

## D ICT external trade

ICT external trade **contains** external trade in both ICT goods and ICT services. **ICT products** are defined as goods or services which must be primarily intended to fulfill or enable the function of information processing and communication by electronic means, including transmission and display (OECD 2008).

The **new list of ICT goods** used for the external trade statistics is based on the *Harmonized System (HS2007)*, an international classification standard used for trade statistics, and worked carried by the WPIIS expert group in 2010. List of ICT goods defined at 6-digit level of HS2007 (95 items) was further grouped into the five main categories as follows:

- Computers and peripheral equipment;
- Communication equipment;
- Consumer electronics;
- Electronic components; and
- Miscellaneous ICT components and parts.

The **External Trade Statistics Database** of the Czech Statistical Office (CZSO) was used as a data source for national data. **2011 data are preliminary**. For more information see:

<http://apl.czso.cz/pll/stazo/STAZO.STAZO?jazyk=EN>

*The detail data on external trade in ICT goods at the level of sub-categories are published here only since the reference year 2007. This is due to substantial changes of respective items of the main ICT goods categories in the 2007 version of the Harmonized System.*

The **UN Comtrade database** was used as a data source for the international comparison: <http://comtrade.un.org/db/>

*Data on trade in ICT goods for main ICT categories published by the Czech Statistical Office differ slightly from the data published by OECD or UNCTAD as different classification of some ICT items was used.*

**Further information on ICT goods trade statistics can be found at:**

[http://www.czso.cz/eng/redakce.nsf/i/external\\_trade\\_in\\_ict\\_goods](http://www.czso.cz/eng/redakce.nsf/i/external_trade_in_ict_goods)

Data on trade in **ICT services** are currently limited compared to data on trade in ICT goods. The current services classification is based on the Extended Balance of Payments Services Classification (EBOPS). The ICT services are subdivided into two fundamental categories as follows:

- Telecommunication services (code 247); and
- Computer services (code 263).

Since 2005 data about trade in ICT services in the Czech Republic comes from the **survey on exports and imports of services** carry out by the CZSO. Until 2004 data were based on the current account of the balance of payments (BOP) provided by the **Czech National Bank (CNB)**. The individual BOP items are defined in compliance with individual receipt and payment items and correspond with international codes of BPM5. For more information see: [http://www.cnb.cz/en/statistics/bop\\_stat/](http://www.cnb.cz/en/statistics/bop_stat/)

The **Eurostat Balance of Payments Database** was used as a data source for the international comparison. For more information see:

[http://epp.eurostat.ec.europa.eu/portal/page/portal/balance\\_of\\_payments/data/database](http://epp.eurostat.ec.europa.eu/portal/page/portal/balance_of_payments/data/database)

**Further information on ICT services trade statistics can be found at:**

[http://www.czso.cz/csu/redakce.nsf/i/zahranicni\\_obchod\\_s\\_ict\\_sluzbami](http://www.czso.cz/csu/redakce.nsf/i/zahranicni_obchod_s_ict_sluzbami).

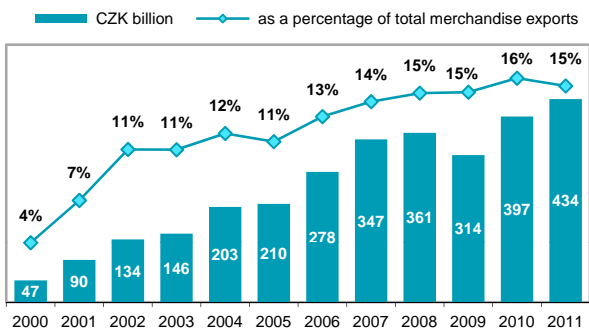
## D ICT external trade

**Table D1 ICT goods exports from the Czech Republic**

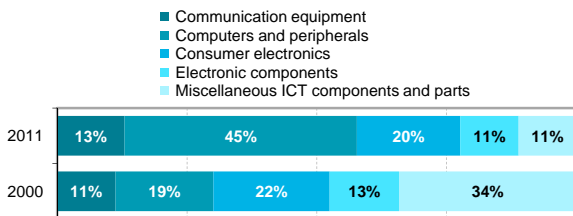
CZK million

	2009	2010	2011
<b>Total</b>	<b>314 002</b>	<b>396 508</b>	<b>433 635</b>
Communication equipment	27 953	35 220	56 129
Computers and peripherals	142 412	186 551	194 127
Consumer electronics	76 171	89 274	86 282
Electronic components	32 812	44 080	48 812
Miscellaneous ICT components and parts	34 655	41 383	48 286

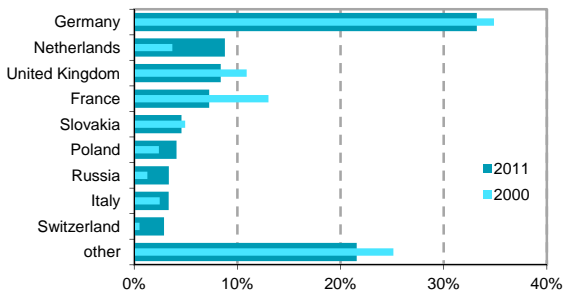
**Figure D1 ICT goods exports**



**Figure D2 ICT goods exports by commodities**



**Figure D3 ICT goods exports by countries**



Source: CZSO, External Trade Statistics Database

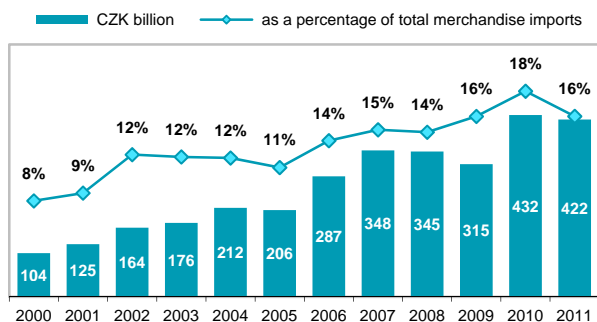
## D ICT external trade

**Table D2 ICT goods imports to the Czech Republic**

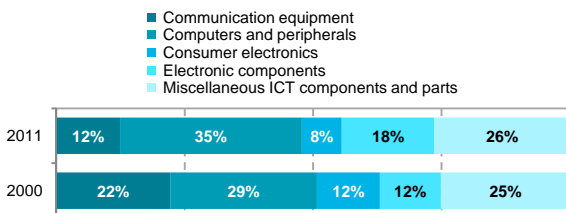
CZK million

	2009	2010	2011
Total	315 247	432 179	421 575
Communication equipment	24 276	34 751	52 250
Computers and peripherals	91 653	123 278	149 272
Consumer electronics	29 644	30 825	32 778
Electronic components	73 223	114 187	76 201
Miscellaneous ICT components and parts	96 451	129 137	111 074

