

D ICT International Trade

ICT international trade contains international trade of ICT goods as well as international trade with ICT services. Definitions of these two components are below.

International trade in ICT goods

According to OECD methodology, the ICT goods includes items that must be intended to fulfill the function of information processing and communication including transmission, reception, recording, reproducing and displaying by electronic means. In addition to this such goods should be able to be networked or to be components of goods that can be networked.

New list of ICT goods (provisional classification) includes items listed in the 2007 Harmonized System (HS 2007) that complies best with the 2007 OECD definition of ICT manufacturing industries classified in the ISIC, Rev.4 and the 2008 OECD definition of information economy products based on the CPC V2 (provisional classification).

HS 2007 codes of ICT goods were grouped into the following four broad categories:

- Communication equipment
- Computers and related equipment
- Consumer electronics
- Electronic components and parts of ICT n.e.s.

Note: New data published in this brochure are not comparable with the previous ones based on the 2003 OECD goods definition in HS 2002. The scope of ICT goods has narrowed compared with the 2003 definition (e.g. does not include other ICT goods such as ICT medical and scientific equipment).

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

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

Additional data and metadata on ICT goods international trade statistics are available on the following dedicated website (temporally only in Czech)

http://www.czso.cz/csu/redakce.nsf/i/zahranicni_obchod_s_ict_zbozim

International trade in ICT services

Data on trade in ICT services are currently limited compared to data on trade in ICT goods. The current services classification used by UNSD in its UN Service Trade Database is same as the Extended Balance of Payments Services Classification (EBOPS) which includes:

- 247 Telecommunications services (transmission of sounds, images or other information via telephone, telex, telegram, cable, radio or television, satellite, electronic mail, facsimile, etc., including network communications, teleconferences and support services.
- 263 Computer services (data bases, such as development, storage, and on-line time series, data processing, hardware consultancy, software implementation, maintenance and repair of computers and peripheral equipment.

ICT services are included in the Balance of Payments (BOP) within the services trade statistics. Data about trade in ICT service in the Czech Republic comes from the direct quarterly survey among respondents on exports and imports of services ZO 1-04 that have been conducted by the Czech Statistical Office since 2005. The individual BOP items are defined in compliance with individual receipt and payment items and corresponding international codes (BPM5).

Additional data and metadata on ICT services international trade statistics are available on the following dedicated website (temporally only in Czech):

http://www.czso.cz/csu/redakce.nsf/i/zahranicni_obchod_s_ict_sluzbami

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Table D1 ICT goods exports from the CR

CZK million

	2006	2007	2008
Total	277 715	346 025	360 216
Communication equipment	16 401	46 994	52 170
Computers and related equipment	163 741	181 150	172 318
Consumer electronics	61 137	82 769	91 781
Electronic components and ICT parts n.e.	36 436	35 111	43 946

Figure D1 ICT goods exports

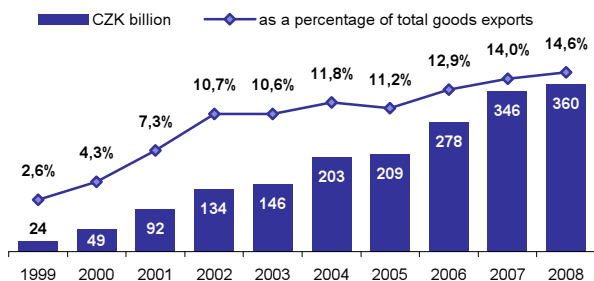


Figure D2 ICT goods exports by categories

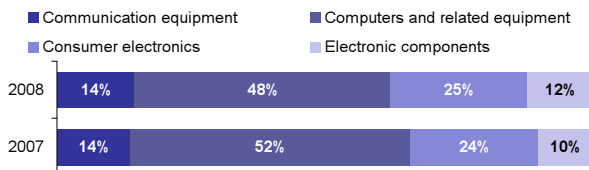
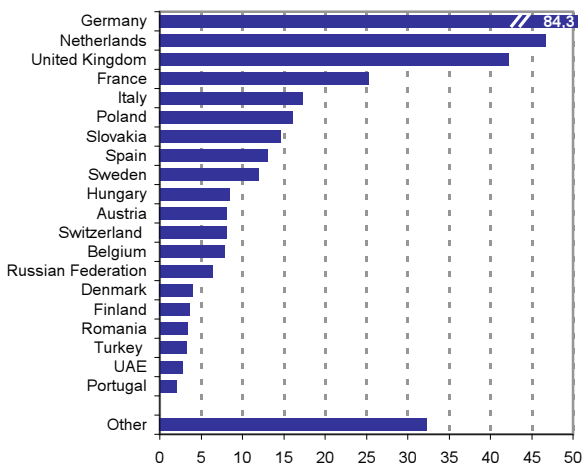


