

C External trade in ICT products

1) External trade (imports and exports) in ICT goods

Imports (exports) of ICT goods measures the value of ICT goods that enter (leave) the domestic territory of a country irrespective of their final destination.

ICT goods must either be intended to fulfill the function of information processing and communication by electronic means, including transmission and display, or use electronic processing to detect, measure and/or record physical phenomena, or to control a physical process.

List of ICT goods (179 items) was defined in 2003 by the OECD in terms of the **Harmonised System (HS 2002)** – classification standard used for international trade. HS codes of ICT goods were grouped into the following five broad categories:

- Telecommunications equipment
- Computer and related equipment
- Electronic components.
- Audio and video equipment
- Other ICT goods.

The **Czech External Trade database** was used as a main data source for national data. For more information see:

<http://dw.czso.cz/pls/stazo/>

The **OECD's International Trade Indicators database** was used as a data source for an international comparison.

<http://stats.oecd.org/wbos/Default.aspx?usercontext=sourceoecd>

2) External trade (imports and exports) in ICT services

Imports (and exports) of ICT services reflect the value of services provided to residents of other countries (or received by residents of the domestic territory).

For **ICT services**, an industry-based definition was used. ICT services must be primary intended to enable the function of information processing and communication by electronic means. The two ICT services sectors correspond to the following **Balance of Payments Coding System (BPM5)** categories:

- Telecommunication services – BPM5 code 247,
- Computer services – BPM5 code 263.

Until 2004, data on ICT services external trade are taken from data sources of the Czech National Bank, particularly from the balance of payment statistics. Since 2005 the Czech Statistical Office has its own survey about import and export of services. This data source is used since then.

Note: The data for years 2005 and 2006 are not comparable with previous years, however should better reflect the situation in the Czech ICT services external trade.

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Table C1 ICT goods exports

CZK million

	2003	2004	2005	2006
by ICT categories	166 748	231 774	233 463	303 180
Telecommunications	24 497	27 840	20 894	20 150
Comp. and related equipment	85 811	103 087	114 120	161 353
Electronic components	33 637	49 398	44 517	46 889
Audio and video equipment	14 740	38 857	42 893	62 487
Other ICT goods	8 062	12 592	11 040	12 301
by regions				
Praha	5 682	13 733	21 494	27 482
Středočeský	31 542	51 041	23 458	18 137
Jihočeský	7 146	6 614	4 332	4 512
Plzeňský	11 643	26 116	29 639	55 483
Karlovarský	257	1 271	800	499
Ústecký	1 527	1 901	1 663	2 352
Liberecký	782	687	1 069	1 556
Královéhradecký	2 689	3 226	2 613	1 747
Pardubický	69 611	74 590	83 086	89 405
Vysočina	286	473	900	863
Jihomoravský	17 812	22 274	19 221	27 364
Olomoucký	8 954	12 430	6 685	5 749
Zlínský	5 956	8 317	7 124	6 408
Moravskoslezský	2 861	5 306	10 551	21 584
unknown	0	3 794	20 825	40 037

Figure C1 ICT goods exports

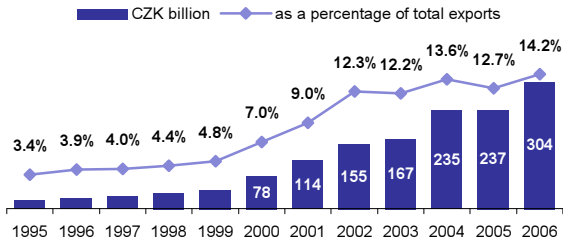
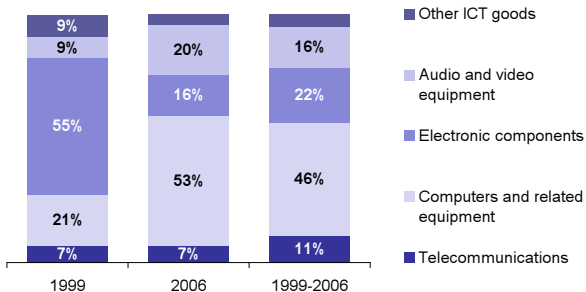


Figure C2 Commodity distribution of ICT exports



Source: CZSO, External Trade Database

C External trade in ICT products

Table C2 ICT goods imports

CZK million

	2003	2004	2005	2006
Total	199 828	241 416	233 918	311 025
Telecommunications	24 999	29 544	20 604	25 761
Comp. and related equipment	66 516	83 126	82 341	129 240
Electronic components	73 593	82 873	86 264	101 313
Audio and video equipment	17 924	27 267	26 439	34 765
Other ICT goods	16 797	18 606	18 271	19 947