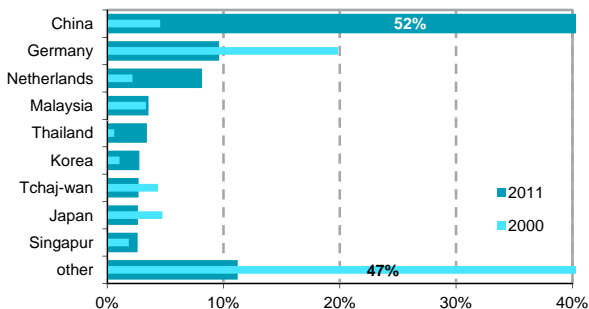
**Figure D4 ICT goods imports**



**Figure D5 ICT goods imports by commodities**



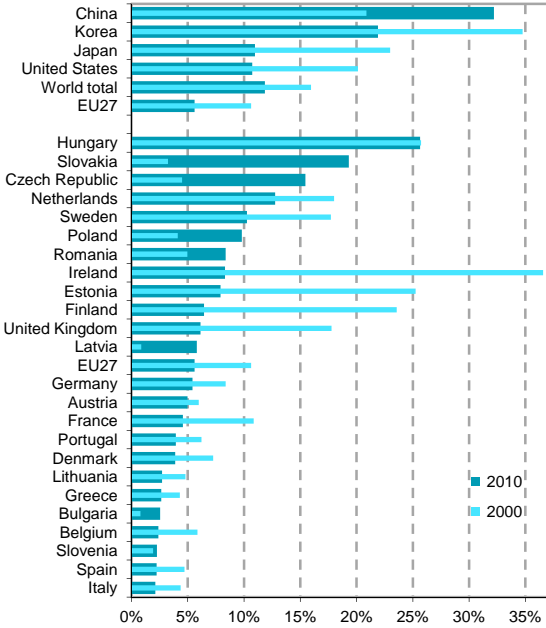
**Figure D6 ICT goods imports by countries**



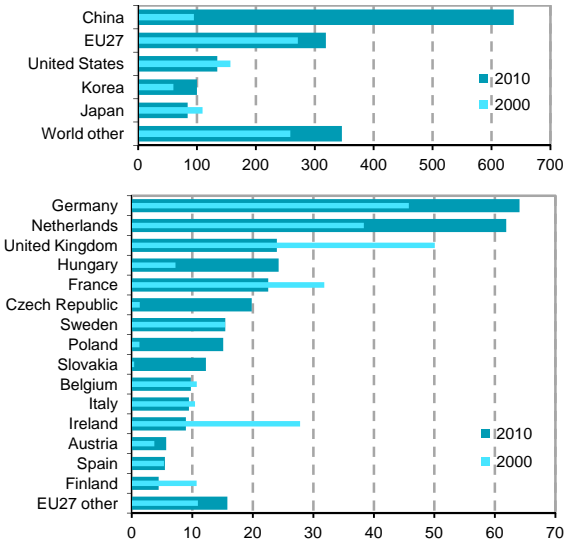
Source: CZSO, External Trade Statistics Database

## D ICT external trade

**Figure D7 ICT goods exports  
(as percentage of total merchandise exports)**



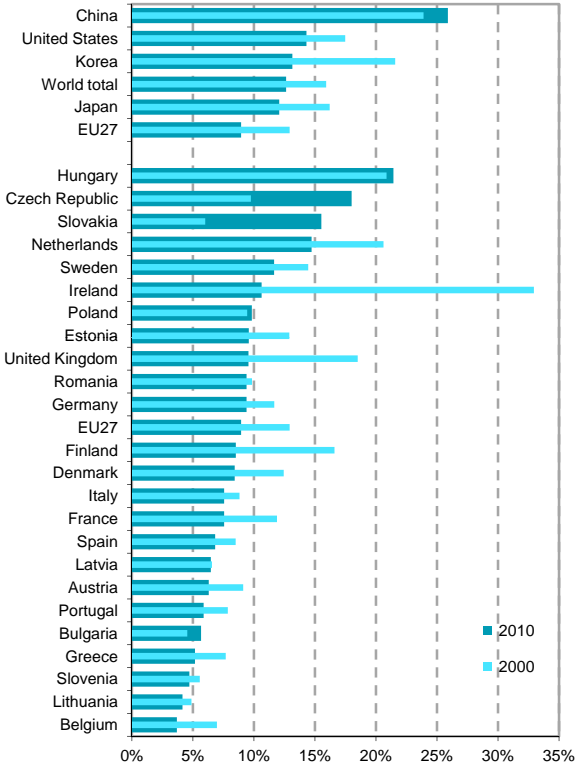
**Figure D8 ICT goods exports (US\$ billion)**



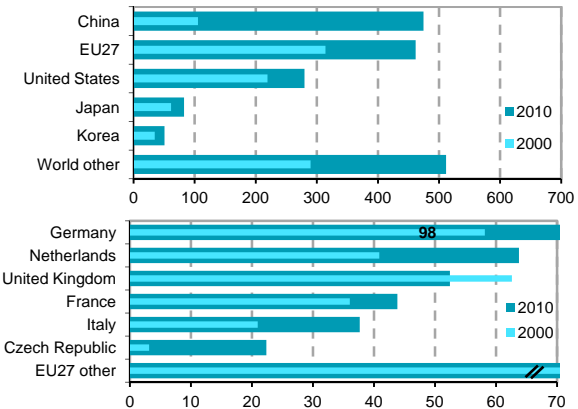
Source: UN, Comtrade database and CZSO calculations

## D ICT external trade

**Figure D9 ICT goods imports  
(as percentage of total merchandise imports)**



**Figure D10 ICT goods imports (US\$ billion)**



Source: UN, Comtrade database and CZSO calculations

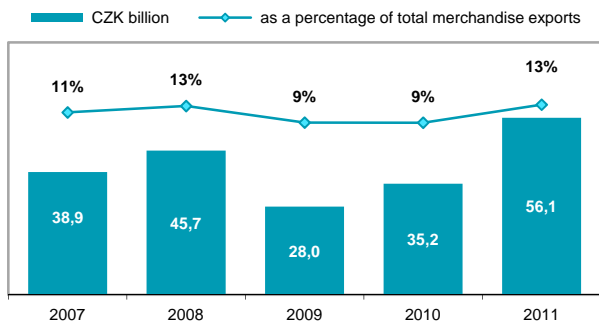
## D ICT external trade

**Table D3 Communication equipment exports from the CR**

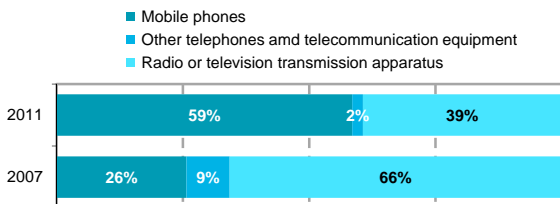
CZK million

	2009	2010	2011
<b>Total</b>	<b>27 953</b>	<b>35 220</b>	<b>56 129</b>
Mobile phones	12 690	18 058	32 850
Other telecommunication equipment	1 951	1 221	1 184
Radio or television transmission apparatus	13 312	15 941	22 095

