

Appendix 5E. Government and industry statistics on national arms exports

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Publicly available government and industry statistics on the value of national arms exports are listed in table 5E. These data are included here for four reasons: (a) to make them more accessible; (b) to illustrate the current state of government transparency in arms export data; (c) to underline the fact that arms export data from different countries are only partially comparable; and (d) to provide a rough indication of the financial scale of arms exports.

Caution should be exercised when using the data in table 5E for detailed analysis. Only some of the statistics are fully explained, definitions are not consistent from country to country, and the reports give different definitions for what is included in the category 'arms'. Some countries release figures only on arms exports, while others aggregate exports of arms and dual-use equipment. Some release data on the value of items *delivered*, others on the value of items *approved* for export, some on both. In some countries different reports present different national arms export data. To underline this last type of inconsistency, all relevant data are included in the table. No attempt has been made to compensate for any of these comparability problems or possible lack of reliability.

Despite these methodological reservations, in the absence of good alternatives the values are considered useful as a rough estimate of the financial scale of arms exports. Such an estimate cannot be derived from the SIPRI arms transfer trend-indicator values, as these represent the volume of international arms transfers and not actual financial values (see appendix 5D).

The table is not comprehensive and there are other countries, such as China, whose exports would be larger than those of some of the countries listed in the table. However, SIPRI estimates that the countries in the table together account for 94 per cent of the total volume of deliveries of major conventional weapons in 2000, and it can be assumed that these countries together account for a similarly high percentage of total arms exports in financial terms.

Table 5E is based on publications of governments and arms industry associations, well-documented reports on government statements, and government and arms industry association replies to SIPRI's requests for information. Comments are worded as closely as possible to the details given in the documents cited. If the comment does not specify whether the values refer to permits or deliveries, it is because this distinction is not specified in the original source. Sources refer to the last year reported for each country. Sources for previous years are given in previous editions of the SIPRI Yearbook. The 1999 US dollar series is calculated on the basis of the exchange rates on 31 December 1999.¹ SIPRI collects hyperlinks to Internet sites containing official arms export data, which in several cases include data disaggregated by recipients and category.²

¹ As compiled by OANDA Corporation, available at URL <<http://www.oanda.com>>.

² These links are listed at URL <<http://www.sipri.se/projects/armstrade/atlinks.html>>.

Table 5E. Government and industry data on national arms exports, 1995–99

Country	Currency unit (current prices)	1995	1996	1997	1998	1999	1999 (US \$m.)	Explanation of data ^a
Australia	m. A. dollars	39.2	435.2	19	14	..	..	Value of shipments of military goods (fiscal years) ^b
Austria	m. euros	..	..	..	..	395	397	Value of licences for arms exports ^c
Belgium	m. B. francs	8 230	8 180	7 460	12 537	9 536	238	Value of exports of arms and ammunition ^d
	m. euros	..	..	..	649.7	622	625	Value of licences for arms exports
Brazil	m. US dollars	12.4	8.7	26	70	..	98	Value of arms exports ^e
Canada	m. C. dollars	447.3	464.8	304.3	421.4	434	299	Value of shipments of military goods, excluding exports to the USA ^f
Industry	m. C. dollars	..	798	..	851	..	..	Defence revenues from markets outside Canada and the USA ^g
Industry	m. C. dollars	..	996	..	1 010	..	..	Defence revenues from US market ^g
Czech Rep.	m. US dollars	154	117	182	104	101	101	Value of arms exports ^h
Finland	m. F. markkaa	132	69	81.5	184	239	40	Value of exports of defence matériel ⁱ
France	m. francs	10 900	18 600	..	..	..	..	Value of exports of defence equipment ^j
	m. francs	18 987	29 380	43 260	41 178	24 807	3 800	Value of deliveries of defence equipment and associated services ^k
	m. francs	33 891	19 532	30 284	49 878	30 472	4 668	Value of export orders for defence equipment and associated services ^k
	m. francs	..	..	..	..	150	23	Value of paid transfers of war matériel by the Ministry of Defence ^k
	m. francs	19 500	29 700	43 300	41 200	..	..	Value of deliveries of defence equipment/ Value of export orders for defence equipment ^m
Germany	m. francs	34 400	19 600	30 200	50 000	30 000	4 595	Value of export orders for weapons of war ⁿ
	m. D. marks	1 982	1 006	1 384	1 338	2 800	1 458.3	Value of licences for arms exports
	m. euros	..	..	..	2 829	3 026	3 040	Value of arms exports
Greece	m. euros	..	..	..	..	43	43	Value of arms exports
India	m. rupees	960	1 430	1 860	1 372	..	..	Value of exports by defence public-sector undertakings and ordnance factories (fiscal years) ^o
Ireland	m. euros	..	..	..	20	60	60	Value of arms exports