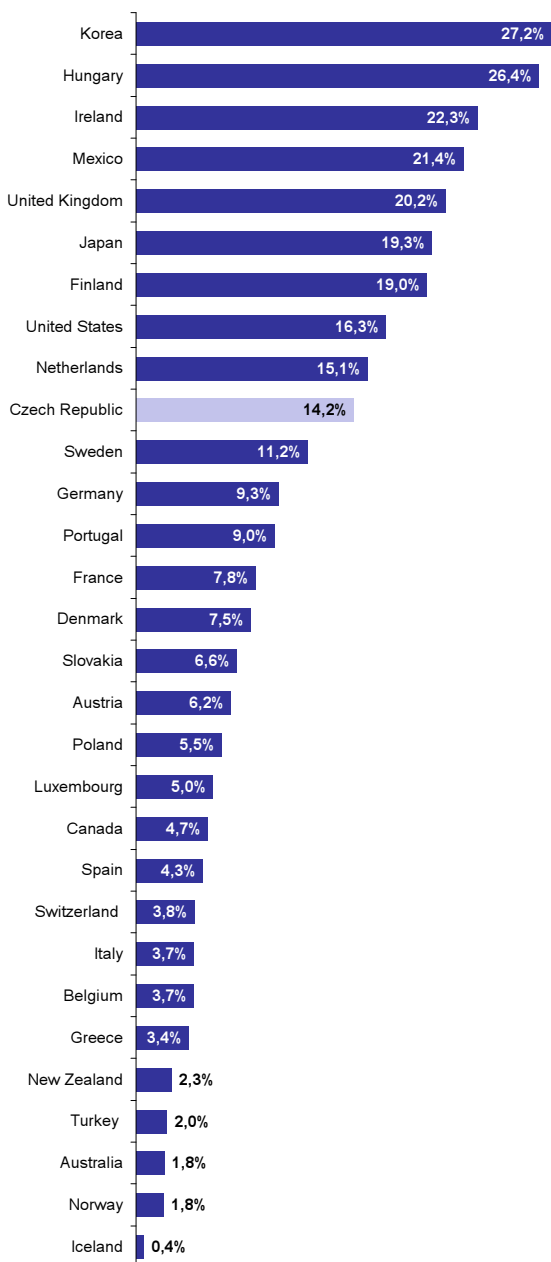
Figure D3 ICT goods exports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Figure D4 ICT goods exports, 2006
(as percentage of total exports)



Source: OECD, International trade (ICT, MEI)

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Table D2 ICT goods imports to the CR

	CZK million		
	2006	2007	2008
Total	285 864	346 879	343 949
Communication equipment	21 571	37 820	39 062
Computers and related equipment	132 694	159 585	148 159
Consumer electronics	29 003	40 201	43 634
Electronic components and ICT parts n.e.	102 597	109 273	113 094

Figure D5 ICT goods imports

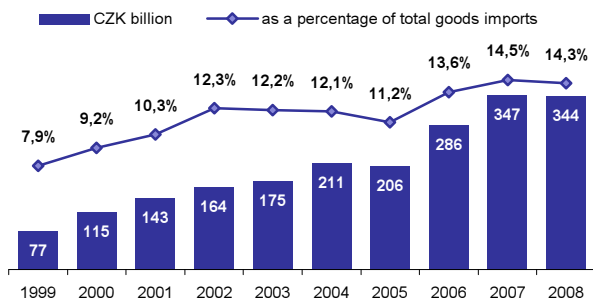


Figure D6 ICT goods imports by categories

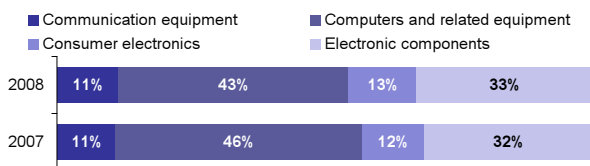
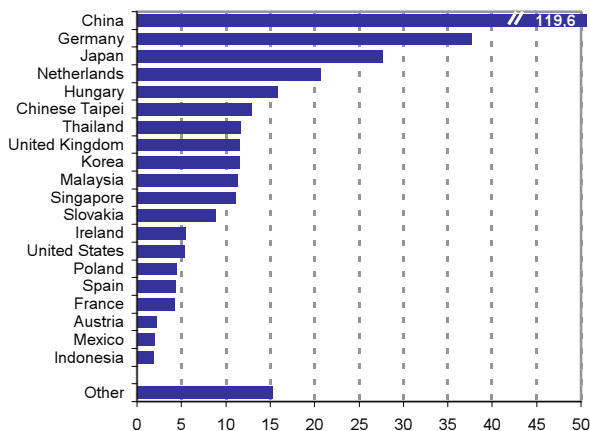


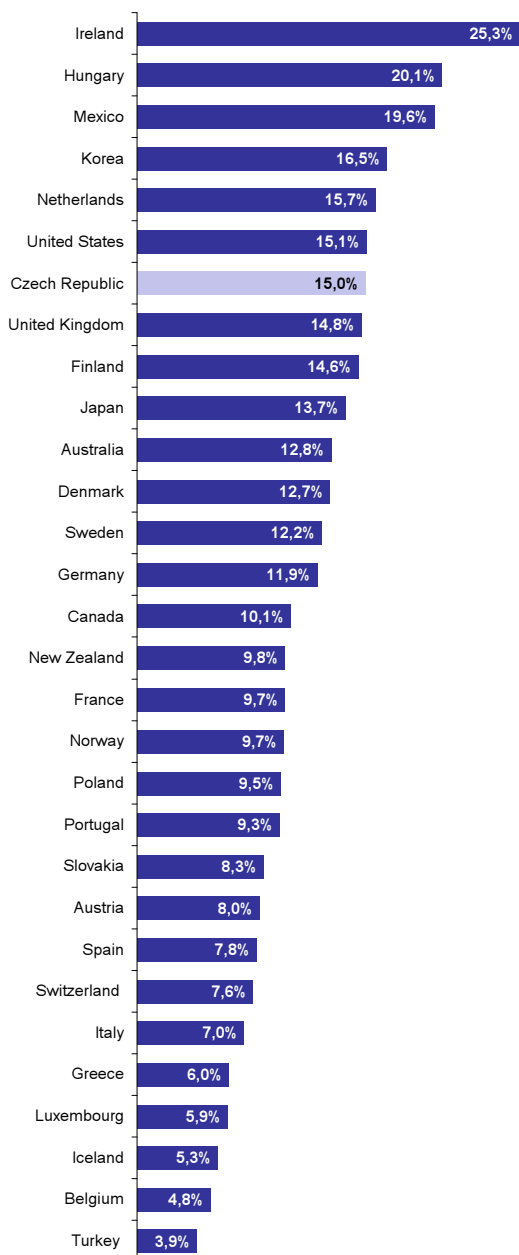
Figure D7 ICT goods imports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Figure D8 ICT goods imports, 2006
(as percentage of total imports)