Figure C3 ICT goods imports

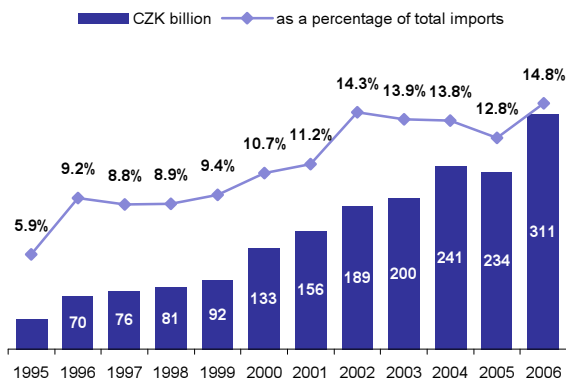
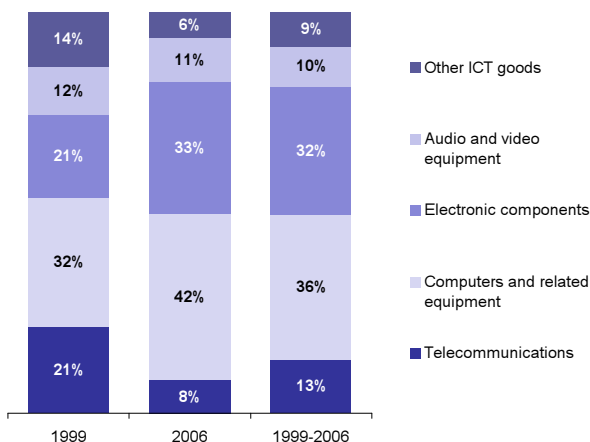


Figure C4 Commodity distribution of ICT imports



Source: CZSO, External Trade Database

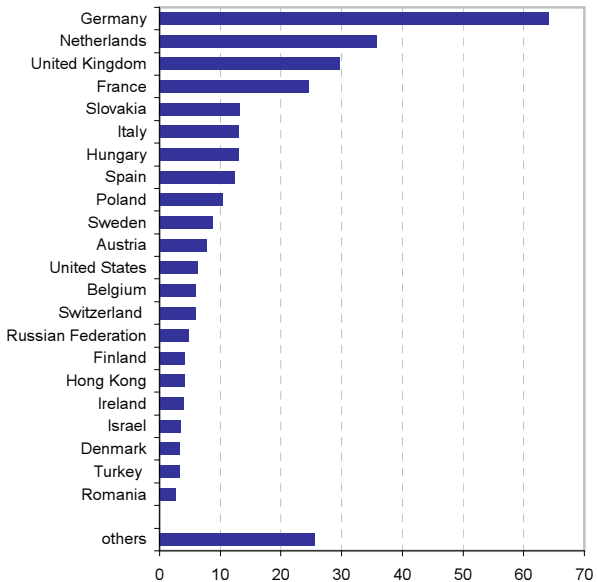
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Table C3 ICT goods exports in Czech Republic by countries

CZK million

	2001	2002	2003	2004	2005	2006
Austria	2 890	3 429	4 928	7 797	5 968	7 651
Belgium	10 647	3 865	2 322	2 300	3 922	5 940
Denmark	149	475	610	724	1 911	3 247
Finland	805	594	1 277	1 361	2 304	4 097
France	7 868	10 545	11 846	12 182	18 771	24 523
Germany	22 418	26 519	33 010	61 171	49 619	64 043
Hong Kong	1 112	1 535	2 012	2 447	2 391	4 046
Hungary	1 171	7 417	4 360	8 605	8 682	12 869
Ireland	5 723	4 772	3 291	2 849	3 340	3 861
Israel	644	307	170	557	2 151	3 334
Italy	2 793	7 257	11 886	16 211	11 399	12 901
Netherlands	7 699	23 506	29 066	40 094	32 531	35 696
Poland	2 020	3 236	3 580	8 513	8 997	10 324
Romania	80	149	262	1 035	1 829	2 643
Russian Federation	818	706	913	2 187	3 979	4 652
Slovakia	2 840	3 275	3 752	7 250	10 639	13 230
Spain	1 207	3 108	2 726	6 713	8 711	12 263
Sweden	1 717	2 398	1 983	2 628	5 233	8 679
Switzerland	2 500	3 949	4 147	3 397	3 734	5 783
Turkey	720	2 043	3 134	4 303	3 076	3 232
United Kingdom	27 788	25 691	23 908	17 413	20 253	29 681
United States	3 742	6 520	5 657	6 415	6 753	6 215

Figure C5 ICT goods exports by countries, 2006 (CZK billion)



