accounts Statistics**. More information about this data source is available at: [http://apl.czso.cz/pll/rocenka/rocenka.indexnu\\_en](http://apl.czso.cz/pll/rocenka/rocenka.indexnu_en)

**All 2015 data are preliminary.**

The **Eurostat Structural Business Statistics Database** was used as a data source for the international comparison (except for R&D expenditure). More information about the data from the SBS, including definitions of individual indicators, is available at:

<http://ec.europa.eu/eurostat/web/structural-business-statistics/overview>

**Further information on ICT sector can be found at (only in Czech):**

<https://www.czso.cz/csu/czso/annual-structural-business-statistics-methodology>

## E ICT sector

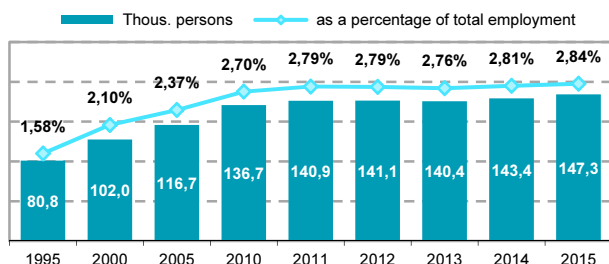
**Table E1 Employment in ICT sector in the Czech Republic**

number of persons employed - headcount persons

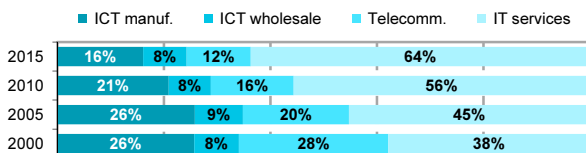
	2013	2014	2015*
<b>Total</b>	<b>140 418</b>	<b>143 425</b>	<b>147 333</b>
<b>ICT manufacturing, total</b>	<b>24 462</b>	<b>23 346</b>	<b>23 740</b>
Manuf. of computers & electron. component	14 463	13 905	13 890
Manufacturing of communication equipment and consumer electronics	9 999	9 440	9 849
<b>ICT services, total</b>	<b>115 957</b>	<b>120 080</b>	<b>123 593</b>
ICT wholesale	11 821	12 356	12 055
Telecommunications	18 191	18 189	17 689
IT services - Programm., consultancy & related IT activ. incl. data processing	85 945	89 535	93 848

\* Preliminary data

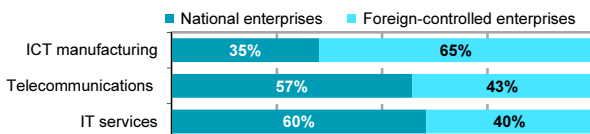
**Figure E1 Employment in ICT sector industries**



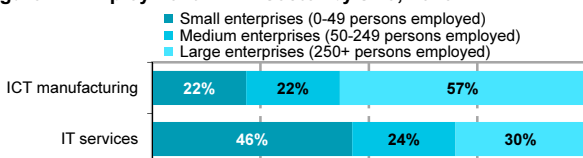
**Figure E2 Employment in ICT sector by industry**



**Figure E3 Employment in ICT sector by ownerships; 2015**



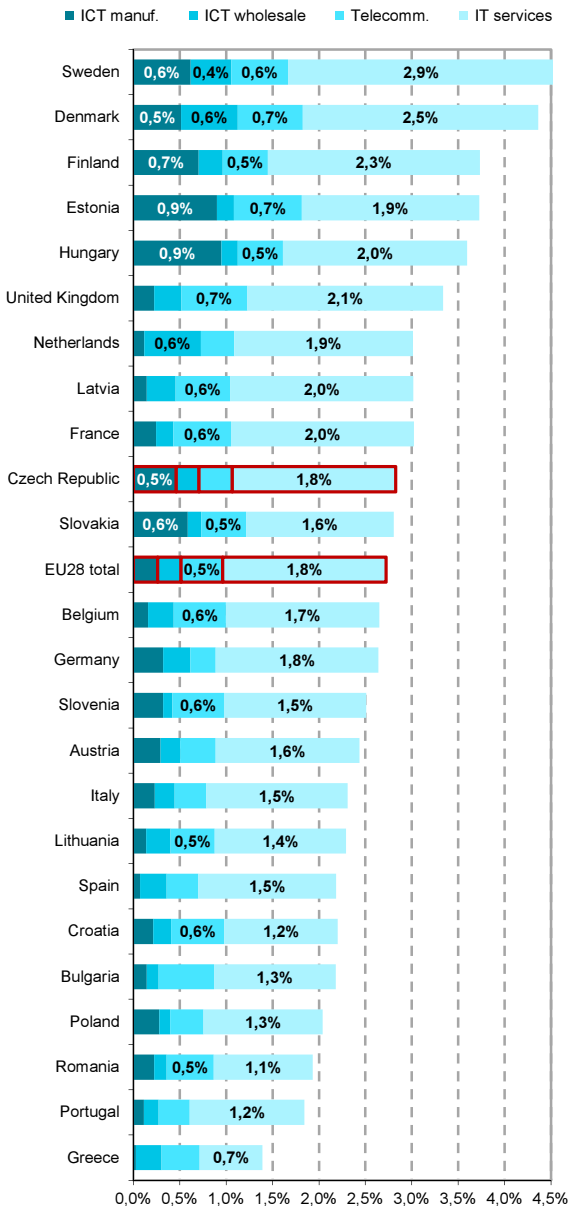
**Figure E4 Employment in ICT sector by size; 2015**