Source: OECD, International trade (ICT, MEI)

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Table D3 Communication equipment exports from the CR

	CZK million		
	2006	2007	2008
Total	16 401	46 994	52 170
Mobile phones		9 998	22 071
Telecommunication equipment		27 837	23 315
Parts of telecommunication equipment		2 654	2 191
Other communication equipment		6 505	4 593

Figure D9 Communication equipment exports

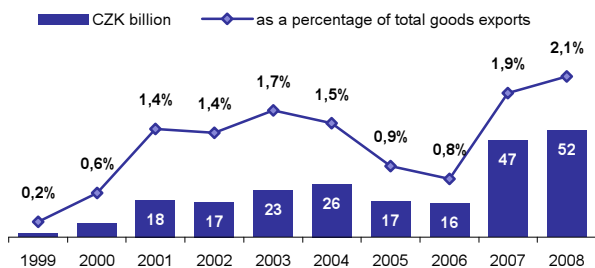


Figure D10 Communication equipment exports by categories

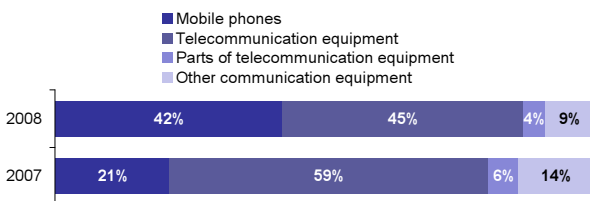
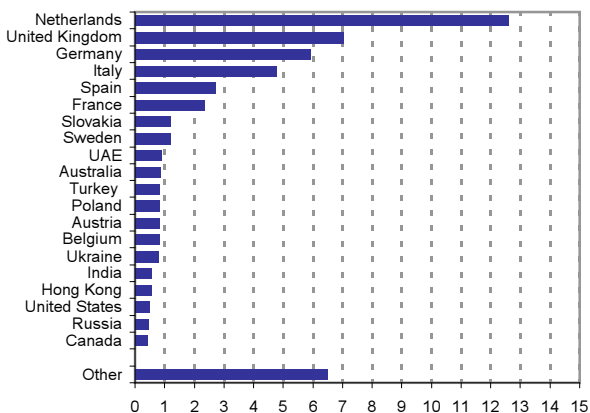


Figure D11 Communication equipment exports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Table D4 Communication equipment imports from the CR

	CZK million		
	2006	2007	2008
Total	21 571	37 820	39 062
Mobile phones		15 718	20 870
Telecommunication equipment		12 639	10 610
Parts of telecommunication equipment		5 570	5 222
Other communication equipment		3 893	2 360

Figure D12 Communication equipment imports

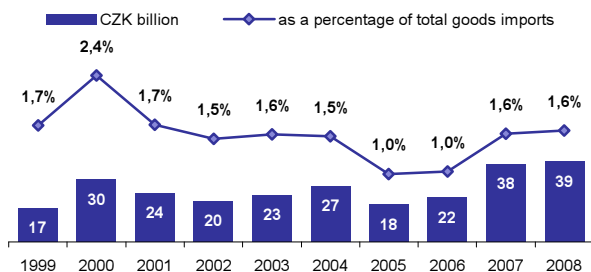


Figure D13 Communication equipment imports by categories

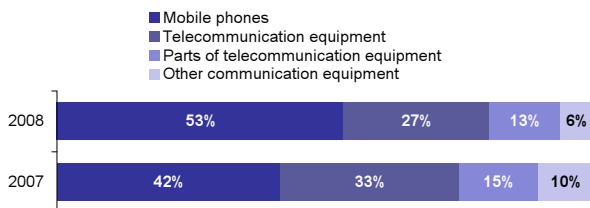
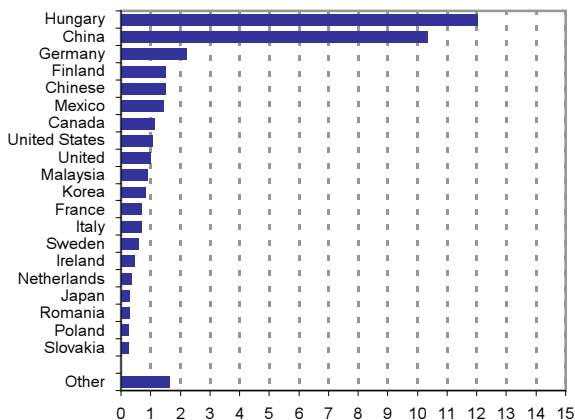


Figure D14 Communication equipment imports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Table D5 Computers and related equipment exports from the CR

CZK million

	2006	2007	2008
Total	163 741	181 150	172 318
Portable computers and PDA	4 777	8 810	10 538
Other computers	94 225	92 207	84 414
Input and output PC peripherals*		18 654	19 331
Other parts and accessories of comp.**		61 479	58 035

*Keyboards, PC mice, PC printers, scanners, monitors etc.

