

Appendix 12A. The volume of transfers of major conventional weapons: by recipients and suppliers, 1999–2003

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Table 12A.1. The recipients of major conventional weapons, 1999–2003

The list includes all countries/non-state actors with imports of major conventional weapons in the period 1999–2003. Ranking is according to the 1999–2003 aggregate imports. Figures are SIPRI trend-indicator values expressed in US \$m. at constant (1990) prices. Figures may not add up because of the conventions of rounding.

Rank order								
1999–2003	1998–2002 ^a	Recipient	1999	2000	2001	2002	2003	1999–2003
1	1	China	1 539	1 822	3 049	2 842	2 548	11 800
2	3	India	1 043	580	908	1 691	3 621	7 843
3	6	Greece	556	682	697	517	1 957	4 409
4	4	Turkey	1 125	692	372	804	504	3 497
5	10	UK	98	834	1 202	567	555	3 256
6	8	Egypt	490	820	775	646	504	3 235
7	2	Taiwan	1 670	536	411	293	179	3 084
8	7	South Korea	1 162	719	375	300	299	3 855
9	12	Pakistan	788	135	391	600	611	2 525
10	5	Saudi Arabia	1 215	68	74	576	487	2 420
11	13	Australia	331	326	636	616	485	2 394
12	9	Israel	1 202	320	88	267	318	2 195
13	14	UAE	413	243	186	356	922	2 120
14	17	Algeria	459	372	523	228	513	2 095
15	11	Japan	1 028	197	206	154	210	1 795
16	18	Iran	242	294	410	371	323	1 640
17	15	Finland	797	513	10	31	125	1 476
18	19	Canada	47	424	466	351	94	1 382
19	27	USA	103	133	167	364	515	1 282
20	16	Singapore	219	548	167	227	121	1 282
21	26	Italy	8	236	355	323	348	1 270
22	25	Malaysia	787	40	26	110	242	1 205
23	20	Brazil	272	91	539	150	87	1 139
24	24	Spain	314	264	176	215	97	1 066
25	21	Netherlands	294	131	142	255	132	954
26	41	Poland	1	136	68	300	420	925
27	23	Angola	379	118	313	29	–	839
28	29	Yemen	54	158	92	487	30	821
29	39	Indonesia	181	164	38	53	333	769
30	30	Jordan	70	129	174	121	258	752
31	28	Norway	193	269	150	82	–	694
32	31	Argentina	199	184	77	107	127	694

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Rank order								
1999– 2003	1998– 2002 ^a	Recipient	1999	2000	2001	2002	2003	1999–2003
33	35	Thailand	168	86	115	148	163	680
34	22	Switzerland	498	26	47	40	41	652
35	33	Bangladesh	192	222	176	21	0	611
36	42	Chile	179	156	24	56	156	571
37	37	Colombia	38	71	222	111	48	490
38	32	Myanmar (Burma)	118	1	130	198	31	478
39	40	Germany	135	120	107	46	69	477
40	45	Syria	20	420	–	15	15	470
41	50	New Zealand	317	–	45	17	71	450
42	43	Sri Lanka	44	236	123	12	8	423
43	49	Bahrain	–	314	31	58	–	403
44	34	Sweden	121	107	93	47	23	391
45	47	Mexico	32	173	114	21	43	383
46	38	Viet Nam	152	8	72	137	7	376
47	54	Kazakhstan	64	147	31	69	62	373
48	51	Cyprus	242	2	128	–	–	372
49	36	Kuwait	110	135	73	26	21	365
50	52	Morocco	60	124	–	173	–	357
51	44	Denmark	133	64	112	8	7	324
52	57	Venezuela	59	90	84	50	–	283
53	56	France	94	43	–	22	120	273
54	55	Peru	99	–	160	5	–	264
55	58	Eritrea	14	–	60	–	180	254
56	59	Sudan	36	–	146	57	–	239
57	60	Afghanistan/NA ^b	2	20	204	–	–	226
58	48	Ethiopia	75	125	–	20	–	220
59	62	Congo (DRC)	72	75	57	14	–	218
60	61	Macedonia	72	11	133	–	–	216
61	64	North Korea	173	12	22	3	–	210
62	53	Austria	48	25	15	61	55	204
63	65	Oman	–	109	12	61	14	196
64	74	Czech Republic	2	18	27	38	111	196
65	63	Belgium	59	30	33	29	27	178
66	66	Russia	–	–	–	170	–	170
67	46	Qatar	101	12	12	12	10	147
68	67	Libya	–	–	145	0	–	145
69	68	Azerbaijan	–	3	–	140	–	143
70	69	Romania	34	18	22	13	46	133
71	71	Georgia	25	6	80	–	–	111
72	82	Nigeria	–	42	7	5	51	105
73	92	Portugal	2	2	24	–	68	96
74	73	Ireland	30	–	46	18	2	96
75	102	Dominican Republic	3	13	1	–	76	93
76	70	Uganda	39	6	–	22	19	86
77	77	Slovenia	16	–	55	1	14	86
78	72	Hungary	50	14	14	–	–	78
79	80	Croatia	–	–	61	2	–	63
80	81	United Nations ^c	8	51	1	–	–	60

Rank order								
1999– 2003	1998– 2002 ^a	Recipient	1999	2000	2001	2002	2003	1999–2003
81	90	Zimbabwe	24	4	8	–	23	59
82	83	Bahamas	–	54	–	–	–	54
83	101	Latvia	4	3	13	3	29	52
84	95	Afghanistan	–	–	–	31	17	48
85	79	Laos	5	7	34	–	–	46
86	94	South Africa	14	–	17	–	13	44
87	103	Côte d'Ivoire	–	–	–	22	22	44
88	97	Estonia	1	26	–	1	16	44
89	75	Belarus	41	–	–	–	–	41
90	88	Rwanda	26	14	–	–	–	40
91	89	Botswana	–	24	12	1	–	37
92	76	Philippines	–	–	7	19	8	34
93	91	Namibia	–	–	18	11	5	34
94	85	Lithuania	5	4	15	7	–	31
95	96	Slovakia	–	3	–	27	–	30
96	98	Zambia	–	27	–	1	–	28
97	93	Serbia and Montenegro	–	–	27	–	–	27
98	86	Tunisia	9	–	11	7	–	27
99	100	Bosnia and Herzegovina	25	–	–	–	–	25
100	87	Uruguay	9	4	–	11	–	24
101	99	Guinea	–	19	5	–	–	24
102	84	Ecuador	19	4	–	1	–	24
103	105	Nepal	–	–	10	8	5	23
104	78	NATO ^c	–	–	22	–	–	22
105	107	Ghana	7	1	8	1	–	17
106	106	Chad	–	–	15	–	–	15
107	109	Sierra Leone	13	–	–	–	–	13
108	108	Trinidad and Tobago	–	11	1	–	–	12
109	115	Uzbekistan	–	–	5	5	–	10
110	121	Paraguay	–	–	6	–	4	10
111	112	Mauritania	–	9	–	–	–	9
112	118	Liberia	1	8	–	–	–	9
113	142	Kyrgyzstan	–	–	–	–	9	9
114	119	Suriname	8	–	–	–	–	8
115	113	Mali	–	7	–	1	–	8
116	110	Lebanon	4	4	–	–	–	8
117	120	Equatorial Guinea	–	–	8	–	–	8
118	123	Bulgaria	6	–	–	–	2	8
119	107	Brunei	5	–	3	–	–	8
120	114	Lesotho	–	–	6	–	–	6
121	122	Guyana	–	–	6	–	–	6
212	142	Benin	–	–	–	–	6	6
123	116	Jamaica	5	–	–	–	–	5
124	111	Cameroon	–	–	1	3	–	4
125	126	Djibouti	–	–	1	2	–	3
126	127	Swaziland	–	1	1	–	–	2
127	132	Luxembourg	1	–	–	–	1	2
128	128	Congo (Rep.)	2	–	–	–	–	2

Rank order								
1999– 2003	1998– 2002 ^a	Recipient	1999	2000	2001	2002	2003	1999–2003
129	129	Armenia	2	–	–	–	–	2
130	124	Albania	–	–	–	1	1	2
131	130	Somalia	1	–	–	–	–	1
132	117	Cape Verde	–	1	–	–	–	1
133	134	Bolivia	–	1	–	–	–	1
134	135	Burundi	–	–	1	–	–	1
135	136	Sri Lanka/LTTE	–	–	–	–	–	–
136	137	FYROM/NLA ^b	–	–	–	–	–	–
137	138	Lebanon/Hizbollah ^b	–	–	–	–	–	–
138	125	El Salvador	–	–	–	–	–	–
139	131	Northern Cyprus	–	–	–	–	–	–
140	139	Malta	–	–	–	–	–	–
141	140	Mozambique	–	–	–	–	–	–
142	133	Guatemala	–	–	–	–	–	–
..	..	Unknown countries ^d	5	–	22	–	–	27
Total			21 257	15 549	16 611	16 143	18 680	88 240

.. = not available or not applicable.