Source: CZSO, Structural Business Statistics

## E ICT sector

**Figure E5 Employment in ICT sector industries; 2014\***  
(as a percentage of total employment)



\* or the latest year available

Source: Eurostat, Structural Business Statistics

## E ICT sector

Figure E6 Employment in ICT manufacturing

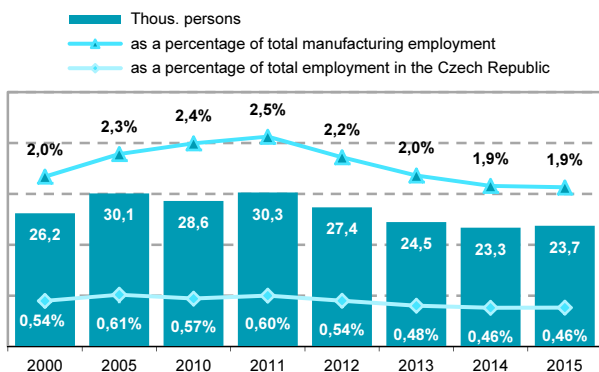


Figure E7 Employment in Telecommunications

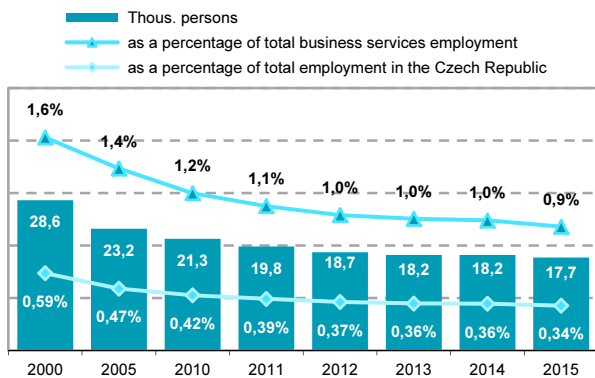
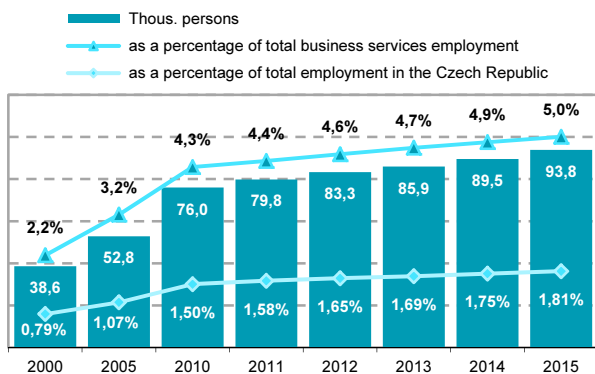


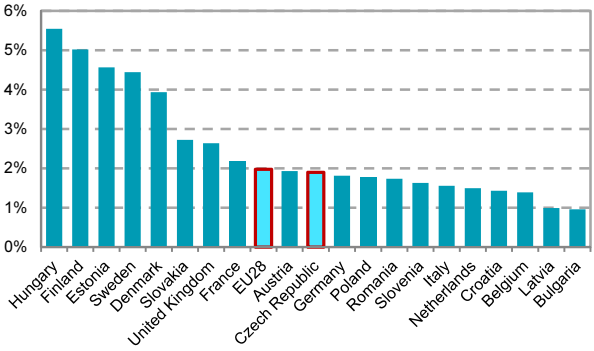
Figure E8 Employment in IT services



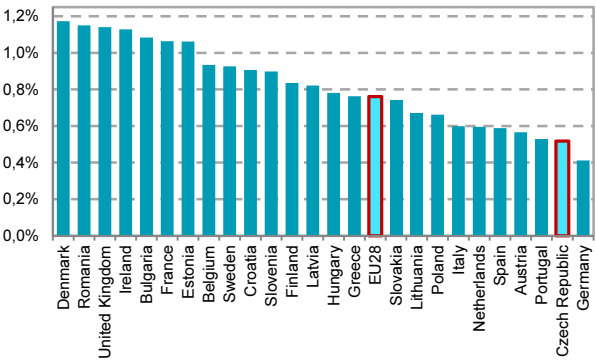
Source: CZSO, Structural Business Statistics

## E ICT sector

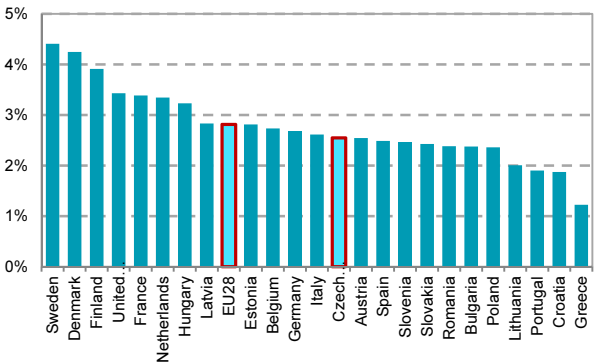
**Figure E9 Employment in ICT manufacturing industries; 2014\***  
(as a percentage of total manufacturing employment)