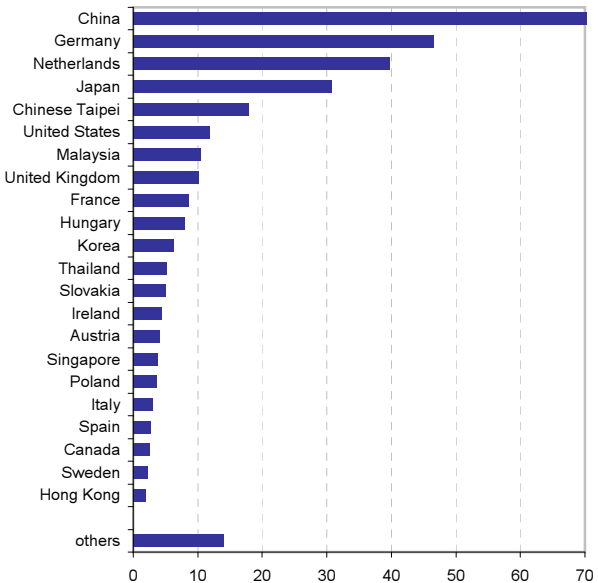
Source: CZSO, External Trade Database

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Table C4 ICT goods imports in Czech Republic by countries

	CZK million					
	2001	2002	2003	2004	2005	2006
Austria	3 598	2 563	3 098	4 187	3 370	4 014
Canada	947	593	778	1 181	1 609	2 472
France	8 084	5 014	5 782	6 117	4 180	8 414
Germany	36 220	30 096	32 786	39 308	37 069	46 472
Hong Kong	672	744	1 642	1 767	1 920	1 884
Hungary	2 236	2 543	4 082	5 185	2 881	7 848
China	15 805	33 887	42 545	47 134	45 503	70 177
Chinese Taipei	6 695	11 516	10 935	10 577	12 085	17 853
Ireland	3 883	3 448	3 317	4 102	3 992	4 309
Italy	6 066	6 201	3 437	3 325	2 881	2 991
Japan	7 473	9 343	10 989	21 343	23 421	30 684
Korea	2 401	6 015	5 469	7 063	6 362	6 200
Malaysia	5 176	12 673	15 936	11 002	8 013	10 333
Netherlands	2 737	3 986	3 325	10 741	32 668	39 741
Poland	966	1 265	1 727	1 848	1 896	3 593
Singapore	3 406	6 032	6 137	4 753	2 977	3 799
Slovakia	2 066	1 812	2 614	3 901	3 271	4 862
Spain	1 696	1 181	1 051	2 285	2 488	2 627
Sweden	2 345	1 187	893	1 437	1 002	2 055
Thailand	1 482	1 881	3 560	4 283	3 881	5 036
United Kingdom	15 376	9 749	5 936	8 867	7 964	10 069
United States	12 380	11 477	10 549	19 667	10 747	11 690

Figure C6 ICT goods imports by countries, 2006 (CZK billion)



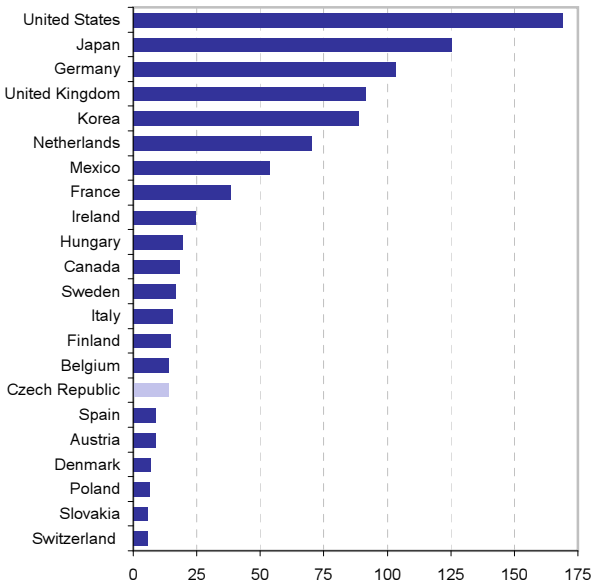
Source: CZSO, External Trade Database

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Table C5 ICT goods exports in OECD countries