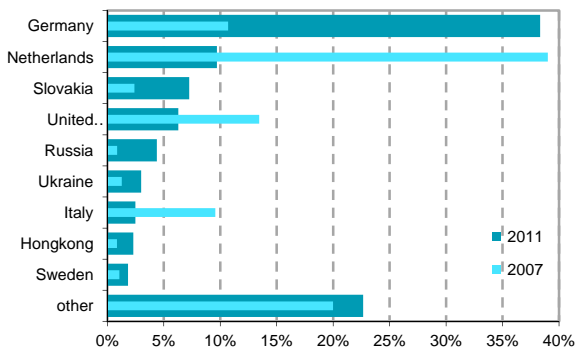
**Figure D11 Communication equipment exports**



**Figure D12 Communication equipment exp. by commodities**



**Figure D13 Communication equipment exports by countries**



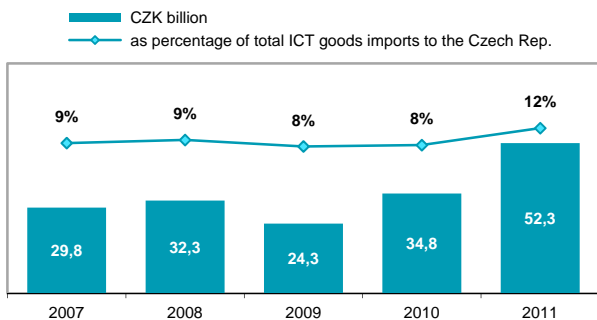
Source: CZSO, External Trade Statistics Database

## D ICT external trade

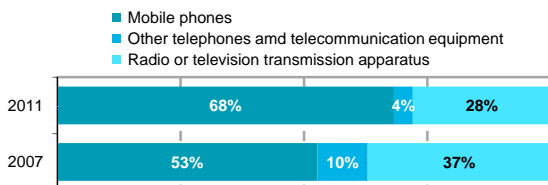
**Table D4 Communication equipment imports to the CR**

	CZK million		
	2009	2010	2011
<b>Total</b>	<b>24 276</b>	<b>34 751</b>	<b>52 250</b>
Mobile phones	14 345	20 849	35 639
Other telecommunication equipment	2 249	2 424	2 002
Radio or television transmission apparatus	7 682	11 478	14 609

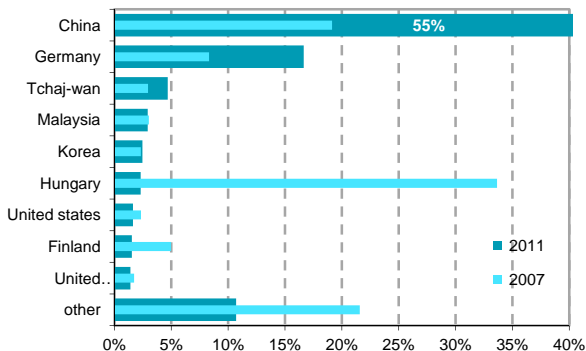
**Figure D14 Communication equipment imports**



**Figure D15 Communication equipment imp. by commodities**



**Figure D16 Communication equipment imports by countries**



Source: CZSO, External Trade Statistics Database

## D ICT external trade

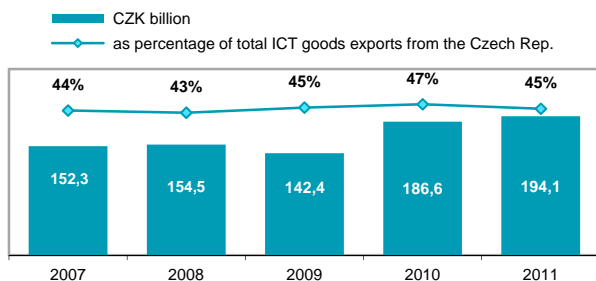
**Table D5 Computers and peripherals exports from the CR**

CZK million

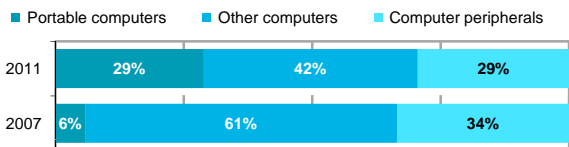
	2009	2010	2011
<b>Total</b>	<b>142 412</b>	<b>186 551</b>	<b>194 127</b>
Portable computers and tablets	14 684	42 260	55 688
Other computers	73 260	89 346	81 053
Computer peripherals, total	54 285	54 691	57 112
Storage units	21 948	33 946	33 233
Sound, video and similar PCs cards	14 031	5 891	7 759
Monitors and projectors	5 409	4 526	4 843
Printers and copiers used with PCs	5 462	5 579	5 267
Input or output peripherals. n.e.s*.	7 435	10 641	13 769

\* Keyboards; joysticks, computer mice, scanners, optical readers, etc.

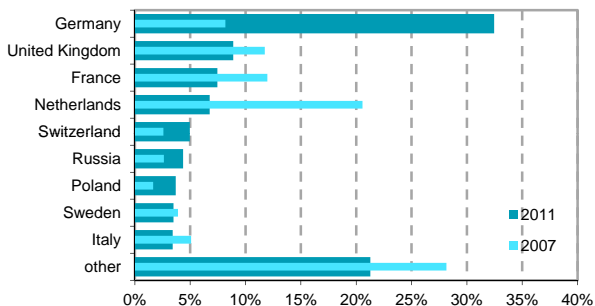
**Figure D17 Computers and peripherals exports**



**Figure D18 Computers and peripherals exports by commodities**



**Figure D19 Computers and peripherals exports by countries**



Source: CZSO, External Trade Statistics Database



## D ICT external trade

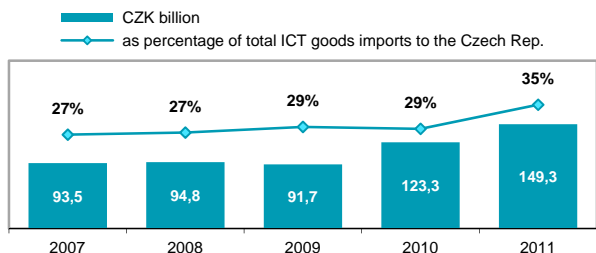
**Table D6 Computers and peripherals imports to the CR**

CZK million

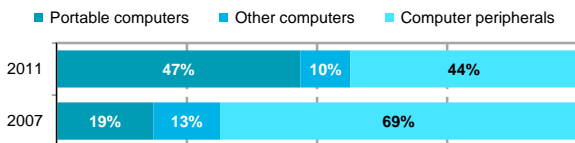
	2009	2010	2011
<b>Total</b>	<b>91 653</b>	<b>123 278</b>	<b>149 272</b>
Portable computers and tablets	22 054	44 876	69 882
Other computers	10 254	14 334	14 319
Computer peripherals, total	59 345	64 068	65 072
Storage units	27 801	40 453	34 777
Sound, video and similar PCs cards	10 471	7 007	9 216
Monitors and projectors	3 289	4 525	9 209
Printers and copiers used with PCs	6 223	7 004	7 204
Input or output peripherals. n.e.s*.	11 561	12 086	13 881

\* Keyboards; joysticks, computer mice, scanners, optical readers, etc.