**Figure E10 Employment in Telecommunications; 2014\***  
(as a percentage of total business enterprise sector employment)



**Figure E11 Employment in IT services industries; 2014\***  
(as a percentage of total business enterprise sector employment)



\* or the latest year available

Source: Eurostat, Structural Business Statistics

## E ICT sector

Table E2 Production value in ICT sector in the Czech Republic

CZK million

	2013	2014	2015*
<b>Total</b>	<b>478 507</b>	<b>513 330</b>	<b>554 650</b>
<b>ICT manufacturing, total</b>	<b>186 048</b>	<b>211 726</b>	<b>220 750</b>
Manuf. of computers & electron. components	132 441	156 516	168 115
Manufacturing of communication equipment and consumer electronics	53 607	55 210	52 635
<b>ICT services, total</b>	<b>292 459</b>	<b>301 603</b>	<b>333 900</b>
ICT wholesale	22 728	22 547	23 557
Telecommunications	100 941	100 678	112 764
IT services - Programm., consultancy & related IT activ. incl. data processing	168 790	178 378	197 579

\* Preliminary data

Figure E12 Production value in ICT sector industries

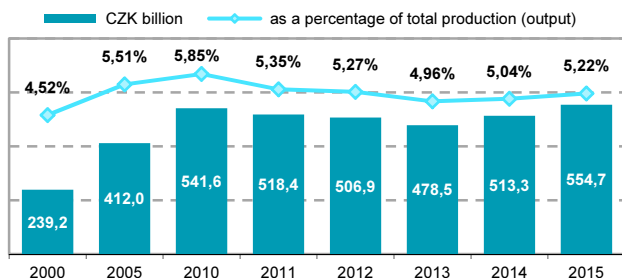


Figure E13 Production value in ICT sector by industry

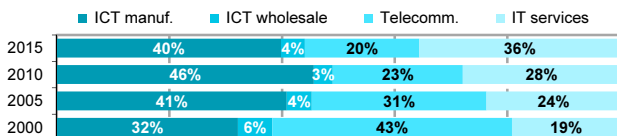


Figure E14 Production value in ICT sector by ownerships; 2015

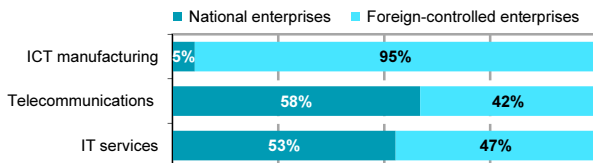
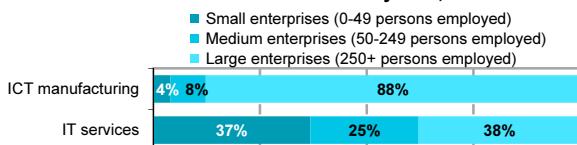


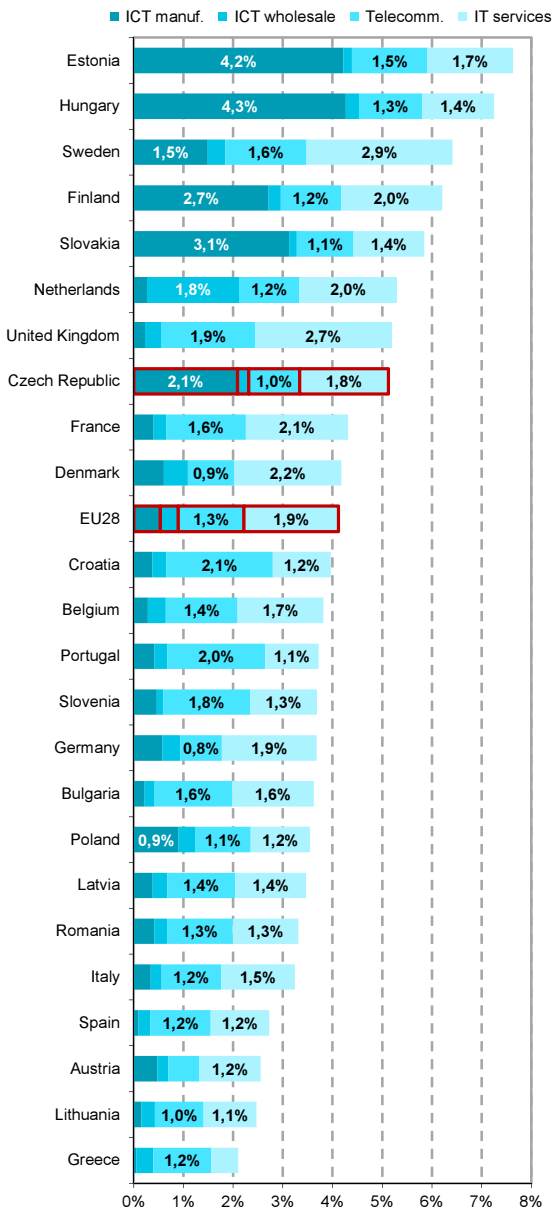
Figure E15 Production value in ICT sector by size; 2015