	US\$ billion					
	2001	2002	2003	2004	2005	2006
Austria	5.7	6.2	6.6	7.9	8.1	8.5
Belgium	12.2	10.6	12.5	13.6	14.6	13.7
Canada	15.0	12.0	12.0	14.2	16.6	18.1
Czech Republic	3.2	4.8	5.9	9.1	9.8	13.5
Denmark	4.1	5.4	5.1	5.8	7.0	6.8
Finland	9.4	9.8	11.1	11.5	14.6	14.6
France	31.5	27.8	28.2	32.6	33.2	38.1
Germany	59.1	61.4	70.3	91.3	95.0	103.2
Hungary	7.5	8.9	12.0	17.0	16.5	19.4
Ireland	30.8	27.2	22.6	23.7	24.9	24.5
Italy	12.8	11.3	12.5	14.5	15.2	15.4
Japan	94.5	95.0	106.7	124.2	121.5	125.1
Korea	46.8	55.0	66.5	86.1	87.2	88.5
Mexico	38.1	36.2	35.9	41.3	43.9	53.5
Netherlands	35.8	31.6	45.5	58.3	64.7	70.0
Poland	1.8	2.2	2.7	3.3	4.1	6.1
Slovakia	0.6	0.6	1.0	1.8	3.2	5.5
Spain	6.2	5.9	7.6	8.2	8.3	8.5
Sweden	9.3	10.3	11.4	14.8	15.8	16.5
Switzerland	4.3	3.6	4.1	4.7	5.6	5.5
United Kingdom	53.4	51.9	43.1	43.7	59.8	91.3
United States	152.2	132.6	136.6	149.3	154.9	169.0

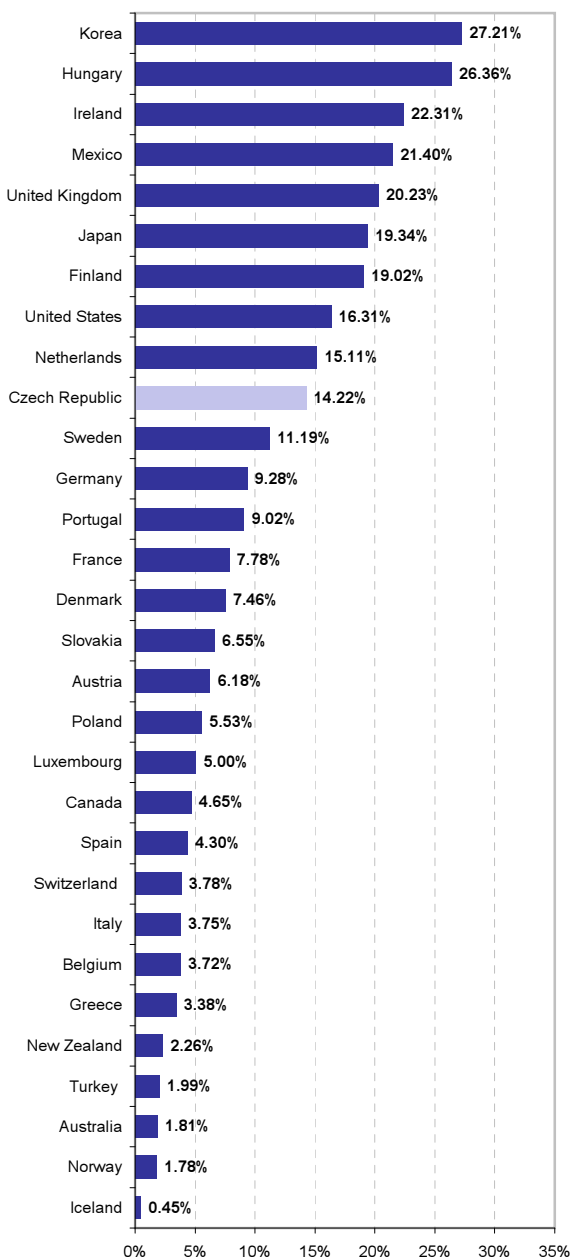
Figure C7 ICT goods exports, 2006 (US \$ billion)



Source: OECD, Bilateral Trade Database

C External trade in ICT products

Figure C8 ICT goods exports, 2006
(as a percentage of total exports)