– = between 0 and 0.5.

^a The rank order for recipients in 1998–2002 differs from that published in the *SIPRI Yearbook 2003* (pp. 466–69) because of subsequent revision of figures for these years.

^b Non-state actor/rebel group. NA = Northern Alliance (UFSA, United Islamic Front for the Salvation of Afghanistan); NLA = National Liberation Army; LTTE = Liberation Tigers of Tamil Eelam.

^c Non-state actor/international organization.

^d One or more unknown recipients(s).

The SIPRI data on arms transfers relate to actual deliveries of major conventional weapons. To permit comparison between the data on such deliveries of different weapons and identification of general trends, SIPRI uses a *trend-indicator value*. The SIPRI values are only an indicator of the volume of international arms transfers and not the actual money values of such transfers. Thus they are not comparable to economic statistics such as gross domestic product or export–import figures.

Source: SIPRI arms transfers database.

Table 12A.2. The suppliers of major conventional weapons, 1999–2003

The list includes all countries/non-state actors with exports of major conventional weapons in the period 1999–2003. Ranking is according to the 1999–2003 aggregate exports. Figures are SIPRI trend-indicator values expressed in US \$m. at constant (1990) prices. Figures may not add up because of the conventions of rounding.

Rank order								
1999–2003	1998–2002 ^a	Supplier	1999	2000	2001	2002	2003	1999–2003
1	1	USA	9 977	6 071	4 887	4 279	4 385	29 599
2	2	Russia	3731	4003	5 521	5 963	6 980	26 198
3	3	France	1457	743	1 095	1 324	1 753	6 372
4	4	Germany	1 282	1 261	575	573	1 549	5 240
5	5	UK	967	1 105	968	639	525	4 204
6	6	Ukraine	770	327	631	233	234	2 195
7	7	Italy	426	174	260	511	277	1 648
8	9	China	207	160	347	410	404	1 528
9	8	Netherlands	318	195	188	257	268	1 226
10	13	Canada	130	102	80	316	556	1 184
11	11	Sweden	150	280	432	123	186	1 171
12	10	Belarus	481	261	299	54	60	1 155
13	12	Israel	96	270	232	280	212	1 090
14	25	Uzbekistan	–	–	–	170	510	680
15	16	Norway	6	33	127	203	150	519
16	15	Australia	298	–	42	30	30	400
17	14	Slovakia	141	83	100	47	–	371
18	17	Czech Republic	65	81	90	70	48	354
19	21	Poland	67	43	93	43	89	335
20	19	Georgia	72	54	54	120	–	300
21	18	Spain	29	51	8	57	124	269
22	22	South Korea	–	6	198	–	36	240
23	20	Bulgaria	164	4	4	42	18	232
24	23	Kazakhstan	180	16	9	–	–	205
25	24	Austria	2	26	22	124	2	176
26	27	Indonesia	60	–	20	70	20	170
27	26	Switzerland	41	44	36	11	35	167
28	31	Turkey	43	21	2	29	61	156
29	28	Belgium	27	2	72	14	6	121
30	29	South Africa	17	19	31	29	23	119
31	30	North Korea	–	–	64	32	–	96
32	60	Kyrgyzstan	–	–	–	–	76	76
33	33	Finland	13	9	12	14	10	58
34	35	Lebanon	–	–	45	–	–	45
35	38	Romania	19	3	–	–	22	44
36	43	Libya	–	–	–	11	23	34
37	39	Denmark	–	18	–	5	3	26
38	37	Egypt	–	–	25	–	–	25
39	36	Brazil	–	–	–	18	–	18
40	41	India	–	16	1	–	–	17
41	42	Pakistan	–	3	–	8	–	11
42	40	Greece	1	–	9	–	–	10

Rank order								
1999– 2003	1998– 2002 ^a	Supplier	1999	2000	2001	2002	2003	1999–2003
43	44	Qatar	9	–	–	–	–	9
44	45	Peru	–	–	4	5	–	9
45	16	Moldova	–	3	5	–	–	8
46	47	Malaysia	8	–	–	–	–	8
47	48	Serbia and Montenegro	–	–	7	–	–	7
48	49	Taiwan	–	–	6	–	–	6
49	59	Thailand	–	–	–	–	5	5
50	51	Argentina	–	2	3	–	–	5
51	34	Singapore	–	1	–	2	–	3
52	52	Lithuania	–	–	–	3	–	3
53	50	Chile	1	1	–	1	–	3
54	53	Croatia	–	2	–	–	–	2
55	54	Bosnia and Herzegovina	–	–	–	2	–	2
55	55	Bahrain	–	–	2	–	–	2
57	56	Uruguay	–	1	–	–	–	1
58	57	Malawi	–	1	–	–	–	1
59	58	Angola	–	–	–	1	–	1
60	32	Kuwait	–	–	–	–	–	–
61	61	Ireland	–	–	–	–	–	–
62	62	Iran	–	–	–	–	–	–
63	63	Eritrea	–	–	–	–	–	–
..	..	Unknown countries ^b	2	54	5	20	–	81
		Total	21 257	15 549	16 611	16 143	18 680	88 240

.. = not available or not applicable.

– = between 0 and 0.5.

^a The rank order for suppliers in 1998–2002 differs from that published in the *SIPRI Yearbook 2003* (pp. 470–71) because of subsequent revision of figures for these years.

^b One or more unknown supplier(s).

The SIPRI data on arms transfers relate to actual deliveries of major conventional weapons. To permit comparison between the data on such deliveries of different weapons and identification of general trends, SIPRI uses a *trend-indicator value*. This is an indicator of the volume of international arms transfers and not the actual money values of such transfers. They are thus not comparable to economic statistics such as gross domestic product or export–import figures.

Source: SIPRI arms transfers database.

Appendix 12B. Register of the trade in and licensed production of major conventional weapons, 2003

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The register in table 12B.1 lists major weapons on order or under delivery, or for which the licence was bought and production was under way or completed during 2003. Sources and methods for data collection are explained in appendix 12C. Entries in table 12B.1 are alphabetical, by recipient, supplier and licensor. 'Year(s) of deliveries' includes aggregates of all deliveries and licensed production since the beginning of the contract. 'Deal worth' values in the Comments column refer to real monetary values as reported in sources and not to SIPRI trend-indicator values. Conventions, abbreviations and acronyms are explained below the table. The data presented are as of March 2003. For current or previous years' data and for registers of suppliers, contact the SIPRI Arms Transfers Project via URL <<http://projects.sipri.se/armstrade/atrequest.html>>.

Table 12B.1. Register of transfers and licensed production of major conventional weapons, 2003, by recipients

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Afghanistan S: Russia	(10)	Mi-8T/Hip-C	Helicopter	(2002)	2002–2003	(10)	Ex-Russian; aid; status uncertain
Albania S: Italy	7 7	Bell-205/UH-1D Bell-206/OH-58	Helicopter Light helicopter	(2002) (2002)	2002–2003	.. (7)	Ex-Italian; aid; AB-205 version; delivery 2004 Ex-Italian; aid; AB-206C-1 version

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Algeria							
S: Belarus	28	MiG-29S/Fulcrum-C	FGA aircraft	(1998)	1999-2003	(28)	Ex-Belarusian; part of deal incl 8 MiG-29UB version delivered from Russia via Belarus
Czech Republic	17	L-39Z Albatros	Jet trainer aircraft	2001	2002-2003	(17)	Deal worth \$30 m; L-39ZA version
Russia	42	Mi-8/Mi-17/Hip-H	Helicopter	2002	2002-2003	(42)	Deal worth \$180 m; Mi-171 Sh armed version
	22	Su-24MK/Fencer-D	Bomber aircraft	2000	2001-2003	(20)	Ex-Russian; deal worth \$120 m; probably modernized before delivery; delivery 2001-2005
	3	Drum Tilt	Fire control radar	(1997)	2000	1	For modernization of 3 Koni Class frigates
	3	Plank Shave	Air surv radar	(1997)	2000	1	For modernization of 3 Nanuchka Class corvettes
	6	Pozitiv-ME1.2	Air/sea surv radar	(1997)	2000	2	For modernization of 3 Koni Class frigates and 3 Nanuchka (Hamidou) Class corvettes
	(96)	SS-N-25/Kh-35 Uran	Anti-ship missile	1998	2000-2003	(48)	For modernized Nanuchka Class corvettes
	(24)	TEST-71 533mm	AS/ASW torpedo	(1997)	2000-2003	(16)	For modernized Koni Class frigates; design uncertain
Spain	6	C-295M	Transport aircraft	2003		..	
	4	C-295MPA	ASW/MP aircraft	2003		..	
Angola							
S: Peru	6	EMB-312 Tucano	Trainer aircraft	2002		..	Ex-Peruvian; deal worth \$4.8 m; status uncertain
Argentina							
S: Netherlands	6	DA-05	Air surv radar	(1979)	1985-2003	6	For 6 MEKO-140 Type (Espora Class) frigates
	6	WM-28	Fire control radar	(1979)	1985-2003	6	For 6 MEKO-140 Type (Espora Class) frigates
USA	(216)	AIM-9L Sidewinder	SRAAM	(2001)	2002-2003	(216)	For A-4AR FGA aircraft
L: Germany	6	MEKO-140 Type	Frigate	1979	1985-2003	6	Argentine design Espora Class; delivery of last 2 delayed for lack of funding until 2000-2003

