

## EXPORTS OF ICT GOODS

Information and communication (ICT) goods have been among the most dynamic components of international trade over the last decade.

### Definition

Exports in ICT goods data are calculated using the World Customs Organisation's *Harmonised System* (HS).

A definition of ICT products (including ICT goods) was designed by the OECD to facilitate the construction of internationally comparable indicators on ICT consumption, investment, trade and production.

The first definition of ICT goods was established in 2003, based on a list of 6-digit items according to the HS 1996 and HS 2002. The second definition of ICT products was adopted in 2008, based on the then newly released second revision of the *Central Product Classification* (CPC rev. 2). The new definition includes ICT goods, ICT services and the first content and media product classification. The scope of the 2008 definition is narrower than the 2003 definition.

The 2008 definition is based on principles which emphasise the intended use or functionality of products. The guiding principles for the delineation of the ICT sector led to a definition of ICT goods as follows:

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.

The result is an ICT goods definition which consists in the selection of 95 items from the HS 2007.

### Overview

The global financial crisis significantly disturbed trade worldwide, however recent figures on ICT goods exports shows significant signs of recovery. Exports of ICT goods by all OECD countries and the non-OECD countries listed reached about USD 1.25 trillion in 2011. During the global financial crisis, ICT goods experienced a similar situation to that of the dotcom bubble, following which ICTs recovered and grew strongly, for instance the exports of ICT goods grew 26% in the last two years.

The leading OECD exporters of ICT goods are the United States, Korea, Japan, Germany and the Netherlands. China is the world's largest player. In 2003, China overtook the United States in ICT goods exports. The OECD exporters mentioned above managed to develop their leading position in the export of communications equipment over the previous decade.

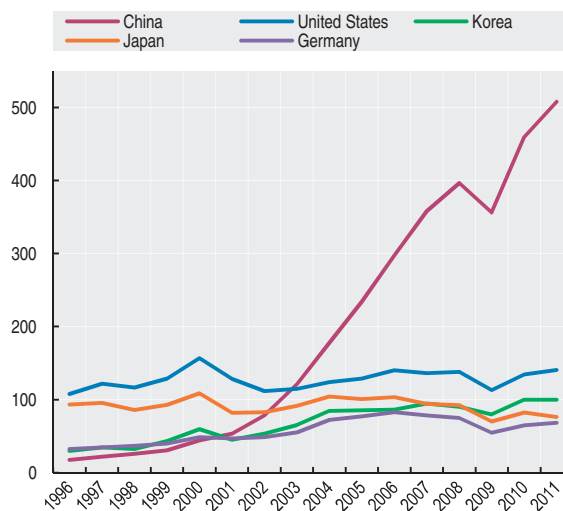
### Comparability

It is difficult to compare values of the OECD ICT goods trade for 2007 and following years with those for earlier years owing to the new HS classification adopted in 2007, which differs radically from earlier revisions. The OECD developed a correspondence between the HS 1996, HS 2002 and the HS 2007 for ICT goods.

Adjustment efforts were required to quantify and correct the impact of Missing Trader Intra-Community (MTIC) VAT Fraud from the mid-2000s, which mainly affected the movements of ICT goods within the EU. Trade data for China are not corrected for re-exports.

### Exports of ICT goods

Billion US dollars



StatLink <http://dx.doi.org/10.1787/888932709130>

### Sources

- OECD (2012), *International Trade by Commodity Statistics*, OECD Publishing.

### Further information

#### Analytical publications

- OECD (2012), *OECD Science, Technology and Industry Working Papers*, OECD Publishing.
- OECD (2011), *OECD Communications Outlook*, OECD Publishing.
- OECD (2010), *OECD Information Technology Outlook*, OECD Publishing.

#### Methodological publications

- OECD (2011), *OECD Guide to Measuring the Information Society 2011*, OECD Publishing.

### Websites

- OECD Key ICT indicators, [www.oecd.org/sti/ictindicators](http://www.oecd.org/sti/ictindicators).