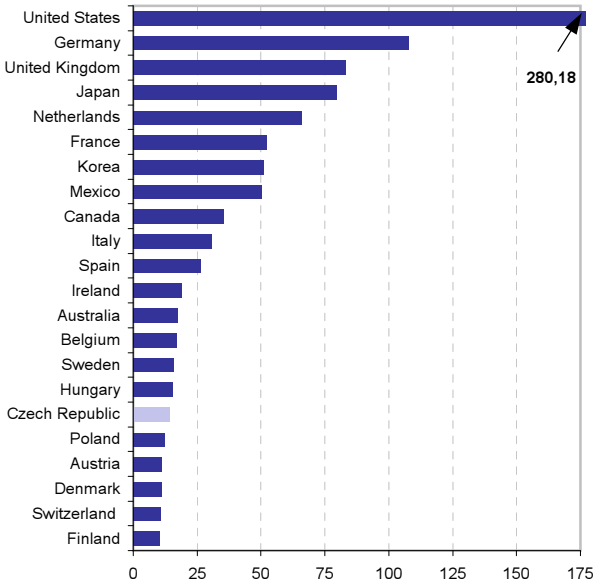
Source: OECD, Bilateral Trade Database

C External trade in ICT products

Table C6 ICT goods imports in OECD countries

	US\$ billion					
	2001	2002	2003	2004	2005	2006
Australia	9.1	9.4	11.3	14.5	15.5	17.0
Austria	7.3	7.4	8.6	10.0	10.7	11.0
Belgium	14.4	12.7	14.3	16.2	17.7	16.8
Canada	28.3	24.8	25.5	29.9	32.8	35.4
Czech Republic	4.9	5.8	7.1	9.3	9.7	14.0
Denmark	5.6	6.7	6.9	7.9	10.4	10.7
Finland	5.5	5.3	5.9	6.9	9.1	10.0
France	35.6	31.7	35.8	43.3	45.8	52.1
Germany	67.9	65.7	73.7	89.9	94.3	107.7
Hungary	8.0	8.7	10.4	14.1	13.5	15.3
Ireland	17.4	17.7	14.0	15.6	17.3	18.4
Italy	21.5	20.4	24.0	29.8	30.2	30.7
Japan	58.2	55.1	61.2	72.7	76.5	79.3
Korea	30.3	32.3	37.5	42.8	47.0	51.0
Mexico	36.6	32.7	34.0	41.0	43.4	50.3
Netherlands	37.5	29.8	44.0	57.6	60.4	65.6
Poland	5.1	5.2	6.0	7.7	9.1	12.0
Spain	13.3	13.1	16.3	20.4	22.6	26.2
Sweden	9.1	8.6	10.2	13.0	13.7	15.4
Switzerland	8.2	7.5	8.3	9.5	10.6	10.5
United Kingdom	55.4	49.8	54.5	65.9	68.7	82.6
United States	193.8	193.9	199.9	234.8	256.8	280.2

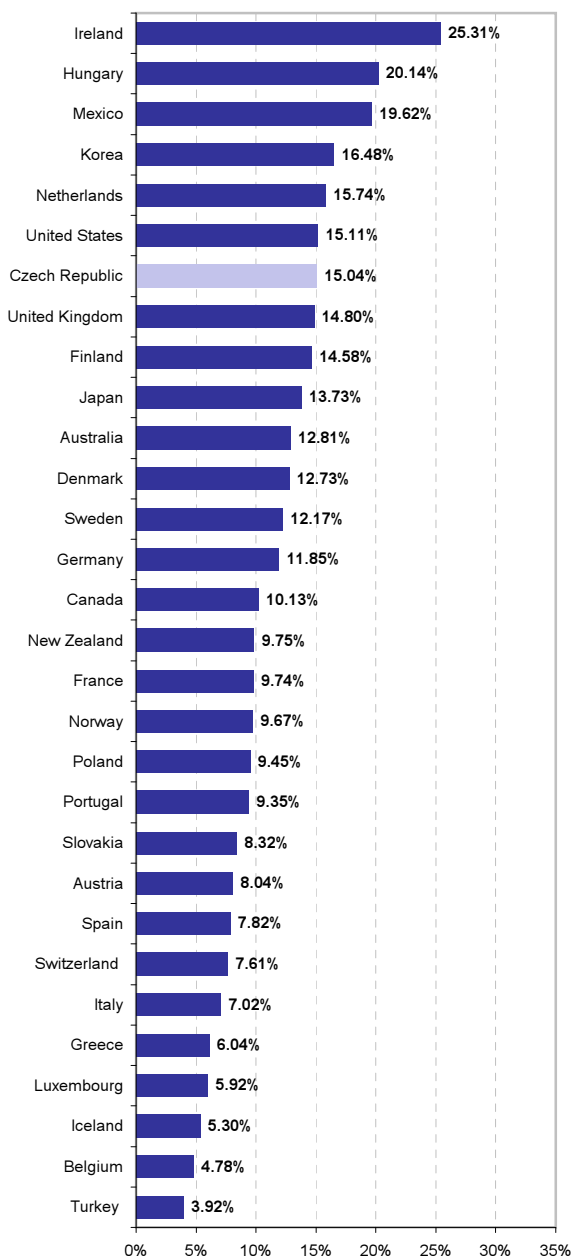
Figure C9 ICT goods imports, 2006 (US \$ billion)



Source: OECD, Bilateral Trade Database

C External trade in ICT products

Figure C10 ICT goods imports, 2006
(as a percentage of total imports)