**Fixed and removable media storage units; sound, video, network and similar PCs cards and other parts and accessories of computers

Figure D15 Computers and related equipment exports

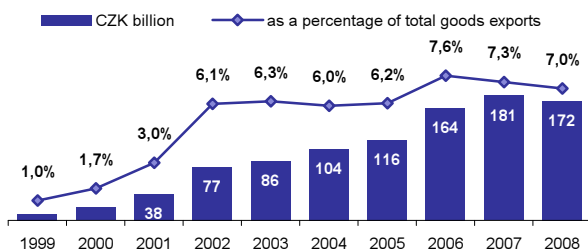


Figure D16 Computers and related equipment exports by categories

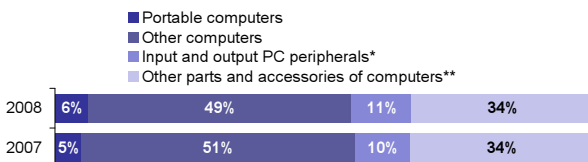
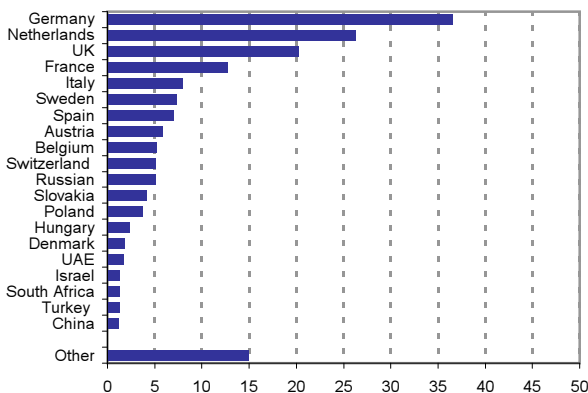


Figure D17 Computers and related equipment exports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Table D6 Computers and related equipment imports from the CR

CZK million

	2006	2007	2008
Total	132 694	159 585	148 159
Portable computers and PDA	12 180	17 360	18 313
Other computers	10 353	11 505	8 908
Input and output PC peripherals*		21 356	17 676
Other parts and accessories of comp.**		109 364	103 262

*Keyboards, PC mice, PC printers, scanners, monitors etc.

**Fixed and removable media storage units; sound, video, network and similar PCs cards and other parts and accessories of computers

Figure D18 Computers and related equipment imports

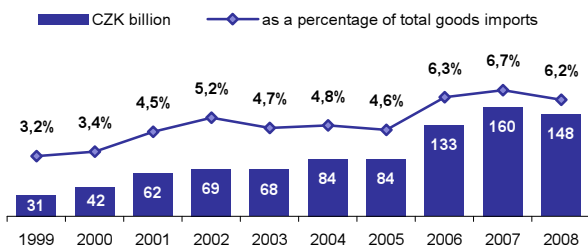


Figure D19 Computers and related equipment imports by categories

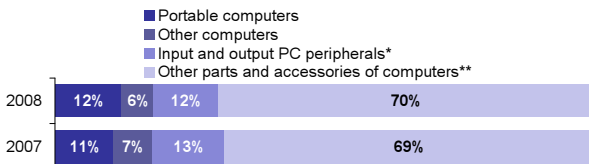
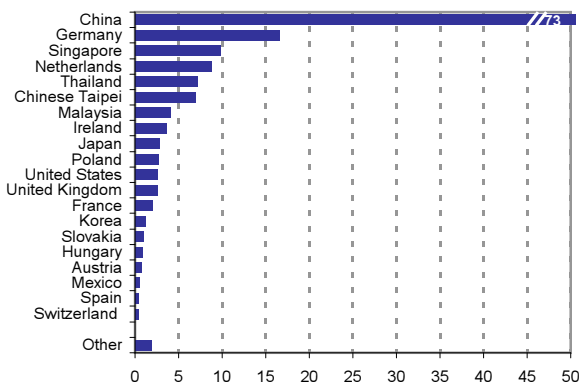


Figure D20 Computers and related equipment imports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Table D7 Consumer electronics exports from the CR

CZK million

	2006	2007	2008
Total	61 137	82 769	91 781
Radio and TV receivers	52 185	63 058	67 919
Television receivers	42 726	50 981	55 779
Radio receivers - for motor vehicles	8 721	10 709	10 329
Radio receivers - others	738	1 368	1 812
Sound, video and image recording and reproducing apparatus	5 702	7 358	10 800
Digital cameras and camcorders	2 464	3 420	4 032
Video and DVD recorders	1 011	1 105	3 719
Others**	2 227	2 833	3 049
Video games consoles	394	2 273	466
Other consumer electronics equipment*	2 856	10 080	12 597

* Monitors, microphones, loudspeakers, unrecorded media etc.

** Sound recording and reproducing apparatus

Figure D21 Consumer electronics exports

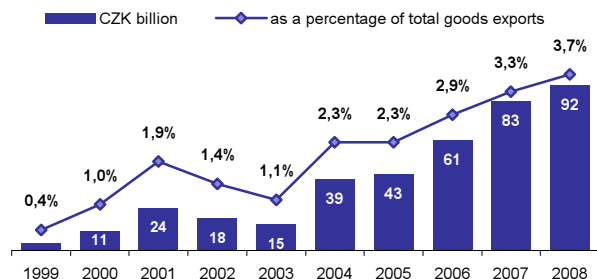
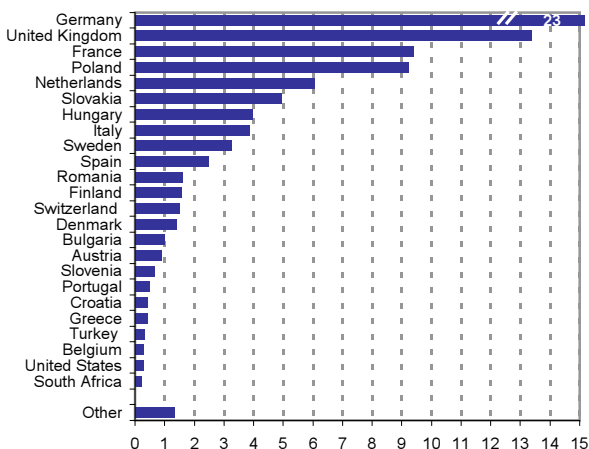


Figure D22 Consumer electronics exports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Table D8 Consumer electronics imports to the CR

CZK million

	2006	2007	2008
Total	29 003	40 201	43 634
Radio and TV receivers	11 080	16 623	20 235
Television receivers	8 523	12 314	16 357
Radio receivers - for motor vehicles	1 129	2 558	2 191
Radio receivers - others	1 428	1 751	1 687
Sound, video and image recording and reproducing apparatus	10 586	12 131	11 998
Digital cameras and camcorders	5 831	6 694	6 663
Video and DVD recorders	2 467	2 884	2 722
Other**	2 288	2 553	2 613
Video games consoles	435	1 265	735
Other consumer electronics equipment*	6 902	10 181	10 666

* Monitors, microphones, loudspeakers, unrecorded media etc.