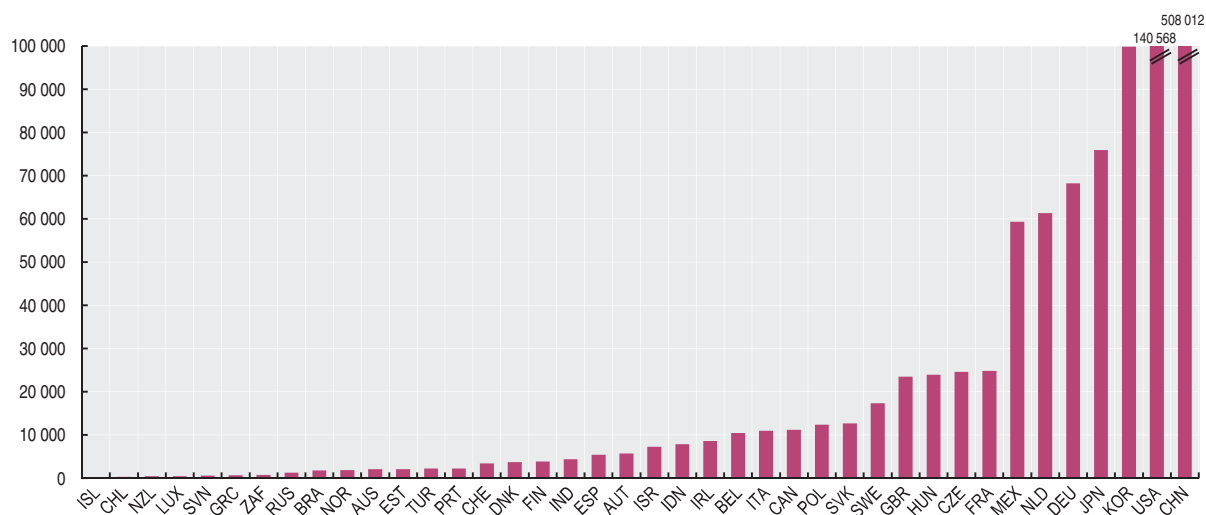

**Exports of ICT goods**

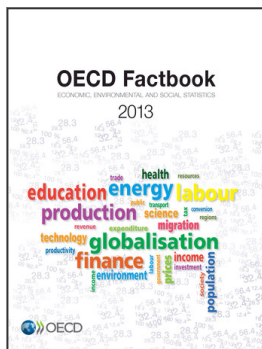
Million US dollars

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Australia	1 562	1 727	1 619	1 372	1 571	1 713	1 781	1 788	1 918	2 076	1 646	1 992	2 043
Austria	3 176	3 941	4 006	4 533	5 002	5 908	6 467	6 710	7 315	7 469	5 272	5 720	..
Belgium	8 963	10 825	11 453	9 734	11 591	12 527	13 458	12 300	11 602	12 388	9 296	9 609	10 417
Canada	14 317	20 967	13 094	10 163	10 052	11 845	13 990	14 878	15 065	14 129	10 944	10 687	11 186
Chile	31	30	33	36	32	33	44	52	76	300	300	264	293
Czech Republic	752	1 334	2 582	4 148	5 207	7 907	8 668	12 330	16 806	20 614	16 305	19 835	24 593
Denmark	3 385	3 654	3 470	4 692	4 282	4 662	5 783	5 248	4 746	3 921	3 164	3 516	3 686
Estonia	408	967	853	579	820	1 126	1 405	1 310	730	743	494	1 006	2 074
Finland	8 499	10 781	8 526	8 944	10 026	10 412	13 238	13 243	13 994	14 421	6 745	4 463	3 875
France	29 015	31 939	26 310	23 629	23 277	26 864	27 331	31 584	26 140	25 342	19 762	22 584	24 814
Germany	39 677	48 717	46 634	48 601	55 200	72 250	77 168	82 809	78 319	74 643	54 743	64 652	68 219
Greece	280	466	347	338	389	511	490	629	562	667	496	542	638
Hungary	5 521	7 231	7 244	8 804	10 899	15 694	15 944	17 841	21 301	24 522	21 465	24 218	23 913
Iceland	1	2	2	2	3	2	3	5	7	9	3	3	4
Ireland	25 589	27 697	31 638	27 430	22 524	23 482	24 675	24 140	22 780	19 989	12 802	8 866	8 596
Israel	4 745	6 668	5 842	4 367	4 228	5 133	3 210	3 527	..	6 299	7 854	7 178	7 247
Italy	9 712	10 675	10 612	9 239	9 851	11 455	11 581	11 376	11 142	10 529	8 210	9 626	10 959
Japan	92 974	108 795	81 953	82 922	91 436	104 335	100 814	103 139	94 022	92 513	70 164	82 141	75 968
Korea	43 453	59 426	44 871	53 500	65 323	84 555	85 314	86 167	94 694	90 337	79 508	99 813	99 857
Luxembourg	707	889	1 179	945	720	859	998	840	757	526	402	399	452
Mexico	27 472	34 771	34 943	33 345	31 845	37 003	38 533	46 916	48 149	56 897	49 764	60 159	59 368