Australia S: Canada	69	Piranha 8x8	APC	1998	2002–2003	(40)	*Project Land-112 Phase-3' or 'ASLAV programme Phase-3', worth \$180–210 m incl 81 IFV version; incl 7 ambulance, 11 ARV, 14 CP, 15 radar reconnaissance and 11 repair version; Australian desig ASLAV-PC/R/A/C/S/F; assembled in Australia; delivery 2002–2005
	81	Piranha/LAV-25	IFV	1998	2003	(30)	*Project Land-112 Phase-3' or 'ASLAV programme Phase-3', worth \$180–210 m incl 69 APC version; Australian desig ASLAV-25; assembled in Australia; delivery 2003–2005
France	22	AS-665 Tiger	Combat helicopter	2001		..	*Project Air-87' worth \$670 m (offsets incl production of components and production of EC-120 helicopter for Asian market); Aussie Tiger version; incl 4 from France and 18 assembled in Australia; delivery 2004–2007
Germany	259	Waran	APC	2002		..	*Project Land-106 Phase-2' worth \$280 m incl modernization of 81 M-113A1 to M-113AS3; Australian M-113A1 APCs rebuilt to Waran; Australian desig M-113AS4; delivery until 2009
Israel	(18)	EL/M-2022	MP aircraft radar	1995	2002–2003	(12)	Part of 'Project Air-5276' worth \$372–495 m for modernization of 18 P-3C ASW/MP aircraft to AP-3C Sea Sentinel version by US company
Norway	(200) (60)	MU-90 Impact Penguin-2	ASW torpedo Anti-ship missile	2000 1999	2002–2003	.. (60)	*Project Djimindi' worth \$88 m or \$200 m
Sweden	8	9LV	Fire control radar	(1991)	1996–2003	5	*Project Sea-1414 Phase-2' worth \$36–49 m; Penguin-2 Mod-7 version; for SH-2G helicopters 9LV453 version; for 8 MEKO-200ANZ Type (Anzac Class) frigates; incl for use with Seasprow SAM
	8	Sea Giraffe-150	Air/sea surv radar	1991	1996–2003	5	For 8 MEKO-200ANZ Type (Anzac Class) frigates
	..	RBS-70 Mk-2	Portable SAM	2003		..	*Project Land-19 Phase-6' worth \$55 m including launchers and modernization of existing RBS-70 systems and radars; delivery by 2006
USA	4	Boeing-737 AEW	AEW&C aircraft	2000		..	*Wedgetail' programme worth \$1.6–1.8 b; option on 2 more; delivery from 2007

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	7	King Air-350/C-12S	Light transport ac	2002	2003	(4)	10-year lease worth \$170 m; owned by Australian company; for training
	11	SH-2G Super Seasprite	ASW helicopter	1997	2001-2003	(11)	Ex-US SH-2F rebuilt to SH-2G(A) version; 'Project Sea-1411', worth \$421-600 m (incl \$67 m for 10-year support); incl some assembly in Australia
	8	Mk-45 127mm/54	Naval gun	(1989)	1996-2003	5	Mk-45 Mod-2 version; for 8 MEKO-200ANZ Type (Anzac Class) frigates
	71	AN/APG-73	Combat ac radar	2000	2002-2003	(71)	Deal worth A\$250 m (\$150 m); for modernization of 71 F/A-18 FGA aircraft
	8	AN/SPS-49	Air surv radar	1993	1996-2003	5	AN/SPS-49V(8) version; for 8 MEKO-200ANZ Type (Anzac Class) frigates
	..	AGM-114K Hellfire	Anti-tank missile	(2003)		..	For Tiger combat helicopters; contract not yet signed
	(400)	AIM-120B AMRAAM	BVRAAM	(2000)	2001-2003	(400)	'Project Air-5400'
	(676)	Javelin	Anti-tank missile	2003		..	'Project Land-40-1' worth \$60-110 m; delivery 2005-2007
	64	RGM-84 Harpoon	Anti-ship missile	2002		..	Deal worth \$97 m; RGM-84L version; for MEKO-200ANZ Type (Anzac Class) frigates; possibly incl Harpoon-1B version
	(672)	RIM-162 ESSM	SAM	2002		..	For MEKO-200ANZ Type (Anzac Class) and modernized Adelaide (Perry) Class frigates; delivery probably from 2004
L: Germany	8	MEKO-200ANZ Type	Frigate	1989	1996-2003	5	Deal worth \$2.6 b; Australian desig Anzac Class; delivery 1996-2006
Sweden	6	Type-471	Submarine	1987	1996-2003	6	Deal worth \$2.8 b; Australian desig Collins Class
UK	55	MSTAR	Ground surv radar	1999	2002-2003	(25)	'Project NINOX' worth \$32 m incl 6 delivered direct

Austria									
S:	Germany	18	Eurofighter/Typhoon	FGA aircraft	2003	..	Deal worth \$2.2 b (offsets worth \$4.7 b); delivery from 2007		
	UK	3	C-130K Hercules	Transport aircraft	2002	2003	Ex-UK; deal worth \$36 m; modernized before delivery		
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Bahrain									
S:	UK	6	Hawk-100	FGA/trainer aircraft	2003	..	Hawk-129 version; possibly option on 6 more; delivery 2006		
		3	T-67 Firefly	Trainer aircraft	2002	2003	T-67M260 version		
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Bangladesh									
S:	Pakistan	19	T-37B	Jet trainer aircraft	2003	..	Ex-Pakistani, T-37C version		
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Belgium									
S:	USA	(92)	AN/APG-66	Combat ac radar	1993	1996-2003	(86)	For 'Mid-Life Update' (MLU) modernization of 92 F-16A/B FGA aircraft to F-16AM/BM (F-16C/D) version; delivery 1996-2004	
		(562)	BGM-71 TOW	Anti-tank missile	2001	2002-2003	(562)	BGM-71E TOW-2A version	
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Benin									
S:	Belgium	2	HS-748	Transport aircraft	(2002)	2003	2	Ex-Belgian; aid	
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Bosnia-Herzegovina									
S:	Unknown country	5	Mi-24V/Mi-35/Hind-E	Combat helicopter	1998	Second-hand; aid; possibly in storage in Turkey; status uncertain	
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Botswana									
S:	Switzerland	..	Piranha-3 8x8	APC	(2002)		

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Brazil							
S: Canada	3	IRIS	AGS radar	1997	2002-2003	(3)	Part of 'SIVAM' air-surveillance network; for EMB-145RS (R-99B) AGS aircraft
France	8	AS-532U2/AS-332L2	Helicopter	2001	2002-2003	(5)	Deal worth \$160 m; assembled in Brazil; delivery 2002-2004
	9	Ocean Master	MP aircraft radar	(2002)		..	Part of deal worth \$326 m for modernization of 9 P-3A ASW/MP aircraft to P-3BR version; design uncertain; delivery from 2005
Italy	(8) (46)	MM-40 Exocet Grifo	Anti-ship missile Combat ac radar	(1995) 2000	2002 2003	(1) (1)	For Barroso Class frigate For 'F-5BR' modernization programme worth \$285 m of F-5E FGA aircraft to F-5EM/FM version
	7	RAIN-20S	Air/sea surv radar	1995	2001-2003	5	Deal worth \$112 m incl 13 RTN-30X radars and 6 Albatros SAM systems; for 1 Barroso Class frigate and modernization of 6 Niteroi Class frigates
	13	RTN-30X	Fire control radar	1995	2001-2003	10	Deal worth \$112 m incl 7 RAN-20S radars and 6 Albatros SAM systems; for 1 Barroso Class frigate and modernization of 6 Niteroi Class frigates
Spain	(53) (96)	SCP-01 Scipio Aspide Mk-1	Aircraft radar BVRAAM/SAM	(2003) 1996	2001-2003	.. (72)	For modernization of 53 AMX A-1 FGA aircraft Deal worth \$49 m; for 6 modernized Niteroi Class frigates
	12	C-295M	Transport aircraft	2002		..	'CL-X' programme (part of 'Phoenix' programme) worth \$270 m; status uncertain
Sweden	5	PS-890 Erieye	AEW aircraft radar	1997	2002-2003	(5)	Deal worth \$143 m; part of 'SIVAM' programme; for EMB-145AEW&C (R-99A) AEW aircraft
	..	Torpedo-2000	AS/ASW torpedo	1999		..	Deal worth \$60 m; for Type-209/1400 (Tikuna and possibly Tupi Class) submarines; status uncertain
USA	9	P-3A Orion	ASW/MP aircraft	2002		..	Ex-US; 'P-X' programme; modernized in Spain to P-3BR before delivery; 3 more for spares only