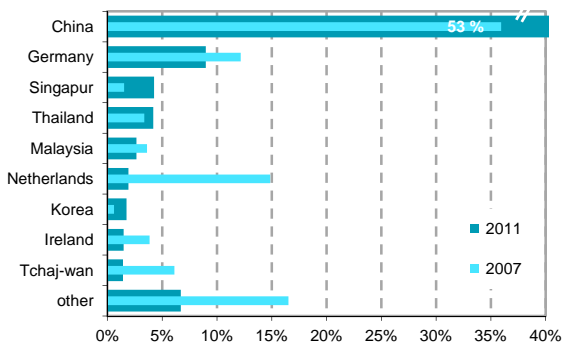
**Figure D20 Computers and peripherals imports**



**Figure D21 Computers and peripherals imports by commodities**



**Figure D22 Computers and peripherals imports by countries**



Source: CZSO, External Trade Statistics Database

## D ICT external trade

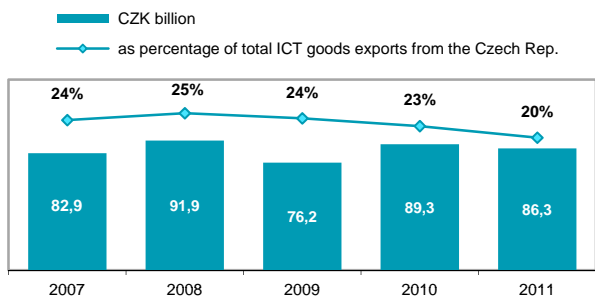
**Table D7 Consumer electronics exports from the CR**

CZK million

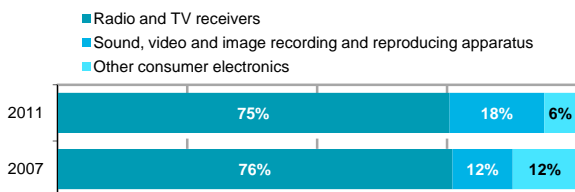
	2009	2010	2011
<b>Total</b>	<b>76 171</b>	<b>89 274</b>	<b>86 282</b>
Radio and TV receivers	54 972	66 807	65 132
Sound, video and image recording and reproducing apparatus	13 764	15 714	15 742
Other consumer electronics*	7 435	6 753	5 408

\* Monitors and projectors; Microphones and stands therefor; Loudspeakers; Headphones; Electric sound amplifier sets

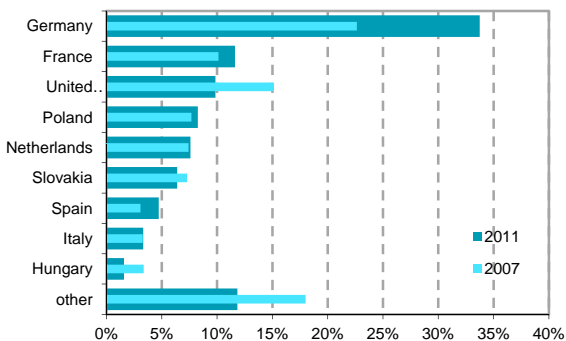
**Figure D23 Consumer electronics exports**



**Figure D24 Consumer electronics exports by commodities**



**Figure D25 Consumer electronics exports by countries**



Source: CZSO, External Trade Statistics Database

## D ICT external trade

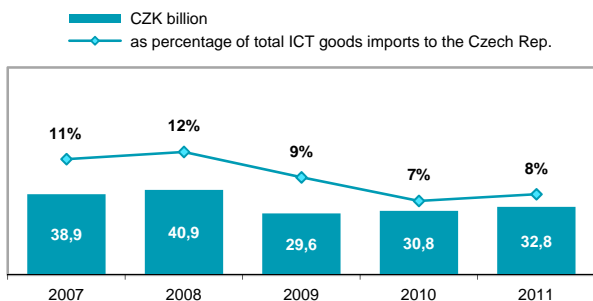
**Table D8 Consumer electronics imports to the Czech Republic**

CZK million

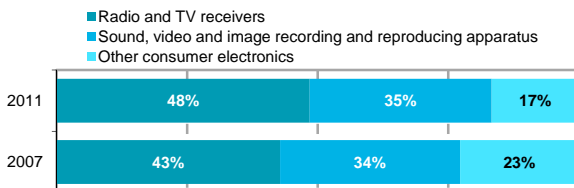
	2009	2010	2011
<b>Total</b>	<b>29 644</b>	<b>30 825</b>	<b>32 778</b>
Radio and TV receivers	13 368	11 746	15 884
Sound, video and image recording and reproducing apparatus	9 822	10 100	11 419
Other consumer electronics*	6 454	8 979	5 475

\* Monitors and projectors; Microphones and stands therefor; Loudspeakers; Headphones; Electric sound amplifier sets

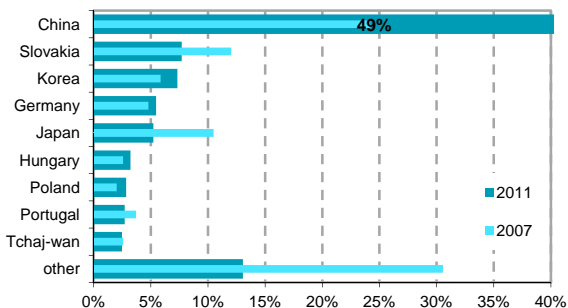
**Figure D26 Consumer electronics imports**



**Figure D27 Consumer electronics imports by commodities**



**Figure D28 Consumer electronics imports by countries**



## D ICT external trade

**Table D9 Electronic components exports from the CR**

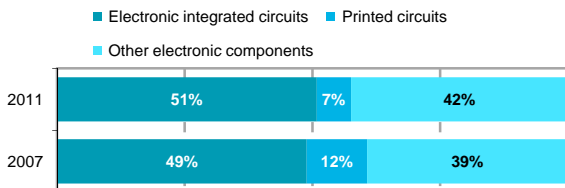
CZK million

	2009	2010	2011
<b>Total</b>	<b>32 812</b>	<b>44 080</b>	<b>48 812</b>
Electronic integrated circuits	15 621	19 473	24 686
<i>thereof processors</i>	12 000	14 915	21 232
Printed circuits	2 639	2 960	3 254
Other electronic components	14 551	21 647	20 608

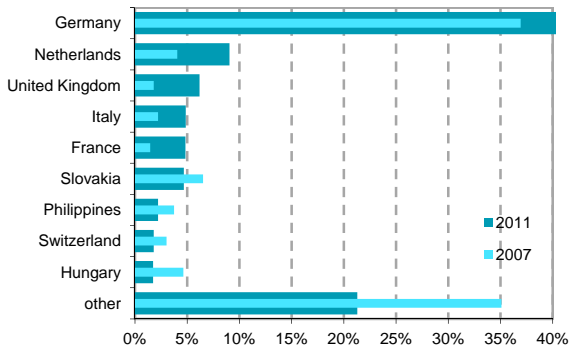
**Figure D29 Electronic components exports**