Netherlands	33 805	38 160	34 286	28 578	42 666	53 615	58 717	62 308	67 738	63 156	53 342	61 367	61 367
New Zealand	148	158	141	152	284	351	369	374	414	402	348	372	446
Norway	1 149	1 104	1 165	952	1 015	1 169	1 268	1 471	1 670	2 116	1 771	1 864	..
Poland	1 162	1 290	1 619	1 980	2 339	2 819	3 558	5 519	7 858	11 949	12 808	15 119	12 361
Portugal	1 472	1 492	1 701	1 711	2 364	2 545	2 972	3 673	4 041	3 843	1 758	1 941	2 254
Slovak Republic	354	388	487	492	852	1 698	2 991	5 267	8 454	11 823	11 574	12 245	12 633
Slovenia	130	169	204	220	251	275	229	291	384	618	520	528	556
Spain	5 367	5 355	5 270	5 000	6 523	7 014	7 197	7 347	6 688	6 820	4 883	5 395	..
Sweden	14 079	15 487	8 485	9 228	10 153	13 640	14 613	15 115	14 533	15 830	11 788	15 477	17 318
Switzerland	2 816	3 080	2 680	1 910	2 204	2 595	3 408	3 015	3 034	3 366	2 746	3 214	3 442
Turkey	840	1 024	1 056	1 603	1 988	2 933	3 227	3 178	2 884	2 407	2 033	2 094	2 236
United Kingdom	44 529	50 419	47 999	46 747	37 280	37 736	42 777	50 761	29 491	27 710	23 400	24 233	23 503
United States	128 678	156 670	128 513	111 448	114 860	124 097	128 943	140 314	136 219	138 001	113 157	134 549	140 568
EU 27	..	..	..	..	..	..	..	..	..	..	..	..	..
OECD	554 359	665 331	569 962	546 763	586 237	687 636	719 756	774 156	706 855	761 545	619 467	715 671	727 865
Brazil	1 243	2 232	2 329	2 178	2 106	2 013	3 701	3 969	2 975	3 139	2 320	1 985	1 792
China	30 522	44 135	53 221	78 243	121 365	177 742	234 086	297 653	357 974	396 424	356 301	459 522	508 012
India	501	714	858	781	957	1 082	1 113	1 344	..	..	6 099	4 404	4 404
Indonesia	3 069	7 573	6 095	6 301	5 687	6 527	6 944	6 138	6 025	6 517	6 921	7 862	7 845
Russian Federation	441	411	284	311	324	451	423	771	778	784	838	926	1 227
South Africa	432	417	442	390	462	578	587	745	846	805	677	695	763

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**Exports of ICT goods**

Million US dollars, 2011


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