Country	Currency unit (current prices)	1995	1996	1997	1998	1999	1999 (US \$m.)	Explanation of data ^a
Israel	m. US dollars	1 369	1 466	1 654	1 879	1 606	1 606	Value of shipments of military goods ^p
	m. US dollars	1 247	1 331	1 521	1 652	1 697	1 697	Value of defence exports ^q
Italy	b. lire	1 228	1 196	2 065	1 944	1 715	890	Value of deliveries of military equipment ^r
	b. lire	1 559	2 165	1 726	1 838	2 596	1 347	Value of export licences for military equipment ^r
Korea, South	m. US dollars	67.9	31.9	69.4	..	..	..	Value of defence industrial product exports ^s
	m. US dollars	..	45	58	147	197	197	Value of arms exports ^t
Netherlands	m. guilders	1 029	922	2 438	952	807	368	Value of export licences for military goods ^u
Industry	m. guilders	900	1 600	1 900	..	..	..	Value of exports as reported by defence industry ^v
Norway	m. kroner	..	985	1 060	1 135	1 300	162	Value of actual deliveries of defence matériel ^w
Pakistan	m. US dollars	..	..	..	..	30	30	Value of arms exports ^t
Portugal	m. escudos	6 803	4 157	3 205	3 806	2 133	11	Value of exports of defence matériel, equipment, technology ^y
	m. euros	..	..	..	14.7	11	11	Value of arms exports
Romania	m. US dollars	168	77	56	56	67	67	Value of arms exports ^z
Russia	m. US dollars	..	3 900	3 600	2 700	3 400	3 400	Value of exports of military equipment ^{aa}
Slovakia	m. koruny	2 452	2 214	1 277	1 272	2 300	54	Value of exports of military production ^{bb}
Slovenia	m. tolar	966	1 568	2 290	726	..	..	Value of exports of defence equipment ^{cc}
	m. US dollars	..	..	..	5.3	0.7	0.7	Value of arms exports ^{dd}
South Africa	m. rand	855	517	1 324.9	646	1 096	178	Value of export permits issued ^{ee}
Spain	m. pesetas	16 400	19 473	95 128	24 017	23 524	142	Value of exports of defence matériel (excl. dual-use equipment) ^{ff}
	m. pesetas	..	73 995	84 185	76 955	..	..	Value of exports of defence production ^{gg}
Sweden	m. kronor	3 313	3 087	3 101	3 514	3 654	429	Value of actual deliveries of military equipment ^{hh}
	m. kronor	6 543	2 859	5 061	3 273	7 153	839	Value of export permits granted for sales of military equipment ^{hh}
Industry	m. kronor	3 514	4 289	3 667	4 434	3 974	466	Value of foreign sales of military and civil products to military customers ⁱⁱ
Switzerland	m. S. francs	141.2	232.9	294.3	2 12.7	230.5	145	Value of exports of war matériel ^{jj}

Taiwan	m. NT dollars	..	25 500	..	27 400	873	Value of military sales in 2-year periods ^{kk}
Turkey	m. US dollars	..	139	80	84	84	Value of arms exports ^{ll}
Industry	m. US dollars	..	236	..	..	..	Export turnover of defence industries ^{mm}
UK	m. pounds	..	3 359.6	1 968.3	980.5	1 586	Value of deliveries of defence equipment ⁿⁿ
	m. pounds	2 076	3 402	1 968	980	1 585	Value of deliveries of defence equipment ^{oo}
	m. pounds	4 723	6 177	6 030	4 250	6 874	Value of deliveries of defence equipment and items where the official commodity classifications do not distinguish between military and civil aerospace equipment ^{oo}
Ukraine	m. pounds	4 970	5 080	6 049	5 044	8 159	Value of export orders for defence equipment ^{oo}
USA	m. US dollars	..	..	600	..	..	Value of arms exports ^{pp}
	m. dollars	11 940	11 574	13 490	15 881	15 881	Value of deliveries of defence articles and services through the US Government (foreign military sales) in fiscal years ^{qq}
	m. dollars	3 173	1 563	2 045	654	654	Value of deliveries of munitions-controlled items directly from US manufacturers ^{qq}
	m. dollars	8 950	10 300	8 841	11 995	11 995	Value of agreements on sales of defence articles and services through US Government (foreign military sales) in fiscal years ^{qq}
	m. dollars	22 900	23 000	31 800	..	..	Value of arms transfer deliveries ^{rr}
	m. dollars	28 500	38 300	34 000	..	..	Value of arms transfer agreements ^{rr}
	m. dollars	16 000	14 713	16 487	18 351	18 351	Value of arms deliveries ^{ss}
	m. dollars	8 872	11 111	10 024	11 768	11 768	Value of arms transfer agreements ^{ss}

.. = No data available or received.