** Sound recording and reproducing apparatus

Figure D23 Consumer electronics imports

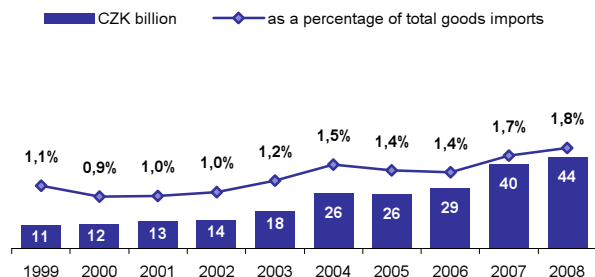
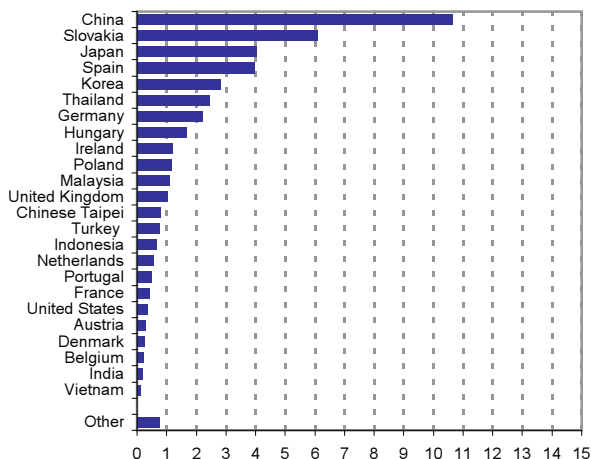


Figure D24 Consumer electronics imports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Table D9 Electronic components and ICT parts n.e.s. exports from the CR

	CZK million		
	2006	2007	2008
Total	36 436	35 111	43 946
Diodes, transistors and other semiconductors devices		9 405	15 062
Electronic integrated circuits		13 144	14 138
Processors and controllers		8 992	10 822
Memories		1 892	1 680
Other integrated circuits and their parts		2 260	1 636
Printed circuits		3 275	3 253
Other electronic components and ICT parts		9 288	11 494

* Valves and tubes, smart cards and other electronic components and parts mainly for consumer electronics

n.e.s. - not else specified

Figure D25 Electronic components and ICT parts n.e.s. exports

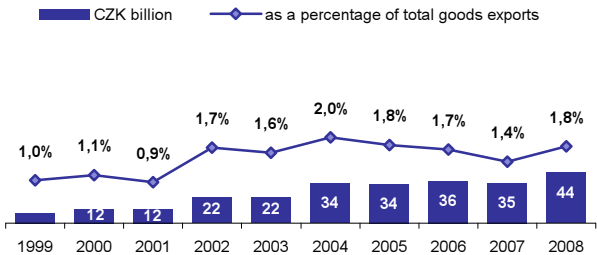
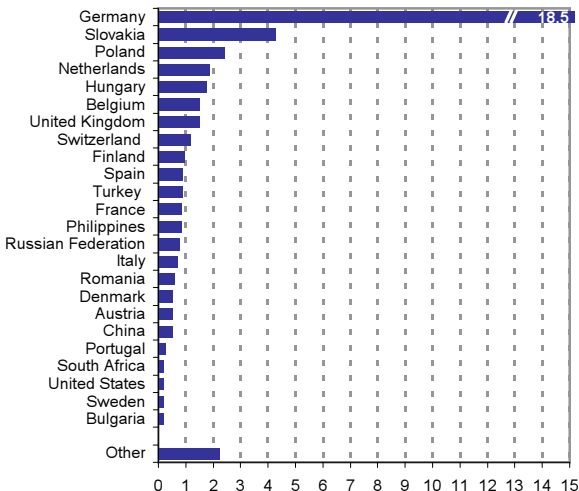


Figure D26 Electronic components and ICT parts n.e.s. exports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Table D10 Electronic components and ICT parts n.e.s. imports to the CR

CZK million

	2006	2007	2008
Total	102 597	109 273	113 094
Diodes, transistors and other semiconductors devices		10 385	17 279
Electronic integrated circuits		35 601	31 950
Processors and controllers		26 373	25 003
Memories		5 040	3 418
Other integrated circuits and their parts		4 189	3 529
Printed circuits		10 535	9 209
Other electronic components and ICT parts		52 753	54 655