**Figure D30 Electronic components exports by commodities**



**Figure D31 Electronic components exports by countries**



Source: CZSO, External Trade Statistics Database

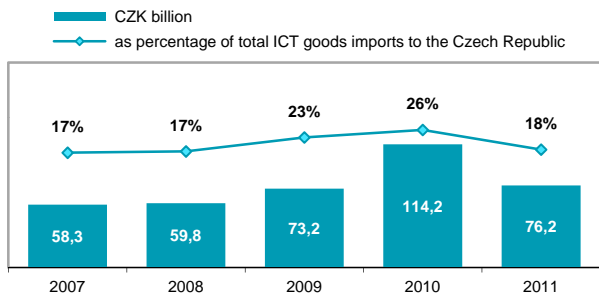
## D ICT external trade

**Table D10 Electronic components imports to the CR**

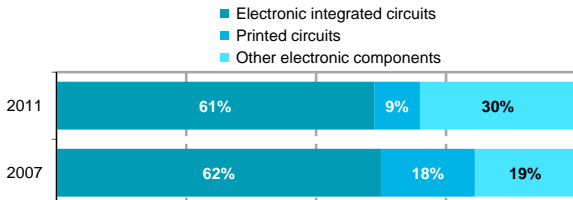
CZK million

	2009	2010	2011
<b>Total</b>	<b>73 223</b>	<b>114 187</b>	<b>76 201</b>
Electronic integrated circuits	35 643	45 127	46 618
<i>thereof processors</i>	28 877	36 286	38 935
Printed circuits	6 549	7 389	6 718
Other electronic components	31 031	61 671	22 866

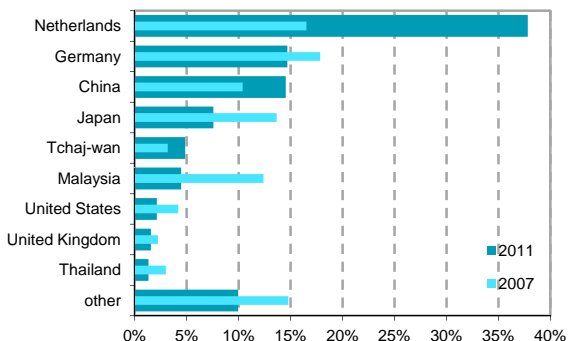
**Figure D32 Electronic components imports**



**Figure D33 Electronic components imports by commodities**



**Figure D34 Electronic components imports by countries**



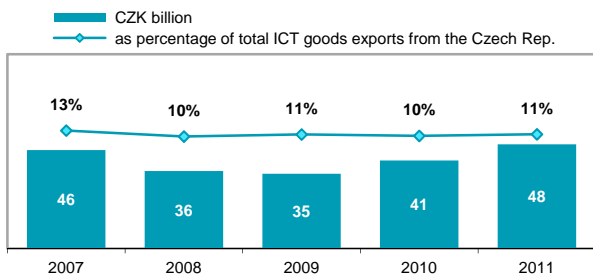
Source: CZSO, External Trade Statistics Database

## D ICT external trade

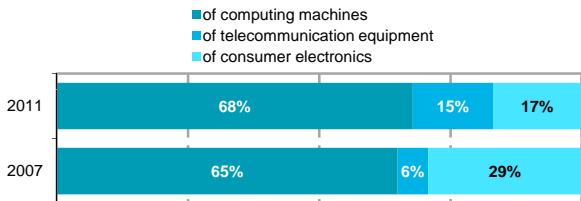
**Table D11 Miscellaneous ICT components and parts exports from the Czech Republic**

	CZK million		
	2009	2010	2011
<b>Total</b>	<b>34 655</b>	<b>41 383</b>	<b>48 286</b>
Parts and accessories of			
- computing machines	17 393	23 902	32 746
- telecommunication equipment	7 206	7 688	7 366
- consumer electronics	10 056	9 794	8 174

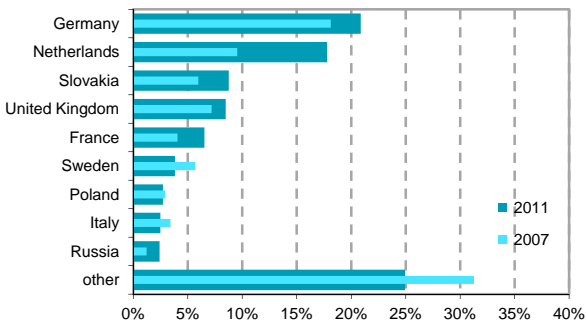
**Figure D35 Miscellaneous ICT components and parts exports**



**Figure D36 Miscellaneous ICT components and parts exports by commodities**



**Figure D37 Miscellaneous ICT components and parts exports by countries**

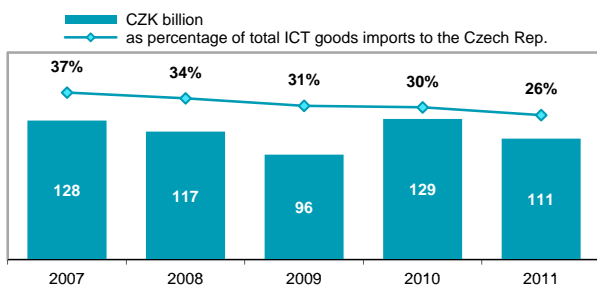


## D ICT external trade

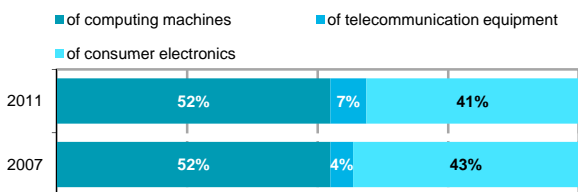
**Table D12 Miscellaneous ICT components and parts imports to the Czech Republic**

	CZK million		
	2009	2010	2011
<b>Total</b>	<b>96 451</b>	<b>129 137</b>	<b>111 074</b>
Parts and accessories of			
- computing machines	48 653	62 513	58 227
- telecommunication equipment	4 632	7 151	7 656
- consumer electronics	43 166	59 473	45 191

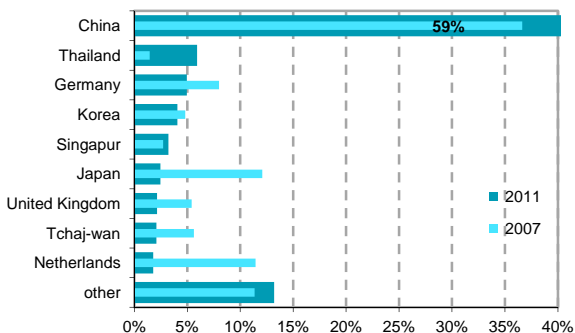
**Figure D38 Miscellaneous ICT components and parts imports**