^a For all the data given in euros except data for Austria (see note b): Conseil – Affaires Generales (Version Provisoire), Brussels, 4 Dec. 2000, Press release Press: 465 - Nr: 13999/00, URL <<http://ue.eu.int/newsroom/main.cfm?LANG=2>>. [Council of the European Union, The Second Annual Report in Conformity with Operative Provision 8 of the European Union Code of Conduct for Arms Exports, Brussels, 4 Dec. 2000], p. 19.

^b Australian Department of Defence, Industry and Procurement Infrastructure Division, *Annual Report: Exports of Defence and Strategic Goods from Australia, 1998/99*, Mar. 2000.

^c *Report on the Export of Arms by the Republic of Austria for the Year 1999*, and Information received from the Embassy of Austria.

^d Belgian Ministry of Foreign Affairs, *Verslag over de wapenuitvoer 1999* [Report on arms exports 1999], July 2000, URL <<http://www.diplobel.org/news/r/latest/laatste.htm>>.

- ^e Information received from the Brazilian Embassy.
- ^f Canadian Department of Foreign Affairs and International Trade, Exports Controls Division, Export and Import Controls Bureau, *Annual Report: Export of Military Goods from Canada*, 1999, Dec. 2000.
- ^g Grover, B., Canadian Defence Industries Association, 'Canadian defence industry 1999: a statistical overview of the Canadian defence industry', Dec. 1999, URL <<http://www.cdia.ca/fullreport.htm>>.
- ^h Information received from the Embassy of the Czech Republic.
- ⁱ Finnish Ministry of Defence, *Second Annual Report According to the EU Code of Conduct on Arms Export: National Report of Finland for 1999*, URL <<http://www.vu.fi/plm/ekvas6.htm>>.
- ^j Assemblée Nationale, Rapport fait au nom de la commission des finances [Report of the Commission of Finance], annexe 40, nr 305, Paris, 9 Oct. 1997, p. 174.
- ^k Ministère de la défense, Rapport au Parlement sur les exportations d'armement de la France en 1999 [Report to Parliament on French arms exports in 1999], Dec. 2000.
- ^l Information from La Délégation Générale pour l'Armement, URL <http://www.defense.gouv.fr/dga/fr/activites/rapport_d_active_1999/1_armement_en_1999/1_industrie_francaise-de_defense/contenu.html>.
- ^m Information from La Délégation Générale pour l'Armement, URL <http://www.defense.gouv.fr/dga/fr/activites/rapport_d_active_1999/1_armement_en_1999/presence_sur_le_marche_international/index.html>.
- ⁿ *Bericht der Bundesregierung über ihre Exportpolitik für konventionelle Rüstungsgüter im Jahr 1999* (Rüstungsexportbericht 1999) [The German report of the Federal Government on its export policy for defence equipment in 1999], Berlin, 20 Sep. 2000.
- ^o Indian Ministry of Defence, *Annual Report 1999/2000*, p. 48.
- ^p Information received from the Foreign Defence Assistance and Defence Exports organization (SIBAT), Ministry of Defence, Israel.
- ^q Israeli Aircraft Industries Ltd (government-owned), URL <<http://www.iai.co.il/dows/dows/Serve/level/English/1.1.1.html>>.
- ^r Camera dei Deputati, *Relazione sulle operazioni autorizzate e svolte per il controllo dell'esportazione, importazione e transito dei materiali di armamento nonché dell'esportazione e del transito dei prodotti ad alta tecnologia (anno 1999)* [Chamber of Deputies, Report on operations authorized and carried out concerning the control of export, import and transit of weapons matériel as well as the export and transit of high-technology products (1999)], 4 Apr. 2000.
- ^s Ministry of National Defense, *South Korean Defence White Paper 1998*, 1999, p. 370.
- ^t The South Korean Defense Ministry, quoted in *Asian Defence Journal*, no. 3 (2000), p. 55.
- ^u Netherlands Ministry of Economic Affairs, *Jaarrapport Nederland wapenexportbeleid 1999* [The Netherlands arms export policy in 1999], URL <[>](http://www.minez.nl/home.asp?page=bhi/handelspolitiek/strateg/).
- ^v Information received from Commissariat for Military Production of the Netherlands Ministry of Economic Affairs.
- ^w Norwegian Ministry of Foreign Affairs, *Ekspert av forsvarsmateriell frå Noreg i 1999* [Arms exports from Norway in 1999], St meld nr 45 (1999–2000), 16 June 2000.
- ^x 'Pakistani Minister Haider: arms, ammunition worth US dollar 30 million exported in 1999', *The Nation* (Islamabad), Foreign Broadcast Information Service, *Daily Report—Near East and South Asia* (FBIS–NES), FBIS–NES–2000–0909, 9 Sep. 2000.
- ^y Portuguese Ministry of Defence, *Anuario Estatístico da Defesa Nacional 1999* [Annual national defence statistics, 1999], Nov. 2000, p. 103.
- ^z Information received from the Embassy of Romania.
- ^{aa} The Russian data on arms exports consist of the official data of the state arms export companies Rosvooruzheniye and Promeksport and estimates for other enterprises that have been granted licences to engage in foreign military–technical cooperation. Rosvooruzheniye was the prime exporter, with an export revenue in 1999 of \$2.84 billion.