Source: CZSO, Structural Business Statistics

## E ICT sector

Figure E16 Production value in ICT sector industries; 2014\* (as a percentage of total production/output)



\* or the latest year available

Source: Eurostat, Structural Business Statistics

## E ICT sector

Figure E17 Production value in ICT manufacturing industries

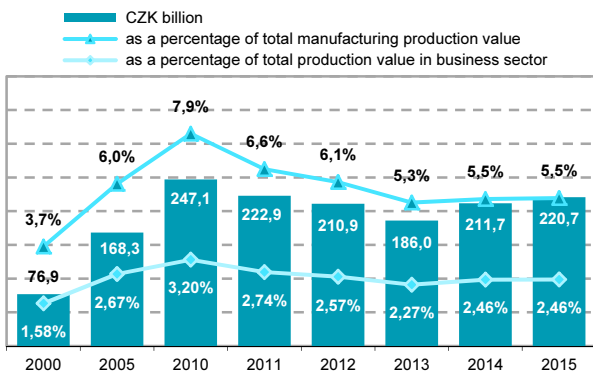


Figure E18 Production value in Telecommunications

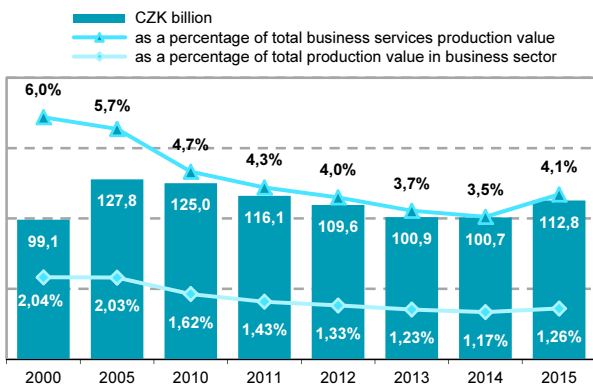
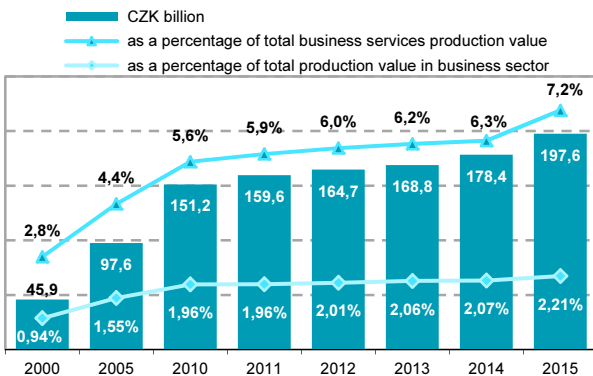


Figure E19 Production value in IT services industries

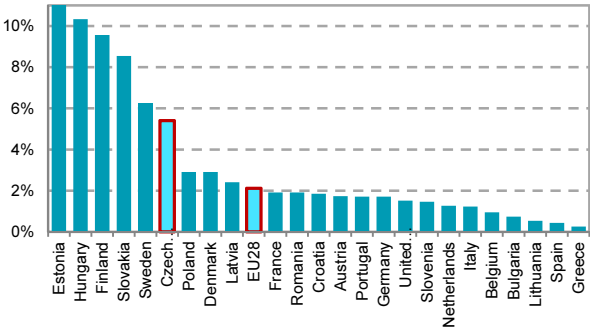


Source: CZSO, Structural Business Statistics

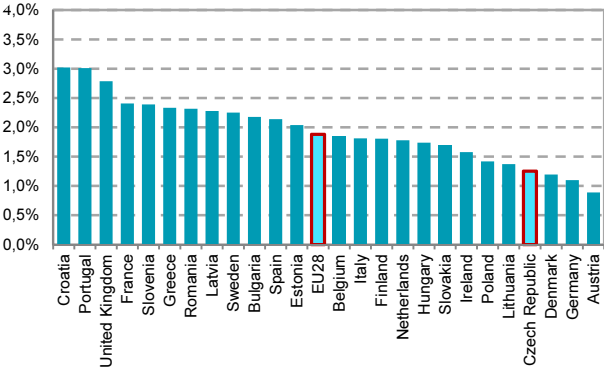


## E ICT sector

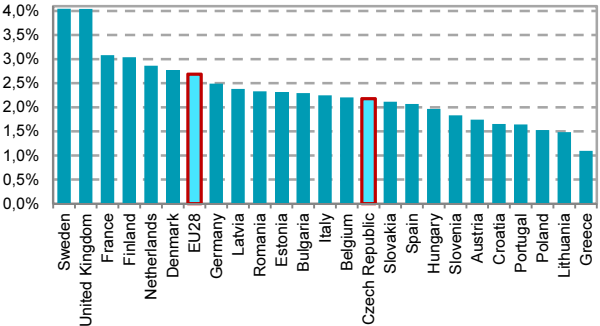
**Figure E20 Production value in ICT manufacturing; 2014\***  
(as a percentage of total manufacturing production value)