20	RGM-84 Harpoon	Anti-ship missile	(1999)	..	Deal worth \$39 m; possibly AGM-84 version; status uncertain
L:	Germany				
1	Type-209/1400	Submarine	1995	..	Brazilian desig Tikuna Class; 1 more planned but cancelled; delivery 2005/2006
Brunei					
(36)	MM-40 Exocet	Anti-ship missile	2000	..	For Yarrow-95m Type frigates; MM-40 Block-2 version
3	CN-235MPA	MP aircraft	(1995)	..	Status uncertain
(96)	Seawolf VL	SAM	(2001)	..	For Yarrow-95m Type frigates
3	Yarrow-95m Type	Frigate	1998	..	Bruneian desig Nakhoda Ragam Class; delivery from 2004
Bulgaria					
1	PC-12	Light transport ac	2003	1	Deal worth \$39 m incl 6 PC-9 trainer aircraft
6	PC-9	Trainer aircraft	2003	..	Deal worth \$39 m incl 1 PC-12 transport aircraft; delivery 2004
Canada					
6	Sperwer	UAV	2003	6	Deal worth \$24 m incl 2 ground control stations; bought for use by Canadian forces in Afghanistan
15	EH101-400	Helicopter	1998	(15)	Deal worth \$404-500 m (offsets 108%); for SAR; Canadian desig CH-149 Cormorant
2	Hawk-100	FGA/trainer aircraft	(2002)	(2)	For civilian company for training of pilots from Canadian and other air forces under 'NATO Flying Training in Canada' (NFTC) programme; Hawk Mk-115 version; Canadian desig CT-155
4	Upholder Class	Submarine	1998	3	Ex-UK; lease worth \$504 m; in exchange for 8-year UK use of Canadian bases for training; Canadian desig Victoria Class; delivery 2000-2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
USA	2	PC-9/T-6A Texan-2	Trainer aircraft	2002		..	For civilian company for training of pilots from Canadian and other air forces under 'NATO Flying Training in Canada' (NFTC) programme; T-6A-1 version; Canadian desig CT-156 Harvard-2
	66	Stryker MGS-105	AFSV	(2003)		..	Deal worth \$459 m; delivery 2006-2009; contract not yet signed
	80	AN/APG-73	Combat ac radar	2001	2003	(10)	For modernization of 80 CF-18 (F/A-18) FGA aircraft to CF-18IMP version
	47	MSTAR	Ground surv radar	2001	2002-2003	(47)	Deal worth \$13 m; for Piranha-3 APC (artillery fire control version)
	.. (288)	AIM-120C AMRAAM RIM-162 ESSM	BVRAAM SAM	2003 2001		.. ..	Deal worth \$80 m; delivery 2004 For modernized Halifax Class frigates; delivery 2004-2010
	12	RIM-66M Standard-2	SAM	2002		..	Deal worth \$19 m
L: Switzerland	171	Piranha/LAV-25	IFV	(1999)	2002-2003	(160)	Incl 71 tank-destroyer, 39 AEV and 47 artillery fire control version; Canadian desig Kodiak; delivery 2002-2004
Chile							
S: France	(8) (16)	AS-355/555 MM-40 Exocet	Light helicopter Anti-ship missile	(2003) (2003)		.. ..	Second-hand; modernized before delivery MM-40 Block-2 version; for modernized Boxer (Almirante Williams) Class frigate
	1	Scorpene Class	Submarine	1997		..	'Neptune' programme worth \$400-460 m incl 1 from Spain; Chilean desig Hyatt Class; delivery 2004
Israel	(84)	Derby	BVRAAM	(2001)	2002-2003	(84)	For modernized F-5E (Tigre-3) FGA aircraft

Italy	..	Black Shark 533mm	AS torpedo	(2003)	..	For Scorpene (Hyatt) Class and modernized Type-209 (Thomson Class) submarines; contract not yet signed
Spain	1	Scorpene Class	Submarine	1997	..	'Neptune' programme worth \$400-460 m incl 1 from France; Chilean desig Hyatt Class; delivery 2006
UK	(24)	Seawolf	SAM	2003	(24)	Ex-UK; part of \$35 m deal for 1 Boxer Class frigate
	1	Boxer Class	Frigate	2003	1	Ex-UK; deal worth \$35 m incl Seawolf SAMs; Chilean desig Almirante Williams Class
USA	10	F-16C	FGA aircraft	2003	..	'Caza-2000' or 'F-2000' programme worth \$660 m (offsets 100%); F-16C Block-50/52 version; incl 4 F-16D version; delivery from 2006-2007
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China						
S: Russia	(4)	A-50U Mainstay	AEW&C aircraft	(2001)	..	Ordered after Israel (under US pressure) refused delivery of ordered AEW&C aircraft; status uncertain
	35	Mi-8/Mi-17/Hip-H	Helicopter	(2001)	(35)	Mi-17-V5 (Mi-8MTV-5) version
	(200)	Su-27SK/Flanker-B	FGA aircraft	1996	(47)	Deal worth \$1.5-2.5 b; assembled in China; Chinese desig J-11; delivery 1998-2007/2008
	38	Su-30MK/Flanker	FGA aircraft	2001	38	Deal worth \$2 b; Su-30MKK version
	24	Su-30MK/Flanker	FGA aircraft	2002	(4)	Deal worth \$1 b; Su-30MKK2 naval attack version; delivery 2003-2004
	(12)	MR-90/Front Dome	Fire control radar	(2002)	..	For 2 Type-052B destroyers
	1	Zmei/Sea Dragon	MP aircraft radar	2002	(1)	For use on balloon for surveillance of Taiwan Strait
	(3 720)	AA-11 Archer/R-73	SRAAM	(1995)	(1 600)	For Su-27SK and Su-30MKK FGA aircraft
	..	AA-12 Adder/R-77	BVRAM	(2000)	(350)	For Su-30MKK and Su-27UBK FGA aircraft; Chinese desig probably PL-12
	..	AS-17/Kh-31A1	Anti-ship missile	(1997)	(10)	For Su-30MKK, J-8MIIM and/or JH-7 FGA aircraft; may incl assembly or production in China; status uncertain
	..	AS-17/Kh-31P1	Anti-radar missile	(1998)	(120)	Incl for Su-30MKK and JH-7A FGA aircraft; possibly licensed production as KR-1 or YJ-91
	..	AS-18 Kazoo/Kh-59M	ASM	(1999)	(10)	Incl for Su-30MKK FGA aircraft

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	(264)	SA-17 Grizzly/9M317	SAM	(2001)		..	SA-N-12/9M317 version for Type-052B and Sovremenny Class destroyers; design uncertain For Kashan AD system on Sovremenny Class destroyers
	(212)	SA-19 Grisolom/9M111	SAM	(2002)		..	
	(32)	SS-N-22 Sunburn/P-80	Anti-ship missile	(2001)		..	3M80MBE version for Sovremenny Class destroyers
	..	SS-N-27/3M54E1	Anti-ship missile	2002		..	For modernized and new Kilo Class submarines
	8	Kilo Class/Type-636E	Submarine	2002		..	Deal worth \$1.5-1.6 b; delivery before 2008
	2	Sovremenny Class	Destroyer	2002		..	Deal worth \$1-1.4 b; Type-956EM version; option on 2 more; delivery 2004-2005 or 2006
UK	(6)	Searchwater	AEW aircraft radar	1996	1999	(1)	Deal worth \$62-66 m; for Y-8 AEW and MP aircraft or possibly SA-341/Z-8 helicopters and/or Chinese-developed AEW aircraft based on Il-76 transport aircraft; status uncertain
Ukraine	(1 860)	AA-10a/b Alamo/R-27	BVRAM	(1995)	1996-2003	(800)	For Su-27SK and Su-30MKK FGA aircraft; some could be delivered from Russia
	(1 860)	AA-10c/d Alamo/R-27E	BVRAM	(1995)	1996-2003	(800)	For Su-27SK and Su-30MKK FGA aircraft
L: France	..	AS-365/AS-565	Helicopter	1988	1992-2003	(23)	Chinese design Z-9A or Z-9A-100 Haitun and Z-9B/C/G; incl Z-9C ASW and WZ-9 anti-tank versions
Colombia							
S: Spain	2	C-212 Aviocar	Transport aircraft	2003	2003	2	Ex-Spanish; aid
	2	CN-235	Transport aircraft	(2001)	2003	2	Second-hand; deal worth \$11 m; CN-235-200 version; for anti-narcotics operations
USA	(42)	Bell-205/UH-1H	Helicopter	(2000)	2002-2003	(42)	Ex-US; deal worth \$323 m; part of \$1.3 b 'Plan Colombia' anti-narcotics aid; modernized to UH-1H Huey-2 version before delivery