**Figure D39 Miscellaneous ICT components and parts imports by commodities**

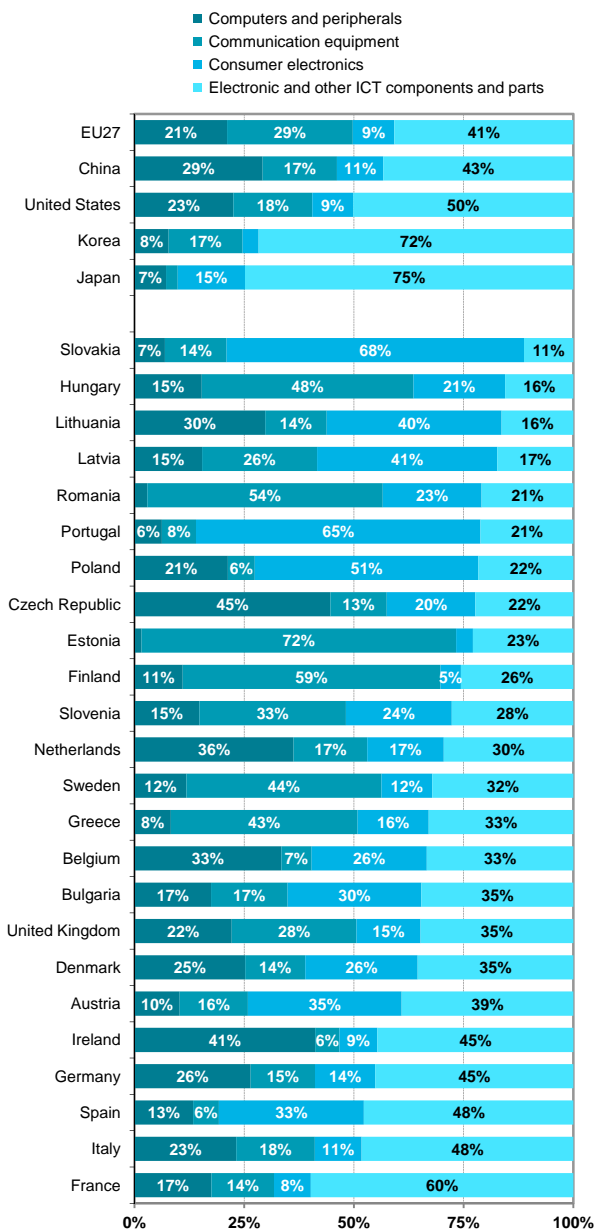


**Figure D40 Miscellaneous ICT components and parts by countries**



## D ICT external trade

Figure D41 ICT goods exports by commodities, 2011

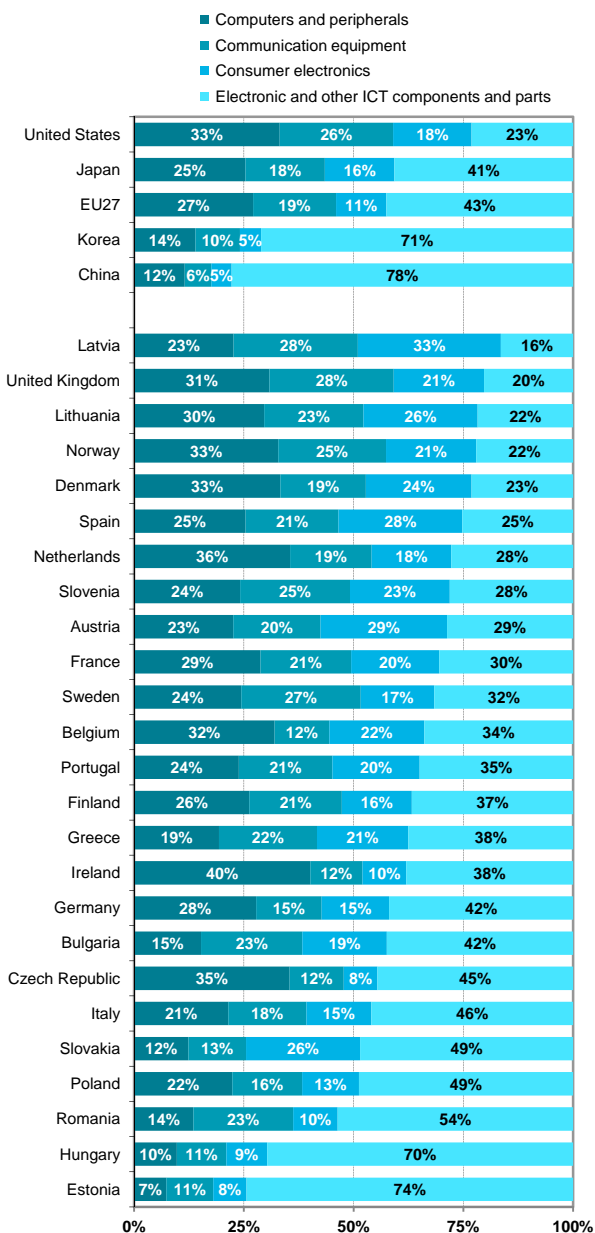


Source: UN, Comtrade database and CZSO calculations



## D ICT external trade

Figure D42 ICT goods imports by commodities, 2011



Source: UN, Comtrade database and CZSO calculations

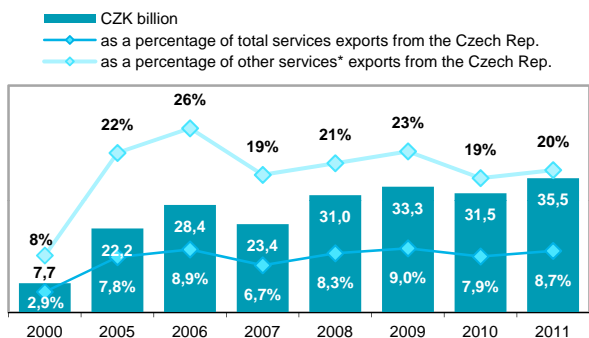
## D ICT external trade

Table D13 ICT services exports from the Czech Republic

CZK million

	2009	2010	2011
<b>Total</b>	<b>33 266</b>	<b>31 506</b>	<b>35 471</b>
<i>from enterprises under foreign control</i>	29 315	28 926	32 725
<b>Type of service</b>			
Telecommunication services	9 346	9 156	8 128
Computer services	23 920	22 351	27 342
<b>Size class of enterprises</b>			
Small (0-49 employees)	1 920	1 857	3 109
Medium (50-249 employees)	6 682	7 402	6 451
Large (250+ employees)	24 664	22 248	25 911

Figure D43 ICT services exports



\* Other services do not include Travel and Transport services

Figure D44 ICT services exports by type of service

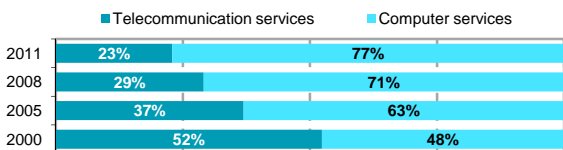
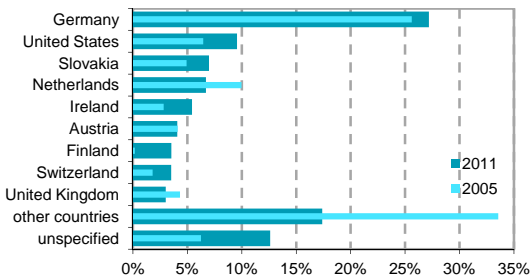