Source: OECD, Bilateral Trade Database

C External trade in ICT products

Table C7 International trade with selected ICT goods

CZK million

	2003	2004	2005	2006
Mobile phones				
exports	18 285	17 134	7 340	3 453
imports	15 568	17 880	10 404	10 293
Line telephones				
exports	657	81	91	222
imports	201	269	200	142
Portable computers				
exports	450	1 033	1 106	4 784
imports	3 588	5 076	5 709	12 051
Desktop computers				
exports	85 361	102 380	113 942	154 807
imports	62 927	78 050	76 632	117 189
Digital video recorders				
exports	23	1 163	1 543	982
imports	859	2 223	2 988	2 320
Analog video recorders				
exports	9	55	50	29
imports	852	526	208	112
Digital audio players				
exports	1 313	1 309	1 421	1 526
imports	864	1 269	1 461	1 450
Analog audio players				
exports	130	244	348	708
imports	193	317	554	792
Data recording mediums				
exports	127	328	1 199	1 935
imports	748	1 425	1 699	8 187
Analog recording mediums				
exports	55	342	278	222
imports	740	831	559	475
Magnetic and chip cards				
exports	5 543	12 869	8 446	7 950
imports	1 225	1 809	2 219	1 421

Table C8 International trade with selected ICT goods

thousand units

	2003	2004	2005	2006
Mobile phones				
exports	3 297	5 096	2 611	1 327
imports	4 922	6 930	4 989	3 868
Line telephones				
exports	623	63	88	147
imports	139	280	224	207
Portable computers				
exports	36	124	185	447
imports	151	290	444	948

C External trade in ICT products

Figure C11 External trade with mobile phones in Czech Rep. (thousand units)

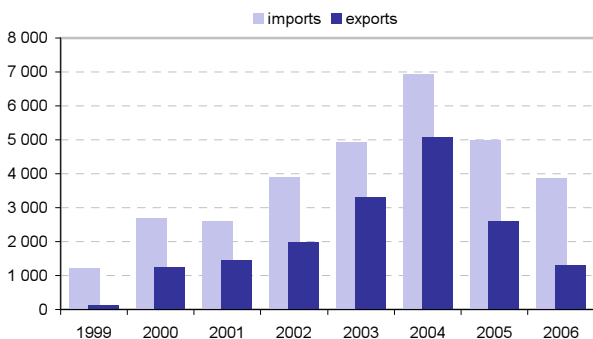


Figure C12 External trade with laptops in Czech Rep. (thousand units)

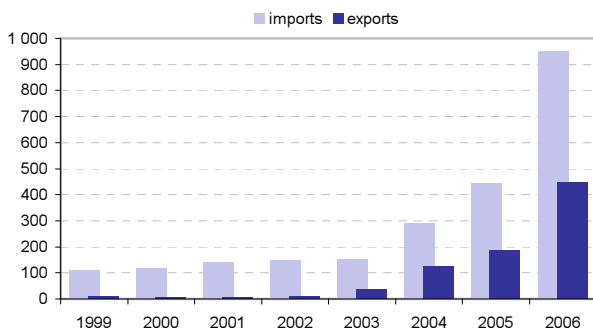
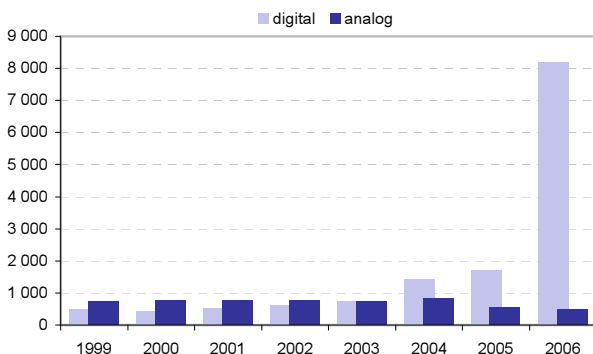


Figure C13 Data recording mediums imports in Czech Rep. (CZK million)



C External trade in ICT products

Table C9 ICT services exports

CZK million

	2003	2004	2005	2006
ICT services total	4 509	8 578	22 182	28 429
247 telecommunication services	2 512	5 163	8 193	8 527
263 computer services	1 997	3 415	13 989	19 902