5	SA-2-37 Condor	Reconnaissance ac	2000	2002-2003	(5)	Part of \$1.3 b 'Plan Colombia' anti-narcotics aid; SA-2-37B version
Congo, Republic of						
S: Italy	3	G-222	(1989)		..	Status uncertain
Côte d'Ivoire						
S: Romania	4	SA-330 Puma	(2002)	2003	4	Deal worth \$12 m; IAR-330 version
Czech Republic						
S: Italy	72 2	Grifo RAT-31S/L	(1998) 2002	2000-2003	(72) ..	Grifo-L version for 72 L-159A FGA/trainer aircraft Part of 'NADGE' air-surveillance network; RAT-31DL version
Russia	7	Mi-24V/Mi-35/Hind-E	2002	2003	7	Payment for Russian debt to Czech Republic Originally ordered by Sweden but declared surplus; 10-year lease worth \$750 m (offsets 150%); JAS-39C version; incl 2 JAS-39D version; delivery 2005; contract not yet signed
Sweden	14	JAS-39 Gripen	(2003)		..	
USA	(150)	AIM-9M Sidewinder	2002	2002-2003	(150)	Deal worth \$35 m; incl for protection of 2002 NATO summit in Prague; for L-159 FGA/trainer aircraft
Denmark						
S: Germany	(16)	MU-90 Impact	1999	2001-2003	(12)	For Flyvefisker FAC
Switzerland	22	Piranha-3 8x8	2003		..	Deal worth \$30 m; Piranha-3C version; incl 11 ambulance version; delivery 2005
UK	14	EH101-400	2001		..	Deal worth \$329 m (offsets incl production of EH-101 components in Denmark); incl for SAR; delivery 2004-2006
USA	3	C-130J-30 Hercules	2000		..	Deal worth \$328 m (incl buy-back of 3 Danish C-130H aircraft by producer); option on 1 more; delivery 2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	2	Mk-45 127mm/54	Naval gun	2002		..	Ex-US; deal worth \$30 m; modernized to Mk-45 Mod-4 version before delivery; for 2 LSS-FS Type frigates
	(36)	RIM-162 ESSM	SAM	2002		..	For LSS-FS Type frigates
	(180)	RIM-7M Sea Sparrow	SAM	(1994)	1998-2003	(180)	For Flyvefisken Class FAC/MCM ships and modernized Niels Juel Class frigates
Dominican Republic							
S: Brazil	10	EMB-314 Super Tucano	Trainer aircraft	(2001)		..	Incl for anti-narcotics operations; status uncertain
USA	(11)	Bell-205/UH-1H	Helicopter	(2002)	2003	(11)	Ex-US; aid; modernized to Huey-2 before delivery
	12	Bell-206/OH-58	Light helicopter	2002	2003	12	Ex-US; aid; OH-58C version
	(3)	S-61R/HH-3E/F	Helicopter	(2002)		..	Ex-US; aid; for SAR; status uncertain
	(8)	Schweizer-330	Light helicopter	(2003)		..	Schweizer-333 version; for training
Ecuador							
S: Spain	1	CN-235MP Persuader	MP aircraft	2003		..	Partly financed by Spain
Egypt							
S: China	80	K-8 Karakorum-8	Jet trainer aircraft	1999	2001-2003	(49)	Deal worth \$345 m; K-8E version; incl 70 assembled or produced in Egypt
Germany	5	Combattante-2 Type	FAC(M)	(2002)	2002-2003	5	Ex-German; German desig Type-148 or Tiger Class
	1	Lüneburg Class	Support ship	2002	2003	1	Ex-German
	1	Westerwald Class	Support ship	2002		..	Ex-German
USA	1	E-2C Hawkeye	AEW&C aircraft	2001	2003	1	Ex-US; aid; deal worth \$25 m incl modernization to Hawkeye-2000 before delivery
	201	M-109A2	Self-propelled gun	(2003)	2003	(10)	Ex-US; deal worth \$77 m; delivery 2003-2005
	26	M-270 MLRS	MRL	2001	2003	(26)	Deal \$354 m incl rockets, 3 M-88A2 ARVs and 30 M-577A2 APC/CPs; 'FMF' aid

100	M-1A1 Abrams	Main battle tank	1999	2002-2003	(100)	Deal worth \$564 m; assembled in Egypt
100	M-1A1 Abrams	Main battle tank	2001		..	Deal worth \$590 m; assembled in Egypt; delivery 2004-2005
125	M-1A1 Abrams	Main battle tank	2003		..	Deal worth \$227 m; assembled in Egypt; delivery 2005-2008
13	M-88A2 HERCULES	ARV	2001	2003	5	Deal worth \$73 m; assembled in Egypt
5	AN/APS-145	AEW aircraft radar	1999		..	Deal worth \$138 m (plus \$36 m for installation) incl modernization of 1 ex-US E-2C; for modernization of 5 E-2C AEW&C aircraft to Hawkeye-2000 version; delivery 2004-2007
6	AN/SPS-48	Air surv radar	2001		..	Deal worth \$143 m; AN/SPS-48E version; delivery by 2006
4	Phalanx Mk-15	CIWS	2001		..	Ex-US; deal worth \$32 m (incl \$31 m for modernization); modernized before delivery incl 1 to Block-1B version; delivery 2004-2005/2006
414	AIM-9M Sidewinder	SRAAM	2003		..	Deal worth \$38 m or \$50 m; AIM-9M-2 version; delivery by 2006
(576)	FIM-92A Stinger	Portable SAM	2000	2002-2003	(576)	For Avenger SAM systems
25	RGM-84L Harpoon	Anti-ship missile	2003		..	RGM-84L-4 version; land-attack capability removed before delivery after Israeli pressure
4	Ambassador Type	FAC(M)	2000		..	Deal worth \$400 m; Ambassador Mk-3 version; delivery 2004-2005
..	155-GH-52	Towed gun	1999	2002-2003	(8)	Deal worth \$17-21 m incl 2 direct delivered; Egyptian desig 155 EH-52 or E52
Eritrea						
(8)	MiG-29S/Fulcrum-C	FGA aircraft	(1999)	2001-2003	(8)	
Estonia						
(18)	FH-70	Towed gun	(2003)	2003	(6)	Ex-German; desig uncertain
(160)	MILAN	Anti-tank missile	(2003)	2003	(50)	Ex-German; desig uncertain

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
USA	1	AN/TPS-117	Air surv radar	2001	2003	1	Deal worth \$12 m; part of 'BALTNET' air-surveillance network
Finland							
S: Germany	124	Leopard-2A4	Main battle tank	2002	2003	(62)	Ex-German; deal worth \$66 m; delivery 2003-2004 For 2 Hamina Class FAC; assembled in Finland
	2	TRML-CS	Air/sea surv radar	2002		..	Deal worth \$20 m; Ranger-2 version; ordered via Swiss company; delivery 2005
Israel	6	Ranger	UAV	2003		..	Deal worth \$30 m; assembled or produced in Germany; Spike-2.5 version
	..	Spike-MR/LR	Anti-tank missile	2000		..	Deal worth \$350 m (\$520 m incl support) incl 18 assembled in Finland; supplied by France and Germany; delivery 2004-2008
Multiple sellers	20	NH-90 TTH	Helicopter	2001		..	For 2 Hamina Class FAC
Netherlands	2	Scout	Sea surv radar	1998	1998-2003	2	Deal worth \$17 m; for Hamina and T-2000 Class FAC
South Africa	..	Umkhonto-1R	SAM	2002		..	Deal worth \$176 m (offsets incl production of components in Finland); 'TA-2000' project; delivery 2002-2005
Sweden	57	CV-9030	IFV	2000	2002-2003	(25)	9LV225 version for 2 Hamina Class FAC
	2	9LV	Fire control radar	(1997)	1998-2003	2	For ASRAD-R SAM systems
	(4)	HARD	Air surv radar	2002		..	Deal worth \$50 m incl modernization of Finnish RBS-15 missiles to Mk-3 version; Finnish design RBS-15SF-3
	..	RBS-15 Mk-3	Anti-ship missile	2001		..	For use with ASRAD-R SAM systems
	(60)	RBS-70 Mk-2	Portable SAM	2002		..	
France							
S: Israel	3	Eagle	UAV	2001	2003	(3)	'MALE UAV' programme
Spain	3	CN-235	Transport aircraft	2002	2003	3	