Makienko, K., 'Preliminary estimates of Russian performance in military-technical cooperation with foreign states in 2000', Centre for Analysis of Strategies and Technologies (CAST), *Eksport Voorizheniy* (Moscow), Jan./Feb 2001, p. 5. For enterprises known to have been granted licences to engage in foreign military-technical cooperation, see the Internet site of the SIPRI Export Controls Project, URL <http://projects.sipri.se/expcon/natexpcon/Russia/Russian_enterprise_docs/enterprise_exports.htm>.

^{bb} Information received from the Ministry of Economy, Slovak Republic.

^{cc} Information received from the Ministry of Foreign Affairs, Republic of Slovenia.

^{dd} Information from the Slovene Ministry of Defence received through the Slovenian Embassy in Stockholm.

^{ee} Internet site of the National Conventional Arms Control Committee, Republic of South Africa, URL <<http://www.mil.za/SANDEF/DRO/NCACC/ncacc.htm>>.

^{ff} Spanish Ministry of Economy, *Informe sobre las estadísticas españolas de exportación de material de defensa y de doble uso realizadas en 1999* [Information on the Spanish statistics on exports of defence and dual use materiel as archived in 1999].

^{gg} Figures are calculated on the basis of data on the Internet site of the Spanish Ministry of Defence, URL <<http://www.mde.es/mde/infos/indus2/pec.htm>>.

^{hh} Swedish Ministry for Foreign Affairs, *Redogörelse för den svenska exportkontrollpolitiken och exporten av krigsmateriel år 1999* [Swedish export control policy and exports of military equipment in 1999], Regeringens skrivelse 1999/2000:110, 23 Mar. 2000.

ⁱⁱ Information received from The Association of Swedish Defence Industries [Försvarsindustriföreningen, FIF], 13 Nov. 2000.

^{jj} Staatssekretariat für Wirtschaft, 'Ausfuhr von Kriegsmaterial im Jahre 1999' [Exports of war materiel 1999], Pressemitteilung, 4 Feb. 2000.

^{kk} Ministry of National Defense, Republic of China, *2000 National Defense Report*, Taipei, 2000.

^{ll} Information received from the Turkish Ministry of National Defence, Ankara.

^{mm} Information received from the Defense Industry Manufacturers Association, Turkey.

ⁿⁿ British Foreign and Commonwealth Office, Ministry of Defence and Department of Trade and Industry, *Annual Report on Strategic Export Controls 1999*, 21 July 2000, URL <<http://files.fco.gov.uk/npd/annualreport3/fullreport.pdf>>.

^{oo} British Government Statistical Service, *UK Defence Statistics 2000*, URL <<http://www.mod.uk/index.php3?page=1959>>.

^{pp} 'Ukraine increased military equipment exports last year 2.3 fold', Interfax (Moscow), 23 Apr. 1998, in Foreign Broadcast Information Service, *Daily Report—Central Eurasia* (FBIS-SOV), FBIS-SOV-98-113, 23 Apr. 1998.

^{qq} *Foreign Military Sales, Foreign Military Construction Sales and Military Assistance Facts, as of 30 Sep. 1999*, Deputy for Financial Management Comptroller, Department of Defense Security Cooperation Agency, Washington, DC, URL <<http://web.deskbook.osd.mil/appfiles/RLIB0532.XLS>>.

^{rr} US Bureau of Arms Control, *World Military Expenditures and Arms Transfers 1998*, Apr. 2000, URL <http://www.state.gov/www/global/arms/bureau_vc/wmeat98fs.html>.

^{ss} Grimmer, R.F., CRS Report for Congress, *Conventional Arms Transfers to Developing Nations, 1992-1999*, 18 Aug. 2000, pp. 71-74.