Figure C14 ICT services exports

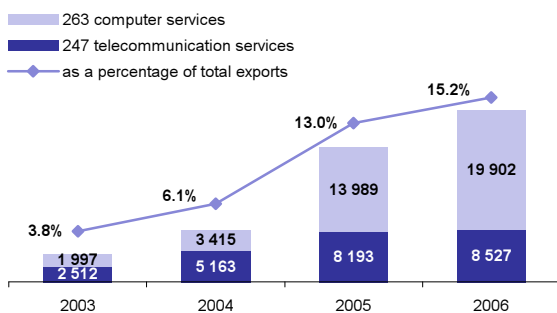
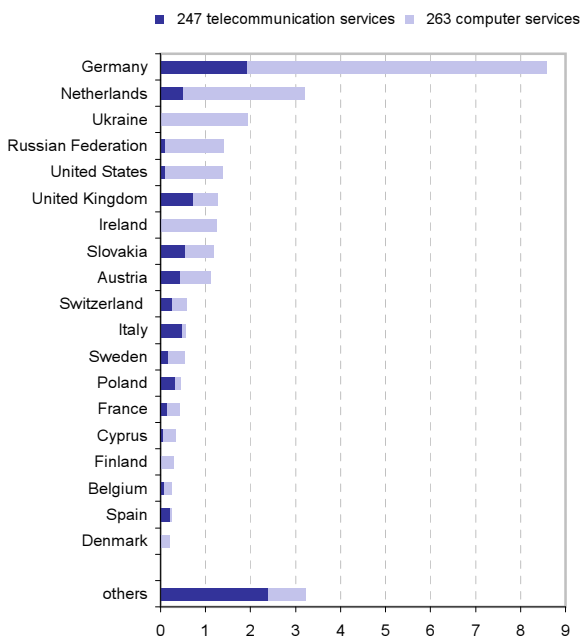


Figure C15 ICT services exports by countries, 2006 (CZK billion)



Note: Break in time series in 2005

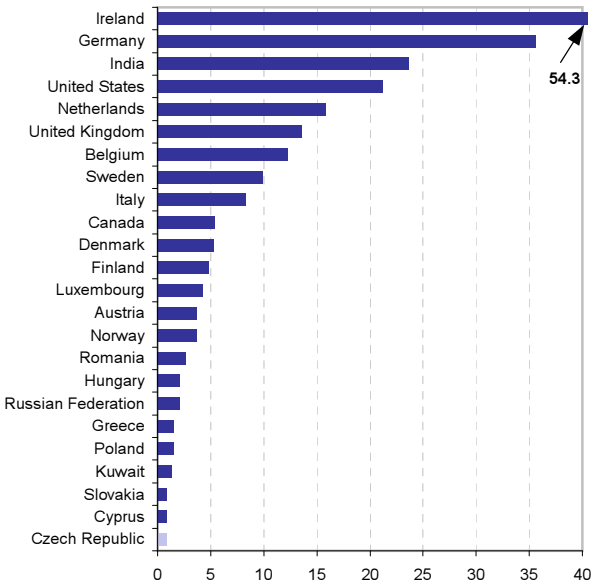
Source: CZSO, External Trade Services Database

C External trade in ICT products

Table C10 ICT services exports in selected countries

	US \$ billion					
	2000	2001	2002	2003	2004	2005
Austria	.	.	2.0	2.3	2.6	3.7
Belgium	.	.	8.5	9.7	11.4	12.2
Canada	5.0	4.9	4.8	5.7	6.7	5.4
Czech Republic	0.4	0.8	0.8	0.5	0.7	0.8
Denmark	.	.	.	.	.	5.2
Finland	0.8	1.0	1.4	2.0	2.3	4.8
Germany	11.4	18.9	23.4	28.6	34.8	35.5
Greece	0.8	0.7	0.5	1.2	1.5	1.5
Hungary	.	.	.	.	1.7	2.0
India	6.3	7.6	9.6	12.8	17.7	23.6
Ireland	12.3	1.0	31.8	41.0	57.4	54.3
Italy	3.5	4.5	3.7	7.1	7.4	8.2
Luxembourg	.	.	2.8	3.3	3.7	4.2
Netherlands	1.7	6.9	7.6	12.9	15.1	15.8
Norway	0.2	0.8	0.2	0.4	2.5	3.6
Poland	0.0	0.1	0.1	0.1	1.5	1.5
Romania	.	.	.	.	.	2.6
Russian Federation	.	.	0.8	1.1	1.2	2.0
Slovakia	0.1	0.1	0.1	0.3	0.2	0.8
Sweden	3.4	4.1	5.5	7.0	9.0	9.9
United Kingdom	.	2.7	20.6	9.7	14.0	13.5
United States	17.2	18.5	16.8	18.8	20.5	21.1

Figure C16 ICT services exports, 2005 (US \$ billion)



Source: UN, International Trade in Services

C External trade in ICT products

Table C11 ICT services imports

CZK million

	2003	2004	2005	2006
ICT services total	11 595	15 634	18 579	19 700
247 telecommunication services	7 707	10 307	7 861	7 921
263 computer services	3 888	5 327	10 717	11 779