**Figure E21 Production value in Telecomm.; 2014\***  
(as a percentage of total production value in business sector)



**Figure E22 Production value in IT services; 2014\***  
(as a percentage of total production value in business sector)



\* or the latest year available

## E ICT sector

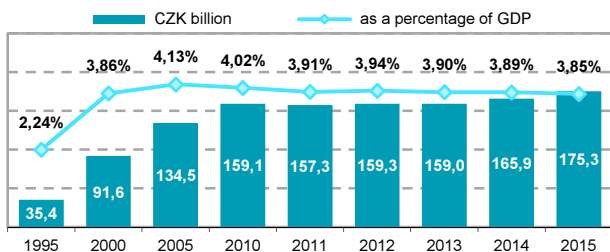
**Table E3 Value added of ICT sector in the Czech Republic**

CZK million

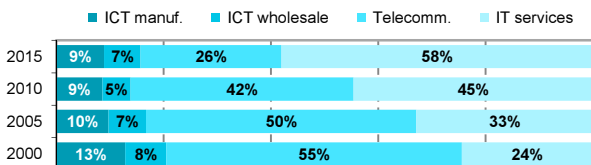
	2013	2014	2015*
<b>Total</b>	<b>159 007</b>	<b>165 899</b>	<b>175 310</b>
<b>ICT manufacturing, total</b>	<b>15 949</b>	<b>17 046</b>	<b>15 661</b>
Manuf. of computers & electron. components	7 953	8 728	9 149
Manufacturing of communication equipment and consumer electronics	7 996	8 318	6 512
<b>ICT services, total</b>	<b>143 058</b>	<b>148 854</b>	<b>159 649</b>
ICT wholesale	10 381	11 105	11 946
Telecommunications	49 077	46 543	45 996
IT services - Programm., consultancy & related IT activ. incl. data processing	83 600	91 206	101 708

\* Preliminary data

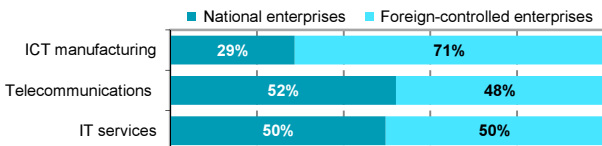
**Figure E23 Value added of ICT sector industries**



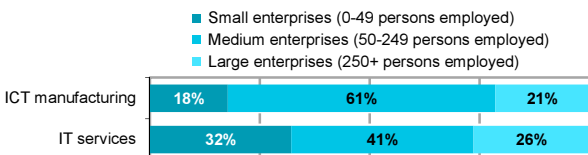
**Figure E24 Value added of ICT sector by industry**



**Figure E25 Value added of ICT sector by ownerships; 2015**



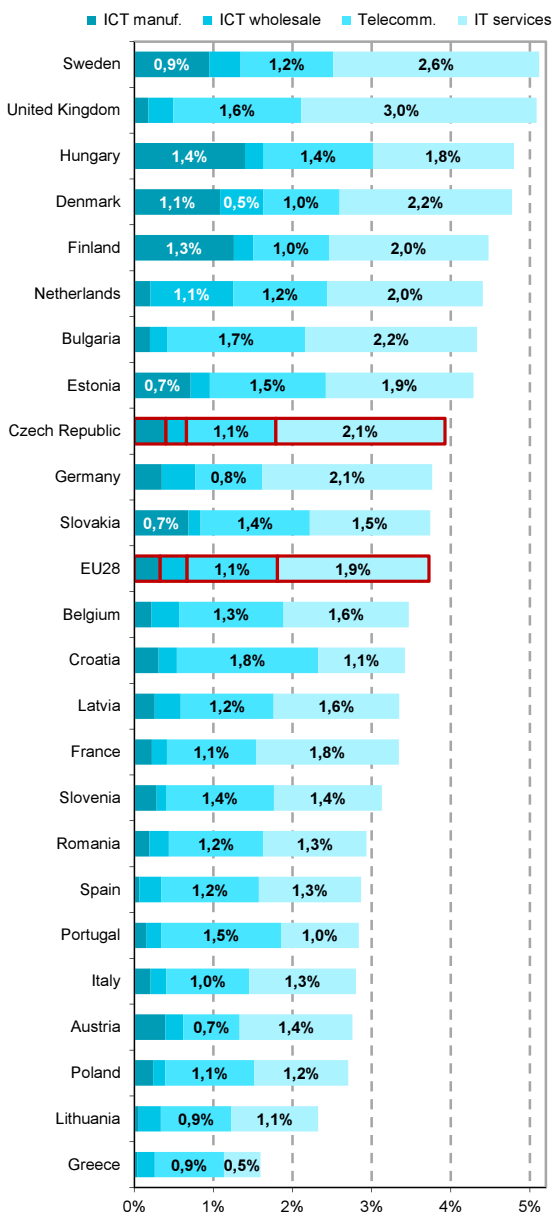
**Figure E26 Value added in ICT sector by size; 2015**