Sweden	4	Giraffe AMB-3D	Air surv radar	2001	2003	(2)	Deal worth \$34 m; delivery 2003–2004
USA	1	E-2C Hawkeye	AEW&C aircraft	1999	2003	1	Deal worth \$894 m incl 2 ordered in 1995 (offsets worth \$440 m incl French production of components)
Germany							
S: Netherlands	8	P-3C Orion Update-2.5	ASW/MP aircraft	(2003)		..	Ex-Dutch; 'MPA-2000' or 'MPA-R' programme; contract not yet signed
	3	APAR	Multi-function radar	(1997)	2003	1	For 3 Sachsen Class (F-124 or Type-124) frigates; delivery 2003–2006
	3	SMART-L	Air/sea surv radar	(1997)	2003	1	For 3 Sachsen Class (F-124 or Type-124) frigates; delivery 2003–2005
Sweden	31	Bv-206S	APC	2002	2003	(15)	Deal worth \$12 m; ambulance version; delivery 2003–2004
	10	HARD	Air surv radar	1998	2001–2003	(10)	For Ozslot (LeFlaSys or ASRAD) SAM systems produced in Germany
	..	RBS-15 Mk-3	Anti-ship missile	(2003)		..	For K-130 Class corvettes; incl assembly in Germany; contract not yet signed
UK	(15)	Seaspray-3000	MP aircraft radar	(1999)	2002–2003	(9)	Part of \$125 m modernization of 17 Lynx Mk-88 helicopters to Super Lynx Mk-88A version
USA	..	RIM-66M Standard-2	SAM	2001	2003	(10)	For Sachsen Class (F-124 or Type-124) frigates
Greece							
S: Brazil	4	EMB-145AEW&C	AEW&C aircraft	1999		..	Deal worth \$476-500 m incl 4 PS-890 Erieye radars from Sweden; EMB-145H version; delivery via Sweden to Greece 2004–2005; option on 2 more CL-415GR CSAR version; deal worth \$380 m incl 8 CL-415GR for fire-fighting
Canada	2	CL-415MP	MP aircraft	1999	2003	(2)	Deal worth \$90 m (offsets 100%); AS-532A2 CSAR version
France	4	AS-532UL/AS-332L1	Helicopter	2000	2003	(4)	AS-532A2 CSAR version
	2	AS-532UL/AS-332L1	Helicopter	2003		..	AS-532A2 CSAR version

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	15	Mirage-2000-5	FGA aircraft	2000	2003	(5)	Deal worth \$1.4 b incl 200 MICA and 56 SCALP-EG missiles and modernization of 10 Greek Mirage-2000EG to Mirage-2000-5; delivery 2003-2004
	(8) (200)	Sperwer MICA	UAV BVRAAM	2002 2000	2003 2003	(4) (50)	Deal worth \$35 m Deal worth \$1.4 b incl 15 Mirage-2000-5 FGA aircraft, 56 SCALP-EG missiles and modernization of 10 Greek Mirage-2000EG to Mirage-2000-5; MICA-EM and MICA-IR version
	100	MICA	BVRAAM	(2003)		..	
	27	MM-40 Exocet	Anti-ship missile	2000		..	Deal worth \$55 m (160% offsets); MM-40 Block-2 version; for Super Vita Class FAC; delivery 2001-2004
	(56)	Storm Shadow/SCALP	ASM	2001	2003	(10)	Deal worth \$1.4 b incl 15 Mirage-2000-5 FGA aircraft, 200 MICA missiles and modernization of 10 Greek Mirage-2000EG to Mirage-2000-5; SCALP-EG version
Germany	34	Storm Shadow/SCALP	ASM	(2003)		..	
	60	Eurofighter/Typhoon	FGA aircraft	(2003)		..	Deal worth \$4.5-4.9 b; contract not yet signed
	24	PzH-2000 155mm	Self-propelled gun	2001	2003	(12)	Deal worth \$164-228 m (offsets 120%) incl 28 ALVs; option on 12 more; delivery 2003-2004
	28	PzH-2000 ALV	ALV	2001	2003	(14)	Deal worth \$164-228 m (offsets 120%) incl 24 PzH-2000 155mm self-propelled guns; incl 24 ammunition carrier and 4 ammunition loader version; delivery 2003-2004
	12	Buffel	APC	2003		..	Deal worth \$1.9 b incl 170 Leopard-2HEL tanks and 8 BRPZ-1 ABLs (offsets incl 40% direct); Leopard-2HEL version; delivery 2005/2006-2009
	170	Leopard-2A5	Main battle tank	2003		..	Deal worth \$1.9 b incl 12 Buffel ARV and 8 BRPZ-1 ABLs (offsets incl 40% direct); Leopard-2HEL version; delivery 2006-2009

	(36)	AN/APG-65	Combat ac radar	1997	2002-2003	(36)	Part of \$31.5-336 m 'Peace Icarus-2000' modernization programme of 36 F-4E FGA aircraft
	(432)	FIM-92C Stinger	Portable SAM	2000	2002-2003	(432)	Deal worth \$134 m incl 54 ASRAD SAM systems
	(350)	IRIS-T	SRAAM	(2003)		..	Contract not yet signed; delivery possibly from 2004
	(126)	RIM-116A RAM	SAM	(2003)		..	Deal worth \$25 m incl 3 launchers; for 3 Super Vita Class FAC
	1	Type-214	Submarine	2000		..	Deal worth \$0.9-1.3 b incl 2 licensed production (offsets 115%); Greek desig Katsonis Class; delivery 2005
Italy	12	C-27J Spartan	Transport Aircraft	2003		..	Deal worth \$312 m (offsets 360%); delivery 2004-2005
	1	RAT-31S/L	Air surv radar	(2002)		..	Part of 'NADGE' air-surveillance network; RAT-31IDL version
Multiple sellers	20	NH-90 TTH	Helicopter	2003		..	Deal worth \$700 m (offsets 120%); to be delivered from France and/or Germany; option on 14 more; delivery by 2010
Netherlands	(7)	LIROD	Fire control radar	2000	2003	(3)	For 3 Super Vita Class and 4 Osprey-55 Type (Pyropolitis Class) FAC
	6	MIRADOR	Air surv system	2003		..	For modernization of 6 Kortenaer (Elli) Class frigates
	3	MW-08	Air surv radar	2000	2003	1	For 3 Super Vita Class FAC
	3	STING	Fire control radar	2000	2003	1	For 3 Super Vita Class FAC
	3	Scout	Sea surv radar	2000		..	For 3 Super Vita Class FAC
	6	Scout	Sea surv radar	2003		..	For modernization of 6 Kortenaer (Elli) Class frigates
	(7)	Variant	Air/sea surv radar	2000	2003	(3)	For 3 Super Vita Class and 4 Osprey-55 Type (Pyropolitis Class) FAC
Russia	2	Kortenaer Class	Frigate	2002	2003	1	Ex-Dutch; deal worth \$55 m; Greek desig Elli Class
	19	SA-15/9A331 Tor-M1	Mobile SAM system	(2002)		..	Deal worth \$400 m or \$700 m incl missiles; status uncertain
	1 100	AT-14/9M133 Kornet	Anti-tank missile	2001	2002-2003	(550)	Deal worth \$95 m
	(323)	SA-15 Gauntlet/9M338	SAM	(2002)		..	Deal worth \$400 m or \$700 m incl 19 SA-15/9A331 Tor-M1 SAM systems; status uncertain
	1	Pomornik Class	ACV/landing craft	2002		..	Deal worth \$64 m; Greek desig Kefallinia Class; delivery 2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Sweden	(6) 2 4	ARTHUR Ericsson SLAR PS-890 Erieye	Arty locating radar AGS radar AEW aircraft radar	2002 (1998) 1999	2003	.. (2) ..	Deal worth \$43-44 m; delivery 2004 For 2 CL-415MP MP aircraft For 4 EMB-145H AEW aircraft delivered from Brazil; deal worth \$476-500 m incl aircraft; option on 2 more; delivery 2004-2005
UK	1	Qahir Class	Corvette	(2002)		..	Deal worth \$415 m; modified version; option on 1 more; contract not yet signed
USA	4	AH-64D Apache	Combat helicopter	2003		..	Deal worth \$680-703 m (offsets worth \$845 m) incl 8 AH-64D without Longbow radar; option on 4 more; delivery 2007
	8	AH-64D Apache	Combat helicopter	2003		..	Deal worth \$680-703 m (offsets worth \$845 m) incl 4 AH-64D with Longbow radar; option on 4 more; delivery 2007
	2	C-130H Hercules	Transport aircraft	2002	2003	(2)	Ex-Italian aircraft sold back to US producer and sold to Greece
	50	F-16C	FGA aircraft	2000	2003	(35)	'Peace Xenia-3' deal worth \$2.1 b; F-16CG Block-52+ version; incl 16 F-16DG version;
	10	F-16C	FGA aircraft	2001		..	'Peace Xenia-3' deal worth \$183 m; F-16CG Block- 52+ version; incl 4 F-16DG version; delivery 2004
	45	PC-9/T-6A Texan-2	Trainer aircraft	1999	2000-2003	(45)	Deal worth \$223-240 m (offsets 120% incl production of parts for 300 T-6A); T-6A Texan-2 version; incl 20 T-6B armed version; option on 5 more
	2	S-70B/SH-60B Seahawk	ASW helicopter	2000	2003	(2)	S-70B-6 Aegean Hawk version
	2	S-70B/SH-60F Seahawk	ASW helicopter	(2003)		..	Deal worth \$107 m; S-70B-6 Aegean Hawk version
	(6)	Patriot	SAM system	1999	2002-2003	(4)	Deal worth \$1.1 b (offsets 120%)
	2	Phalanx Mk-15	CIWS	2002		..	Ex-US; Phalanx Block-1A version; delivery 2004
	..	AIM-120C AMRAAM	BVRAAM	(2003)		..	Deal worth \$53 for 106 AIM-120C-5 version for Greece and Sweden; delivery by 2005