Figure D45 ICT services exports by countries



Source: CZSO, Survey on exports and imports of services and CNB

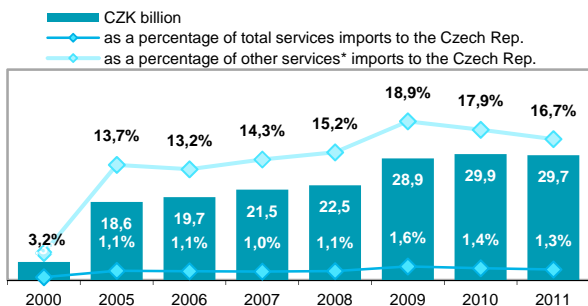
## D ICT external trade

**Table D14 ICT services imports to the Czech Republic**

CZK million

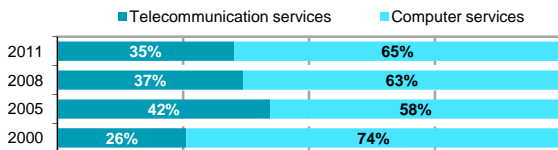
	2009	2010	2011
<b>Total</b>	<b>28 913</b>	<b>29 944</b>	<b>29 666</b>
<i>to enterprises under foreign control</i>	26 850	28 057	28 728
<b>Type of service</b>			
Telecommunication services	10 780	10 433	10 417
Computer services	18 133	19 511	19 249
<b>Size class of enterprises</b>			
Small (0-49 employees)	2 315	1 892	1 364
Medium (50-249 employees)	4 055	5 813	5 257
Large (250+ employees)	22 543	22 239	23 045

**Figure D46 ICT services imports**

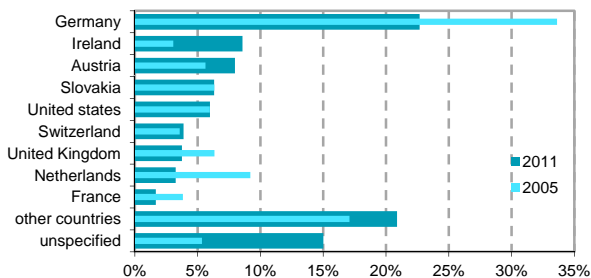


\* Other services do not include Travel and Transport services

**Figure D47 ICT services imports by type of service**



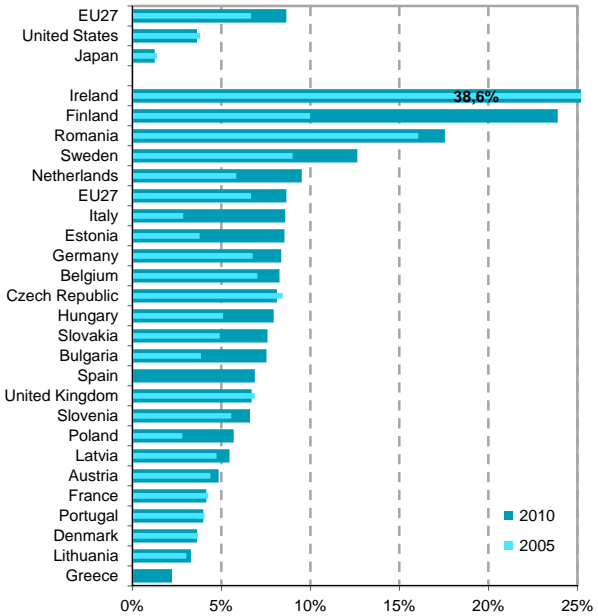
**Figure D48 ICT services imports by countries**



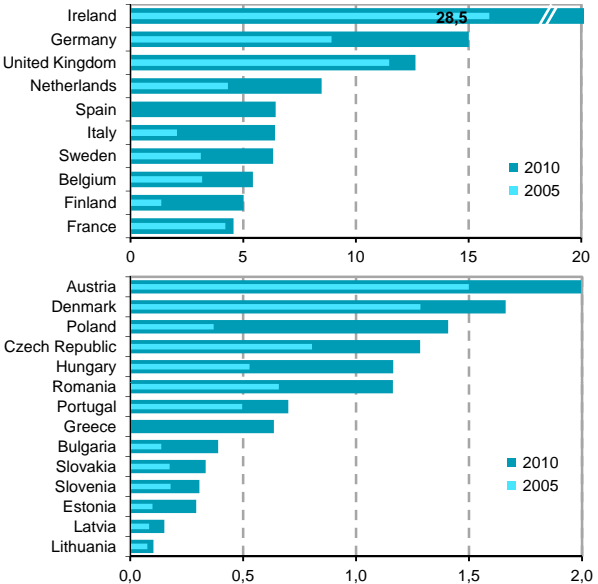
Source: CZSO, Survey on exports and imports of services and CNB

## D ICT external trade

**Figure D49 ICT services exports  
(as percentage of total services exports)**



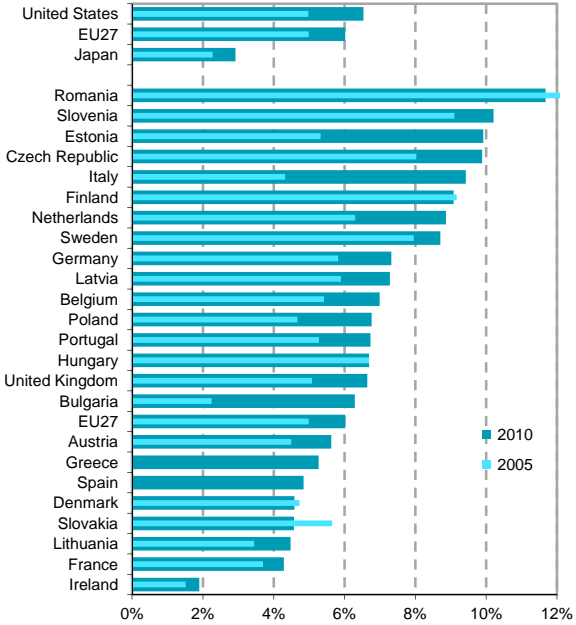
**Figure D50 ICT services exports (US\$ billion)**