Source: CZSO, Structural Business Statistics

## E ICT sector

**Figure E27 Value added of ICT sector industries; 2014\*  
(as a percentage of GDP)**



\* or the latest year available

Source: Eurostat, Structural Business Statistics

## E ICT sector

Figure E28 Value added of ICT manufacturing industries

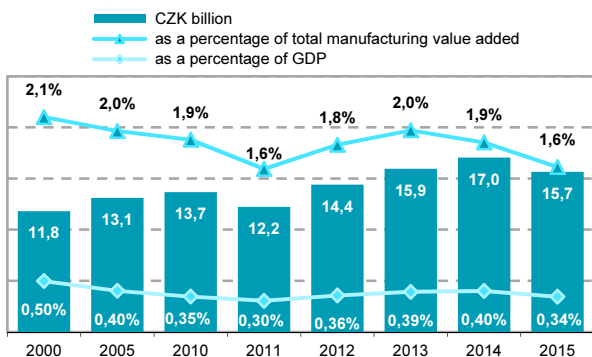


Figure E29 Value added of Telecommunications

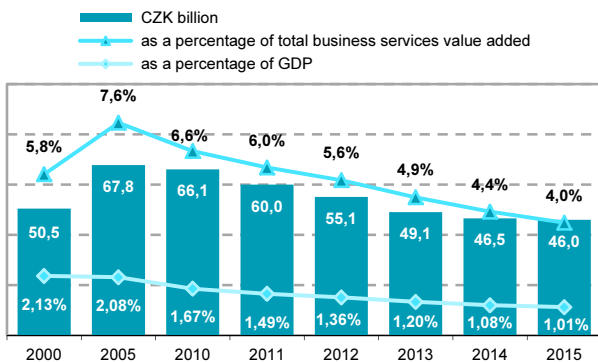
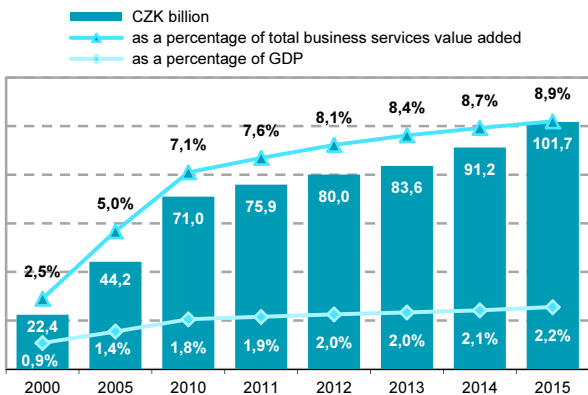


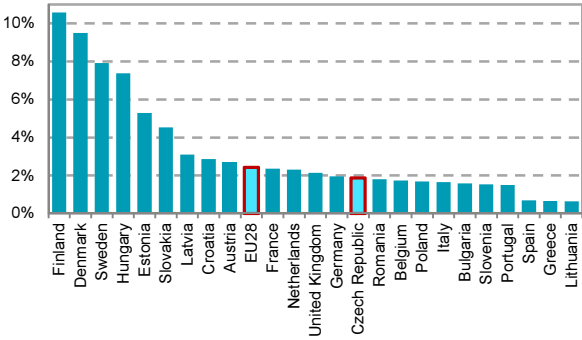
Figure E30 Value added of IT services industries



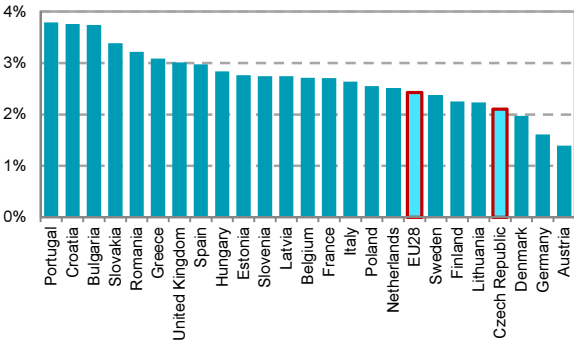
Source: CZSO, Structural Business Statistics

## E ICT sector

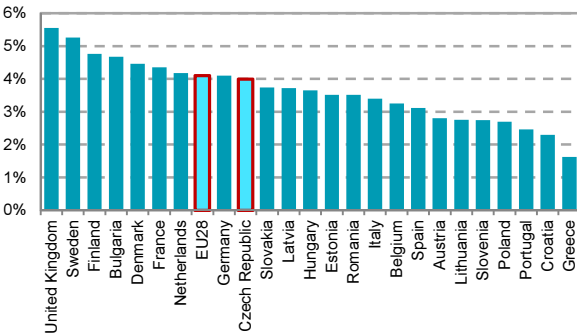
**Figure E31 Value added of ICT manuf. industries; 2014\***  
(as a percentage of total manufacturing value added)