..	FIM-92A Stinger	Portable SAM	2001	2003	(100)	Part of deal worth \$89 m for 1007 missiles for Greece, Italy and UK; delivery 2003–2004	
..	MIM-104 PAC-3	SAM	(1999)		..	For Patriot SAM systems	
..	RIM-162 ESSM	SAM	(2003)		..	For modernized Kortenaer (Elli) Class	
L:							
Denmark	4	Osprey-55 Type	Patrol craft	1999	2003	(2)	Deal worth \$208 m; Greek desig Pyropolitis Class or Hellenic-56 Type
Germany	2	Type-214	Submarine	2000		..	Deal worth \$0.9–1.3 b incl 1 direct delivered (offsets 115%); Greek desig Katsomis Class; delivery 2008–2009
Italy	1	Type-214	Submarine	2002		..	Deal worth \$700 m incl modernization of 3 Greek Type-209 submarines; delivery 2009/2010
UK	1	Etna Class	Support ship	1999	2003	1	Deal worth \$128 m; Greek desig Prometheus
	2	Super Vita type	FAC(M)	2003		..	Deal worth \$310 m; Greek desig Rousen Class
	3	Super Vita type	FAC(M)	1999	2003	1	Deal worth \$324 m; Greek desig Rousen Class; delivery 2003–2004
Hungary							
S: Italy	3	RAT-31S/L	Air surv radar	2002		..	Part of 'NADGE' air-surveillance network; RAT-31DL version
Sweden	14	JAS-39 Gripen	FGA aircraft	2001		..	Ex-Swedish; modernized before delivery to JAS-39EBS HU (NATO) version; 10-year lease worth \$924 m (offsets 110%); to be bought after lease; incl 2 JAS-39D version; delivery 2006
India							
S: France	10	Mirage-2000E	FGA aircraft	2000	2003	(5)	Deal worth \$312–353 m; Mirage-2000H version; incl 6 Mirage-2000TH version; Indian desig Vajra; delivery 2003–2004
	(36)	SM-39 Exocet	Anti-ship missile	(2003)		..	Deal worth \$150 m; for Scorpene submarines; contract not yet signed
Israel	(25)	Heron-2	UAV	(2001)	2002–2003	(15)	Possibly incl for MP
	(8)	Searcher UAV	UAV	2002	2003	(8)	Searcher-2 version

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	(2)	EL/M-2032	Combat ac radar	(1999)		..	For 2 Jaguar-IM (Maritime Jaguar) FGA aircraft
	3	EL/M-2075 Phalcon	AEW aircraft radar	(2003)		..	For modification of 3 Il-76 transport aircraft to A-50EHI AEW&C aircraft; delivery 2007-2009
	(2)	EL/M-2221	Fire control radar	(2001)	2002-2003	(2)	Deal worth \$260-280 m incl Barak SAM and launchers; for 1 modernized Viraat Class aircraft carrier and 1 modernized Godavari Class frigate
	3	EL/M-2221	Fire control radar	(2002)	2003	(1)	For 3 Delhi Class destroyers; for use with Barak SAM
	2	EL/M-2221	Fire control radar	(2003)		..	Deal worth \$100 m incl Barak SAMs and launchers; for modernization of 2 Godavari Class frigates; for use with Barak SAM; contract probably not yet signed
	2 (48)	Green Pine Barak	Air surv radar SAM	2002 (2001)	2002-2003	.. (48)	Deal worth \$260-280 m incl launchers and radars; for modernized Viraat Class aircraft carrier and Godavari Class frigate
	(72) (48)	Barak Barak	SAM SAM	(2002) (2003)	2003	(24) ..	For Delhi Class destroyers Deal worth \$100 m incl launchers and radars; for modernized Godavari Class frigates; contract probably not yet signed
Italy	9 (36)	Seaguard TMX A244/S 324mm	Fire control radar ASW torpedo	1993 (1993)	2000-2002 2000-2003	6 (24)	For 3 Brahmaputra Class (Project-16A) frigates For Brahmaputra Class (Project-16A) frigates; possibly produced in India as NST-58
Kyrgyzstan	19	MiG-21PFM/Fishbed-F	Fighter aircraft	2003	2003	(19)	Ex-Kyrgyz; MiG-21UM trainer version
Netherlands	4	DA-05	Air surv radar	(1989)	1995-2002	(3)	For modernization of 1 Viraat Class aircraft carrier and for 3 Brahmaputra Class (Project-16A) frigates; incl assembly in India: Indian desig RAWs, RAWS-03 or PFN-513
	7	LW-08	Air surv radar	(1989)	1997-2002	(6)	For modernization of 1 Viraat Class aircraft carrier and for 3 Delhi Class (Project-15) destroyers and

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ license	Year(s) of deliveries	No. delivered/ produced	Comments
	(27)	Zmei/Sea Dragon	MP aircraft radar	2000		..	For modernization of 8 Tu-142M ASW/MP aircraft to Tu-142J and 5 Il-38 ASW/MP aircraft to Il-38SD (Il-38 modernization worth \$205 m) and some 14 Ka-28 ASW helicopters
	(48)	53-65K 533mm	AS torpedo	(1997)	1997-2003	(48)	For Kilo (Sindhughosh) Class submarines and Talwar Class frigates
	(1 140) (3 900)	AA-10c/d Alamo/R-27E AA-11 Archer/R-73	BVRAAM SRAAM	1996 (1996)	1997-2003 1997-2003	(350) (700)	For Su-30MKI FGA aircraft For Su-30MKI FGA and MiG-21UPG fighter aircraft and possibly for MiG-29 fighter and modernized MiG-27ML FGA aircraft
	(750)	AA-12 Adder/R-77	BVRAAM	(2000)	2002-2003	(150)	For Su-30MKI FGA aircraft and MiG-21UPG fighter aircraft and possibly for MiG-29 fighter and modernized MiG-27ML FGA aircraft
	(1 440) 150	AT-16/9M120 SA-12b Giant/9M82	Anti-tank missile SAM	(2000) (2002)	2002-2003	(960) ..	For Mi-17 helicopters Deal worth \$1.5 or \$2.5 b incl 4 SA-12 SAM systems; contract probably not yet signed
	(108) (2 500) (288)	SA-17 Grizzly/9M317 SA-18 Grouse/Igla SA-19 Grison/9M111	SAM Portable SAM SAM	(2000) 2001 (2002)	2003 2001-2003	(108) (2 500) ..	SA-N-12/9M317 version for Talwar Class frigates Deal worth \$32.50 m SA-N-11/9M311 version for 6 Kashtan AD/SAM systems on 1 Gorshkov Class aircraft carrier; contract not yet signed
	(288)	SA-19 Grison/9M111	SAM	(1997)	2003	(288)	SA-N-11/9M311 version for Kashtan AD/SAM systems on 3 Talwar Class frigates
	(27)	SET-65E 533mm	ASW torpedo	(1993)	1997-2003	(27)	For Delhi Class (Project-15) destroyers and Talwar Class frigates
	(416)	SS-N-25/Kh-35 Uran	Anti-ship missile	(1992)	1997-2003	(360)	For Delhi Class (Project-15) and modernized Kashin-2 (Rajput) Class destroyers, Brahmaputra Class (Project-16A) frigates, Kora Class (Project-25A) corvettes and Tarantul-1 (Vibhuti) Class FAC