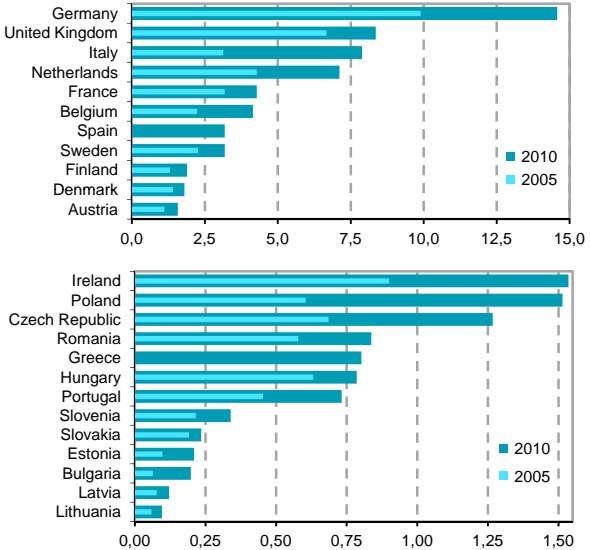
Source: Eurostat

## D ICT external trade

**Figure D51 ICT services imports  
(as percentage of total services imports)**



**Figure D52 ICT services imports (US\$ billion)**



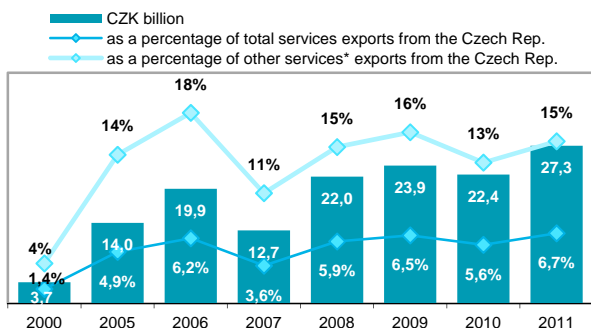
## D ICT external trade

**Table D15 Computer services exports from the Czech Republic**

CZK million

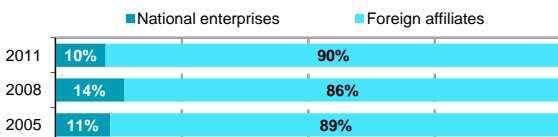
	2009	2010	2011
<b>Total</b>	<b>23 920</b>	<b>22 351</b>	<b>27 342</b>
Computer HW&SW consulting and support	.	.	15 202
Data processing, hosting and related services	.	.	9 835
Maintenance and repair of computers	.	.	2 306
<b>Ownership of enterprises</b>			
National enterprises	3 484	2 143	2 721
Enterprises under foreign control	20 436	20 207	24 621
<b>Size class of enterprises</b>			
Small (0-49 employees)	1 569	1 385	2 888
Medium (50-249 employees)	5 874	6 882	5 822
Large (250+ employees)	16 478	14 084	18 633

**Figure D53 Computer services exports**

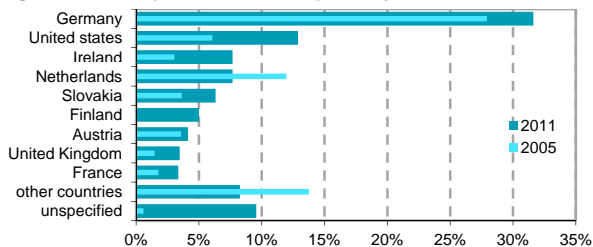


\* Other services do not include Travel and Transport services

**Figure D54 Computer services exports by ownership of exporting enterprises**



**Figure D55 Computer services exports by countries**



Source: CZSO, Survey on exports and imports of services and CNB

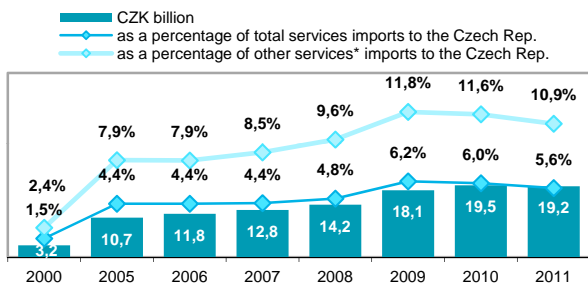
## D ICT external trade

Table D16 Computer services imports to the Czech Republic

CZK million

	2009	2010	2011
<b>Total</b>	<b>18 133</b>	<b>19 511</b>	<b>19 249</b>
Computer HW&SW consulting and support	.	.	13 681
Data processing, hosting and related services	.	.	4 428
Maintenance and repair of computers	.	.	1 140
<b>Ownership of enterprises</b>			
National enterprises	1 987	1 797	870
Enterprises under foreign control	16 146	17 714	18 380
<b>Size class of enterprises</b>			
Small (0-49 employees)	2 042	1 423	1 123
Medium (50-249 employees)	2 671	5 195	3 770
Large (250+ employees)	13 420	12 894	14 357

Figure D56 Computer services imports



\* Other services do not include Travel and Transport services

Figure D57 Computer services imports by ownership of importing enterprises

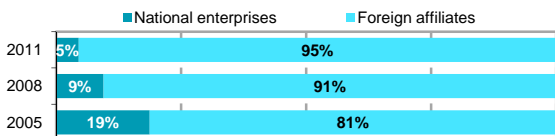
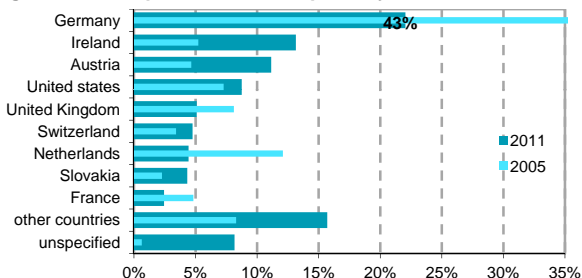


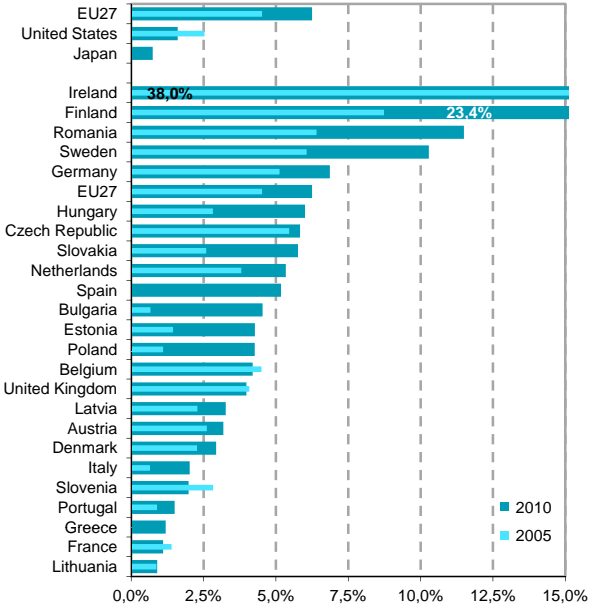
Figure D58 Computer services imports by countries



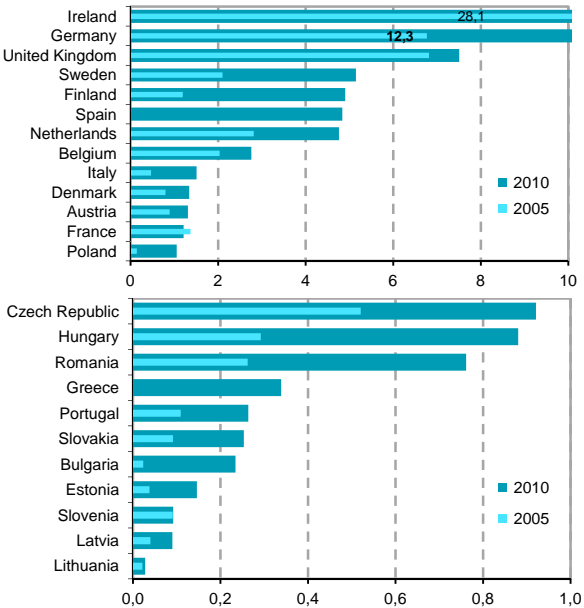
Source: CZSO, Survey on exports and imports of services and CNB

## D ICT external trade

**Figure D59 Computer services exports  
(as percentage of total services exports)**



**Figure D60 Computer services exports (EUR billion)**



Source: Eurostat