* Valves and tubes, smart cards and other electronic components and parts mainly for consumer electronics

n.e.s. - not else specified

Figure D27 Electronic components and ICT parts n.e.s. imports

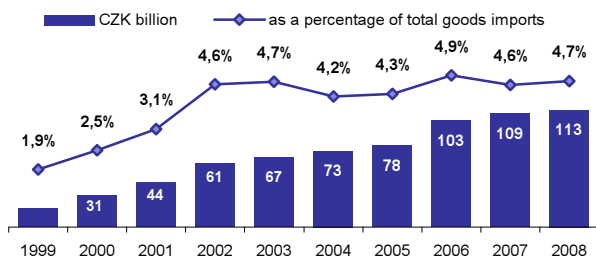
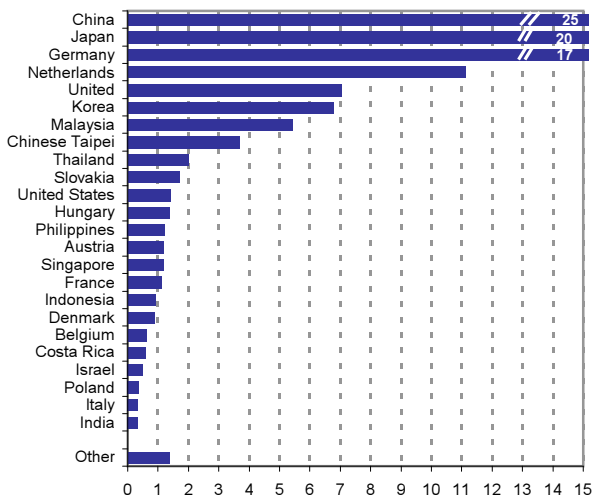


Figure D28 Electronic components and ICT parts n.e.s. imports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, International trade database

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Table D11 ICT services exports from the CR

CZK million

	2006	2007	2008
Total	28 429	23 352	31 024
Telecommunications services	8 526	10 689	9 023
Computer services	19 902	12 663	22 002
To country			
EU27	20 174	16 144	22 003
Germany	8 592	4 767	9 976
Netherlands	3 185	1 896	3 006
Slovakia	1 177	2 104	2 269
United Kingdom	1 288	1 541	1 085
Ireland	1 236	1 405	1 226
Austria	1 117	1 114	1 098
Italy	562	463	304
Cyprus	332	506	523
Poland	442	605	331
France	422	427	297
Sweden	532	253	371
others	1 288	1 064	1 517
United states	1 378	1 731	1 923
Switzerland	588	1 010	1 660
Russian Federation	1 412	1 113	772
not specified	2 178	2 517	3 401
Other	2 699	837	1 265

Figure D29 ICT services exports

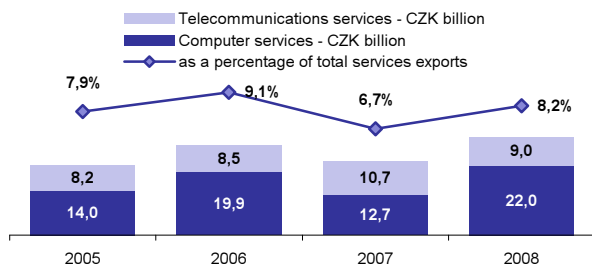
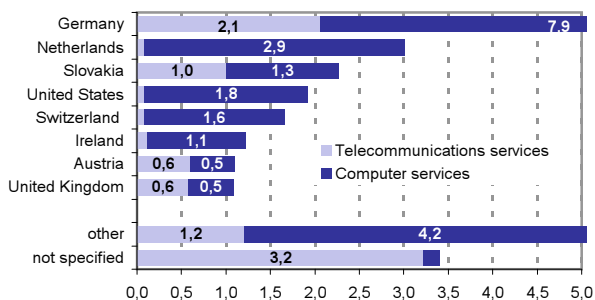


Figure D30 ICT services exports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, ZO 1-04

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Table D12 ICT services imports to the CR

	CZK million		
	2006	2007	2008
Total	19 700	21 511	22 533
Telecommunications services	7 921	8 700	8 313
Computer services	11 779	12 811	14 220
From country			
EU27	15 048	16 769	16 875
Germany	6 791	4 952	6 979
Netherlands	1 341	3 046	1 714
Slovakia	1 144	1 752	1 700
United Kingdom	1 138	1 651	1 276
Ireland	899	1 311	1 232
Austria	905	987	1 038
Italy	429	356	90
Cyprus	112	137	327
Poland	366	516	631
France	488	620	398
Sweden	461	347	620
others	975	1 093	870
United states	1 341	1 068	1 228
Switzerland	630	646	710
Russian Federation	34	287	231
not specified	1 775	2 059	3 032
Other	872	683	458

Figure D31 ICT services imports

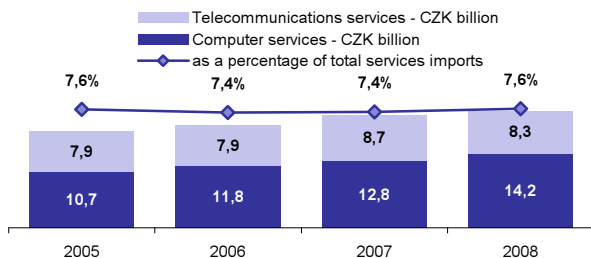
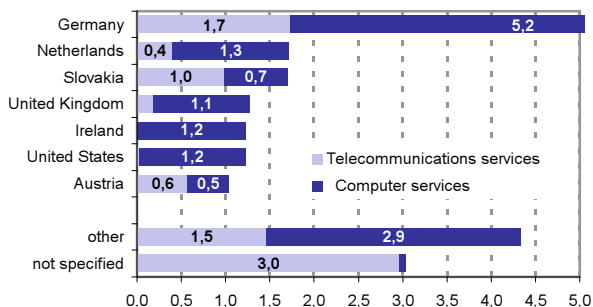


Figure D32 ICT services imports by countries, 2008 (CZK billion)



Source: Czech Statistical Office, ZO 1-04

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Table D13 Telecommunications services exports from the CR