**Figure E32 Value added of Telecommunications; 2014\***  
(as a percentage of total value added in business sector)



**Figure E33 Value added of IT services industries; 2014\***  
(as a percentage of total value added in business sector)



\* or the latest year available

Source: Eurostat, Structural Business Statistics

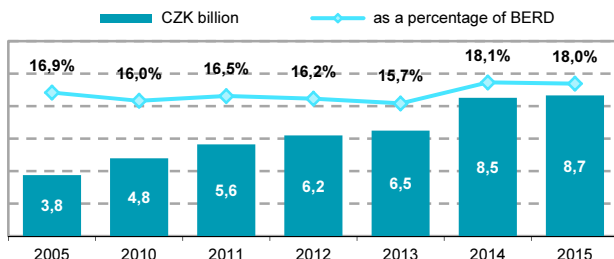
## E ICT sector

Table E4 R&D expenditure in ICT sector in the Czech Republic

CZK million

	2013	2014	2015
<b>Total</b>	<b>6 499</b>	<b>8 515</b>	<b>8 659</b>
<b>ICT manufacturing, total</b>	<b>479</b>	<b>625</b>	<b>500</b>
Manuf. of computers & electron. components	116	208	161
Manufacturing of communication equipment and consumer electronics	363	417	338
<b>ICT services, total</b>	<b>6 019</b>	<b>7 889</b>	<b>8 159</b>
ICT wholesale	121	140	134
Telecommunications	592	603	630
IT services - Programm., consultancy & related IT activ. incl. data processing	5 306	7 147	7 395

Figure E34 R&D expenditure in ICT sector industries



BERD - Total intramural R&D expenditure in the business enterprise sector

Figure E35 R&D expenditure in ICT sector by industry

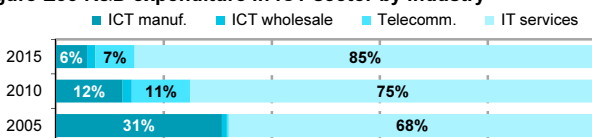


Figure E36 R&D expenditure in ICT sector by ownerships; 2015

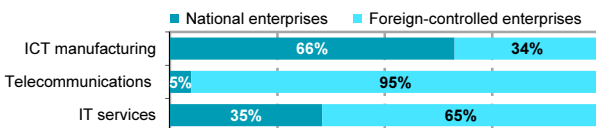
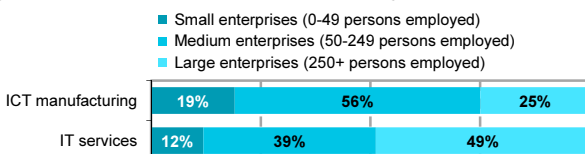


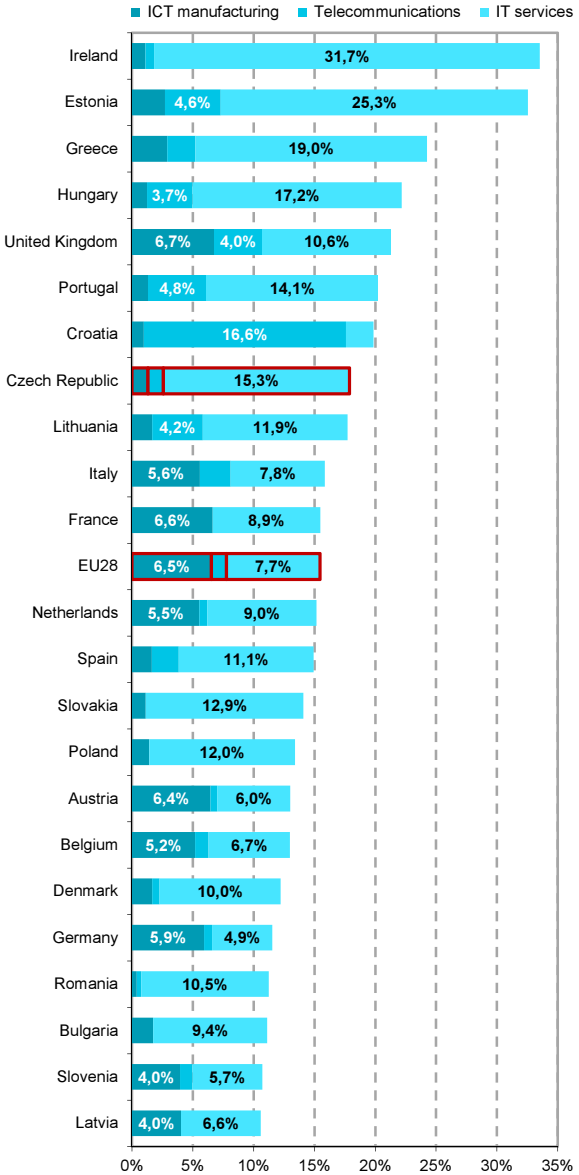
Figure E37 R&D expenditure in ICT sector by size; 2015



Source: CZSO, Annual R&D survey

## E ICT sector

Figure E38 R&D expenditure in ICT sector industries; 2014\* (as a percentage of BERD)