Figure C17 ICT services imports

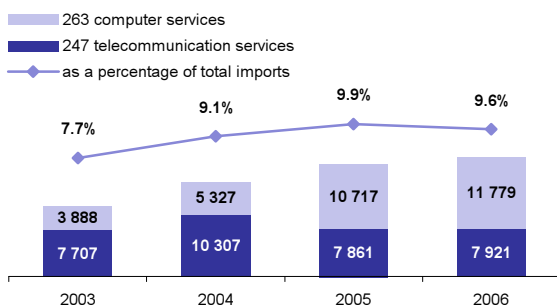
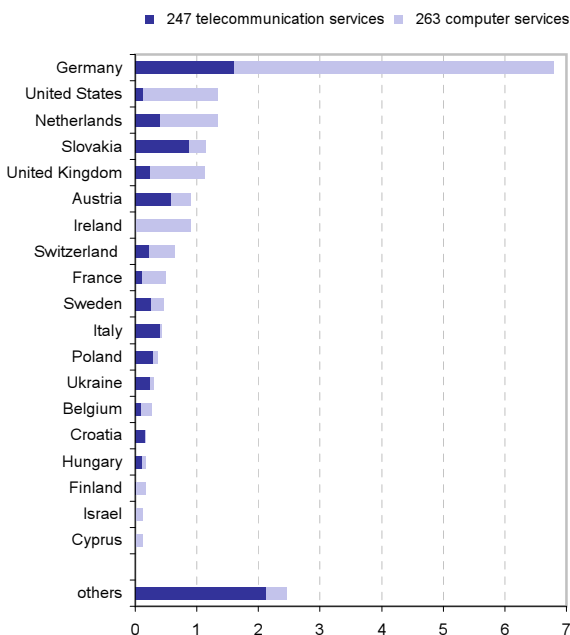


Figure C18 ICT services imports by countries, 2006 (CZK billion)



Note: Break in time series in 2005

Source: CZSO, External Trade Services Database

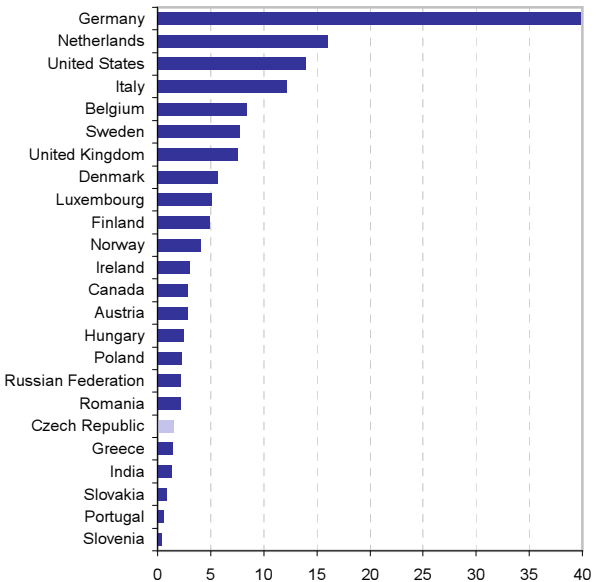
C External trade in ICT products

Table C12 ICT services imports in selected countries

US\$ billion

	2000	2001	2002	2003	2004	2005
Austria	0.0	0.0	1.7	2.0	2.4	2.8
Belgium	.	.	7.1	7.4	9.4	8.4
Canada	2.0	2.0	2.7	3.0	3.8	2.8
Czech Republic	0.3	0.4	0.8	1.2	1.6	1.5
Denmark	.	.	.	.	.	5.6
Finland	1.2	1.4	1.1	1.8	2.2	4.8
Germany	16.6	25.7	30.0	34.1	37.9	39.8
Greece	0.9	1.0	0.9	1.4	1.5	1.4
Hungary	.	.	.	.	1.8	2.4
India	0.6	0.7	0.7	0.5	0.8	1.3
Ireland	1.3	0.5	3.3	3.6	3.0	2.9
Italy	5.6	7.3	7.3	10.4	10.1	12.1
Luxembourg	.	.	0.9	2.5	4.6	5.1
Netherlands	1.9	7.8	8.1	11.5	13.2	16.0
Norway	0.1	0.5	0.8	0.5	2.5	4.1
Poland	0.2	0.2	0.2	0.3	2.2	2.2
Romania	.	.	.	.	.	2.1
Russian Federation	.	.	1.8	1.9	1.6	2.2
Slovakia	0.1	0.1	0.1	0.2	0.3	0.9
Sweden	3.5	2.8	3.7	6.0	7.2	7.7
United Kingdom	.	2.5	11.0	5.4	6.8	7.5
United States	14.2	13.3	11.6	12.6	13.7	13.9

Figure C19 ICT services imports, 2005 (US \$ billion)



Source: UN, International Trade in Services