CZK million

	2006	2007	2008
Total	8 526	10 689	9 023
thereof from foreign affiliates	3 548	10 458	8 695
Size class of enterprises			
Small enterprises (0-49)	614	654	984
Medium enterprises (50-249)	554	989	341
Large enterprises (250+)	7 358	9 047	7 698
To country			
Germany	1 930	2 268	2 058
Slovakia	541	1 251	1 000
United Kingdom	730	1 093	580
Austria	438	466	594
Netherlands	498	589	80
United States	119	253	84
Switzerland	266	447	79
Russian Federation	119	221	185
Poland	309	394	143
not specified	2 078	2 399	3 221
Other	1 500	1 308	998

Figure D33 Telecommunications services exports

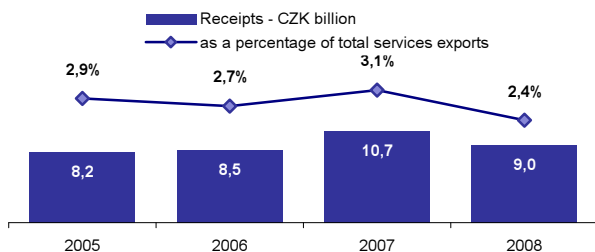
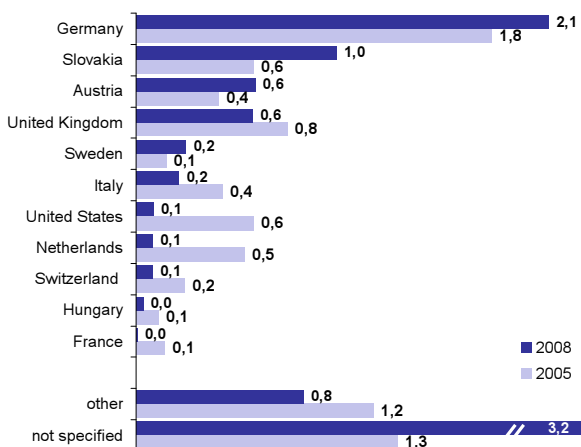


Figure D34 Telecommunications services exports (CZK billion)



Source: Czech Statistical Office, ZO 1-04

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Table D14 Telecommunications services imports to the CR

CZK million

	2006	2007	2008
Total	7 921	8 700	8 313
thereof to foreign affiliates	2 903	8 612	8 245
Size class of enterprises			
Small enterprises (0-49)	390	321	451
Medium enterprises (50-249)	553	488	219
Large enterprises (250+)	6 977	7 890	7 643
From country			
Germany	1 617	1 435	1 739
Slovakia	882	1 388	985
United Kingdom	246	258	187
Austria	581	616	569
Netherlands	411	584	396
United States	137	253	19
Switzerland	222	216	234
Russian Federation	28	54	13
Poland	291	388	552
not specified	1 734	1 952	2 962
Other	1 771	1 556	656

Figure D35 Telecommunications services imports

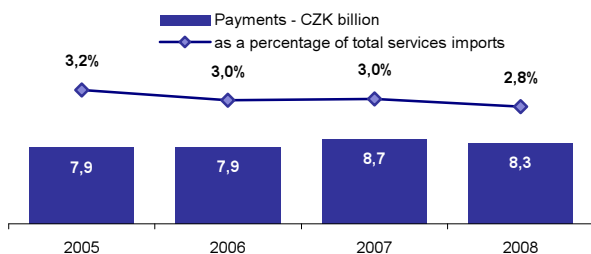
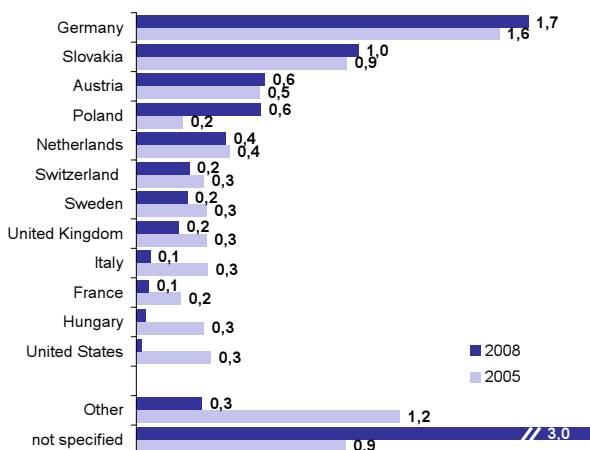


Figure D36 Telecommunications services imports (CZK billion)



Source: Czech Statistical Office, ZO 1-04

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Table D15 Computer services exports from the CR

CZK million

	2006	2007	2008
Total	19 902	12 663	22 002
thereof from foreign affiliates	18 217	10 687	19 013
Size class of enterprises			
Small enterprises (0-49)	882	1 434	2 397
Medium enterprises (50-249)	6 100	4 982	5 119
Large enterprises (250+)	12 920	6 247	14 486
To country			
Germany	6 662	2 499	7 918
Slovakia	636	854	1 269
United Kingdom	558	448	505
Austria	679	647	504
Netherlands	2 688	1 306	2 926
United States	1 259	1 478	1 839
Switzerland	322	562	1 581
Russian Federation	1 293	893	587
Ireland	1 218	1 298	1 113
not specified	100	119	180
Other	4 487	2 558	3 579