BERD - Total intramural R&D expenditure in the business enterprise sector  
\* or the latest year available

Source: Eurostat, Science, Technology and Innovation Database

## E ICT sector

Figure E39 R&D expenditure in ICT manufacturing

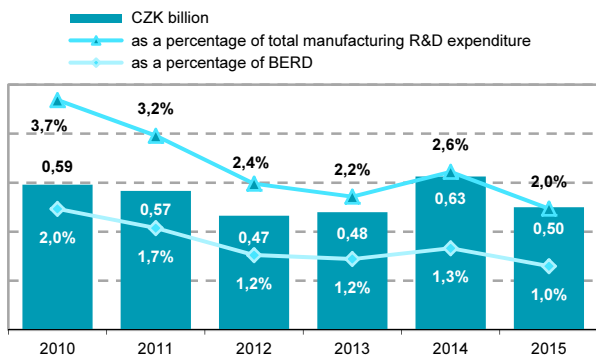


Figure E40 R&D expenditure in Telecommunications

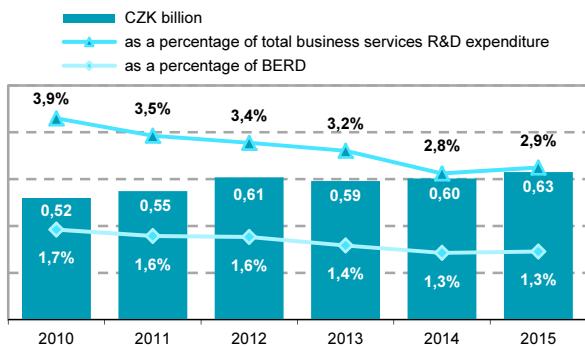
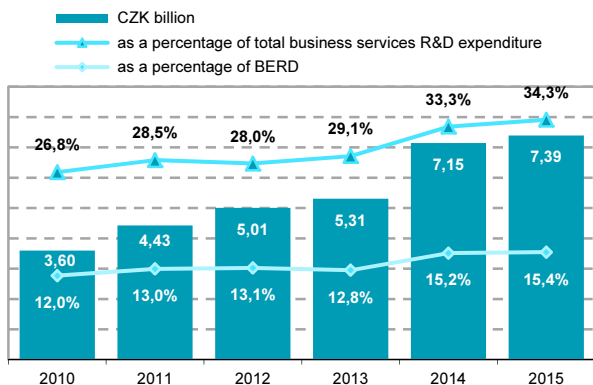


Figure E41 R&D expenditure in IT services industries



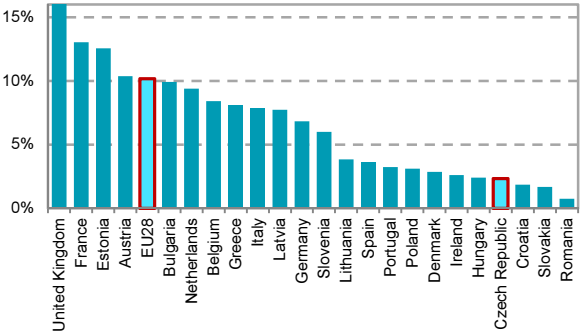
BERD - Total intramural R&D expenditure in the business enterprise sector

Source: CZSO, Annual R&D survey

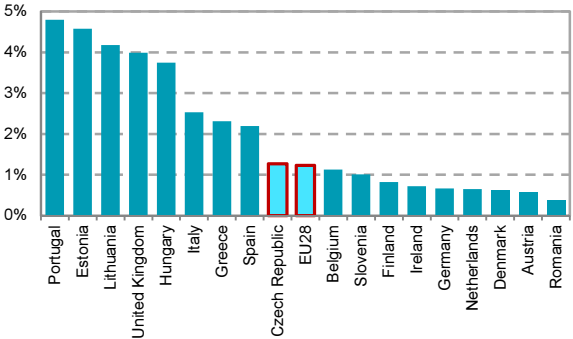


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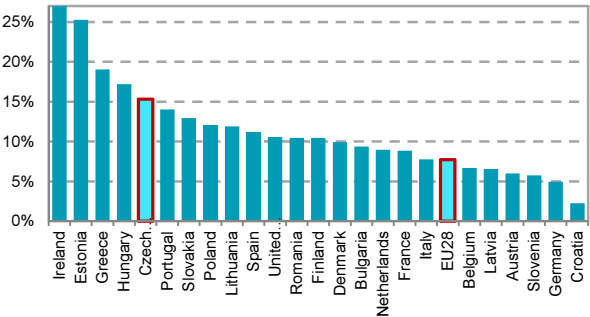
**Figure E42 R&D expenditure in ICT manufacturing; 2014\***  
(as a percentage of total manufacturing R&D expenditure)



**Figure E43 R&D expenditure in Telecomm.; 2014\***  
(as a percentage of BERD)



**Figure E44 R&D expenditure in IT Services; 2014\***  
(as a percentage of BERD)



BERD - Total intramural R&D expenditure in the business enterprise sector  
\* or the latest year available