Figure D37 Computer services exports

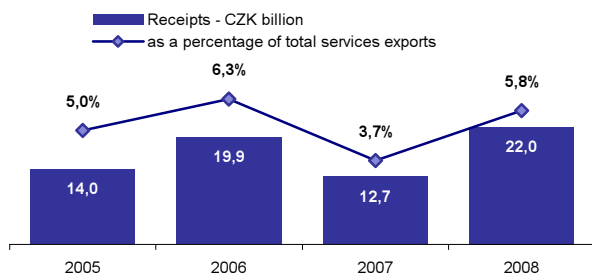
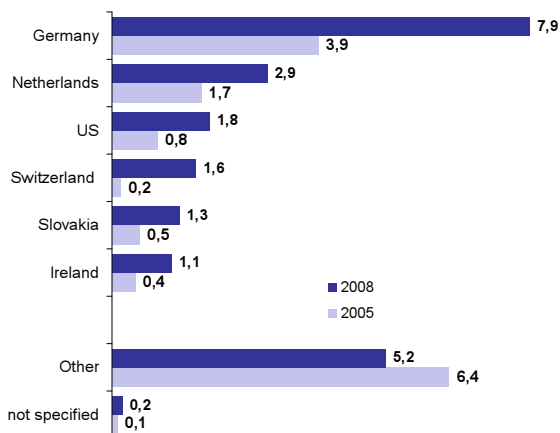


Figure D38 Computer services exports by countries (CZK bill)



Source: Czech Statistical Office, ZO 1-04

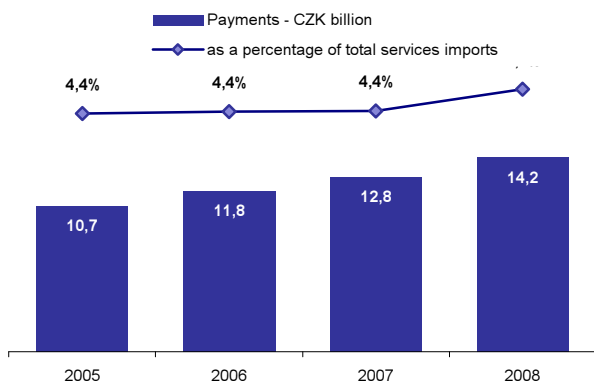
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Table D16 Computer services imports to the CR

CZK million

	2006	2007	2008
Total	11 779	12 811	14 220
thereof to foreign affiliates	10 545	11 940	12 871
Size class of enterprises			
Small enterprises (0-49)	1 122	1 891	1 903
Medium enterprises (50-249)	2 261	2 658	2 452
Large enterprises (250+)	8 396	8 262	9 865
Industry (CZ-NACE)			
Manufacturing, total	2 329	2 825	2 766
Food and Beverages industry	222	265	238
Rubber and Plastic industry	44	45	143
Engineering industry	185	220	213
Electrical industry	233	296	295
ICT manufacturing	189	557	338
Automotive industry	881	792	931
Other manufacturing	576	651	608
Wholesale and retail trade	2 122	2 244	3 044
Transport and storage	259	185	219
Telecommunications	426	493	524
Computer and related activities	6 169	5 884	6 924
Other business activities	354	1 020	488
Other industries	119	160	255
From country			
Germany	5 174	3 517	5 240
Slovakia	262	363	716
United States	892	1 393	1 089
Austria	324	371	468
Netherlands	930	2 463	1 318
United States	1 204	815	1 209
Switzerland	407	431	476
Russian federation	6	233	218
Ireland	894	1 298	1 230
not specified	42	107	69
Other	1 645	1 821	2 188

Figure D39 Computer services imports



Source: Czech Statistical Office, ZO 1-04

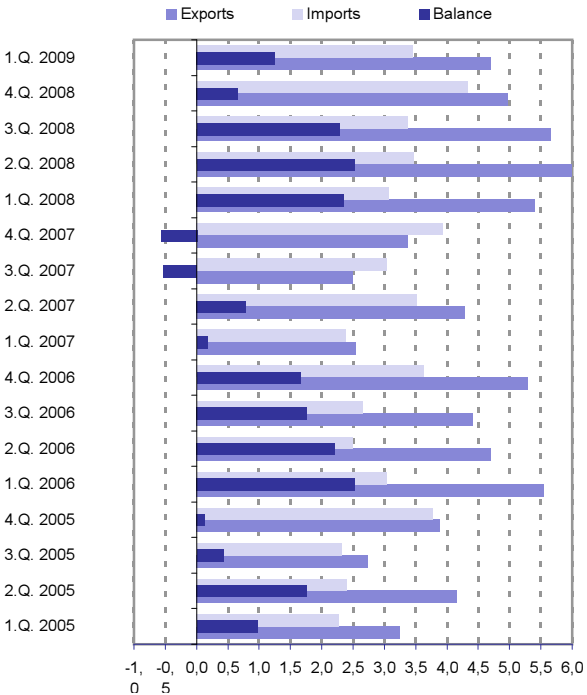
D ICT International Trade

Table D17 International trade in computer services in the CR

CZK million

Year/quarter	Exports	Imports	Balance
2005 - I. quarter	3 232	2 263	969
2005 - II. quarter	4 145	2 388	1 757
2005 - III. quarter	2 727	2 310	418
2005 - IV. quarter	3 884	3 756	128
2005 - I.-IV. quarter	13 989	10 717	3 272
2006 - I. quarter	5 535	3 018	2 517
2006 - II. quarter	4 689	2 484	2 204
2006 - III. quarter	4 402	2 648	1 755
2006 - IV. quarter	5 276	3 630	1 647
2006 - I.-IV. quarter	19 902	11 779	8 123
2007 - I. quarter	2 535	2 368	167
2007 - II. quarter	4 279	3 499	779
2007 - III. quarter	2 493	3 018	-525
2007 - IV. quarter	3 357	3 926	-570
2007 - I.-IV. quarter	12 663	12 811	-148
2008 - I. quarter	5 398	3 054	2 344
2008 - II. quarter	5 978	3 467	2 511
2008 - III. quarter	5 654	3 375	2 279
2008 - IV. quarter	4 971	4 324	648
2008 - I.-IV. quarter	22 002	14 220	7 782
2009 - I. quarter	4 686	3 446	1 241

Figure D40 International trade in computer services (CZK bill)



Source: Czech Statistical Office, ZO 1-04