(192)	SS-N-27/3M54E1	Anti-ship missile	(1998)	2001–2003	(68)	For Talwar and Bangalore Class frigates and Kilo Class (incl modernized) submarines
1	Gorshkov Class	Aircraft-carrier	(2003)	..	..	Ex-Russian: deal worth \$650 m for modernization and modification to conventional take off/landing (CTOL) carrier before delivery; Indian desig Vikramaditya Class; delivery 2008
3	Talwar Class	Frigate	1997	2003	(3)	Deal worth \$0.8–1 b; Russian desig Type-1135.6; ordered due to problems with Indian production of major warships; delivery delayed from 2001–2002 to 2003–2004 due to financial problems of producer and technical problems with ships
2	Harrier T-4	FGA/trainer aircraft	1997	2003	(2)	Ex-UK; modernized before delivery
66	Hawk-100	FGA/trainer aircraft	(2003)	..	..	'Advanced Jet Trainer' (AJT) programme worth \$1.7 b; incl production in India; Hawk Mk-132 version; delivery 2006–2009; contract not yet signed
8	AN/TPQ-37 Firefinder	Arty locating radar	2002	2003	2	Deal worth \$142 m incl 4 ordered 2003; originally planned for 1998 but embargoed by USA after Indian nuclear tests in 1998; AN/TPQ-37(V)3 version
(4)	AN/TPQ-37 Firefinder	Arty locating radar	(2003)	..	..	Deal worth \$142 m incl 6 ordered 2002; AN/TPQ-37(V)3 version
8	MiG-21 PFM/Fishbed-F	Fighter aircraft	2003	2003	(8)	Ex-Ukrainian; MiG-21UM trainer version
(1 140)	AA-10a/b Alamo/R-27	BVRAM	(1996)	1997–2003	(420)	For Su-30MKI FGA aircraft; desig uncertain
3	Il-76M/Candid-B	Transport aircraft	2003	..	..	Ordered via Russia; for modification to A-50Eh1 AEW&C aircraft in Israel; delivery from 2006; contract not yet signed
6	Il-78M/Midas	Tanker aircraft	2001	2003	(6)	Deal worth \$150 m; Il-78MK version
..	MILAN	Anti-tank missile	(1981)	1984–2003	(52 500)	MILAN-2 version; incl for BMP-2 IFVs
6	Scorpene Class	Submarine	(2003)	..	..	'Project-75' worth \$1.8–2.1 b; delivery possibly 2010–2016; contract not yet signed
47	Do-228MP	MP aircraft	1983	1993–2003	(35)	Incl 11 for Coast Guard

L: France

Germany

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Russia	140	Su-30MK/Flanker	FGA aircraft	2000		..	Deal worth \$3-4.2 b; Su-30MK1 version; for delivery 2007-2017/18
	..	AT-5 Spandrel/9M113	Anti-tank missile	(1988)	1992-2003	(5 300)	For BMP-2 IFVs; ordered from Soviet Union and produced under Russian licence after break-up of Soviet Union
UK	17	Jaguar International	FGA aircraft	1999	2003	(2)	Jaguar International-IT version; for night-attack role; possibly incl 2 Jaguar-IM (Jaguar Maritime version); Indian desig Shamsher
	20	Jaguar International	FGA aircraft	(2000)		..	Jaguar International-IS version; Indian desig Shamsher; delivery until 2007
	1	Magar Class	Landing ship	(1996)		..	
Indonesia							
S: France	(13)	AS-332B Super Puma	Helicopter	1997	2001-2003	(13)	NAS-332 version; assembled in Indonesia; incl 6 for CSAR; 3 more ordered for VIP transport
	15	EC-120B Colibri	Light helicopter	(2000)	2002-2003	(15)	For training
	3	Ocean Master	MP aircraft radar	2001	2002	(1)	Deal worth \$50 m; for 3 CN-235MPA aircraft produced in Indonesia
Israel	..	Heron-2	UAV	(2002)		..	Possibly for MP
Netherlands	4	LIROD	Fire control radar	(1994)	2000-2003	(3)	Deal worth \$42 m incl 4 Variant radars; for 4 PB-57 Type (Todak Class) patrol craft
	2	LIROD	Fire control radar	(2003)		..	For 2 Sigma-90 Type frigates
	2	MW-08	Air surv radar	(2003)		..	For 2 Sigma-90 Type frigates
	4	Variant	Air/sea surv radar	(1999)	2000-2003	(3)	Deal worth \$42 m incl 4 LIROD radars; for 4 PB-57 Type (Singa Class) patrol craft
Russia	2	Sigma-90 Type	Frigate	(2003)		..	Delivery 2007
	(16)	Mi-2/Hoplite	Light helicopter	2002	2003	2	Possibly ex-Russian

2	Mi-24V/Mi-35/Hind-E	Combat helicopter	2003	2003	2	Deal worth \$193-197 m incl 2 Su-30MK and 2 Su-27SK combat aircraft (incl \$26 m cash and rest barter)
(8)	Mi-8/Mi-17/Hip-H	Helicopter	2002	2003	(8)	Deal worth \$11-12 m incl 2 Mi-2 helicopters
4	Mi-8/Mi-17/Hip-H	Helicopter	(2003)		..	Mi-17 version; delivery 2004
2	Su-27SK/Flanker-B	FGA aircraft	2003	2003	2	Possibly ex-Russian Su-27 modernized to Su-27SMK; deal worth \$193-197 m incl 2 Su-30MK combat aircraft and 2 Mi-35 combat helicopters (incl \$26 m cash and rest barter)
2	Su-30MK/Flanker	FGA aircraft	2003	2003	2	Deal worth \$193-197 m incl 2 Su-27SK combat aircraft and 2 Mi-35 combat helicopters (incl \$26 m cash and rest barter); originally 20 ordered 1997 but cancelled after 1997 financial crisis and renewed 2003; option on 8-18 more
(24)	AT-6 Spiral/9M114	Anti-tank missile	2003	2003	(24)	For Mi-35P combat helicopters; design uncertain
(16)	SA-16 Gimlet/Igla-1	Portable SAM	2003	2003	(16)	For Mi-35P combat helicopters; design uncertain
7	KT-1 Woong-Bee	Trainer Aircraft	2001	2003	7	Deal worth \$60 m (offsets for Korean order for CN-235 transport aircraft); KT-1B version; option on 13 more; delivery from 2003
16	AN/APG-66	Combat ac radar	1996	1999	10	For 16 Hawk-200 FGA aircraft; status of last 6 after being embargoed by USA
4	PB-57 Type	Patrol craft	1993	2000-2003	(3)	Deal worth \$260 m; PB-57 NAV-5 version; Indonesian design Todak Class; delivery 2000-2004
6	C-212MP Aviocar	MP aircraft	1996		..	'On Top-2' programme; NC-212-200MP version; status uncertain
14	Y-7	Transport aircraft	1996	1998-2003	(5)	Delivery 1998 and 2003-2006
(20)	Mi-8/Mi-17/Hip-H	Helicopter	2001	2002-2003	(20)	Deal worth \$150 m; Mi-171Sh version
(540)	AT-6 Spiral/9M114	Anti-tank missile	(1999)	2000-2003	(540)	For Mi-171Sh helicopters; possibly incl AT-9 version

Iran

S: China
Russia

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
L: China	..	FL-6	Anti-ship missile	(2000)	2002-2003	(35)	Iranian desig Fajr-e Darya; incl for use on SH-3D helicopters
Russia	(1 420)	BMP-2	IFV	(1991)	1994-2003	(495)	Deal worth \$2.2 b for 1500 BMP-2 IFVs and 1000 T-72 tanks; probably incl some delivered direct
	(874)	T-72S1	Main battle tank	(1996)	1997-2003	(490)	Deal worth \$2.2 b for 1500 BMP-2 IFVs and 1000 T-72 tanks; probably incl some delivered direct
	..	AT-3 Sagger/9M14M	Anti-tank missile	(1995)	1996-2003	(2 000)	Iranian desig RAAD; incl I-RAAD version
	..	AT-4 Spigot/9M111	Anti-tank missile	2000	2001-2003	(400)	
	..	AT-5 Spandrel/9M113	Anti-tank missile	(1998)	1999-2003	(600)	Iranian desig Towsan-1
Ireland							
S: Switzerland	8	PC-9	Trainer aircraft	(2002)		..	Deal worth \$63 m; armed PC-9M version; delivery 2004
	25	Piranha-3 8x8	APC	(2002)	2003	(5)	Prantha-3H version; incl 4 CP and 1 ambulance version
USA	36	Javelin	Anti-tank missile	2003		..	Deal worth \$12.5 m
Israel							
S: Germany	(17)	G-115T Acro	Trainer aircraft	2002	2002-2003	(17)	Owned and operated by civilian company for Israeli armed forces; G-120A-I version; Israeli desig Snunit
	2	Patriot	SAM system	2002	2003	2	Ex-German; 2-year loan in reaction to possible war in Middle East
	(100)	DM2A3 Seahake	AS/ASW torpedo	1999	2000-2003	(100)	Deal worth \$65 m; financed by US 'FMF' aid; for Dolphin Class submarines
	128	MIM-104 Patriot	SAM	2002	2003	128	Ex-German; 2-year loan in reaction to possible war in Middle East

USA	(8)	AH-64D Apache	Combat helicopter	2001	..	Deal worth \$509 m incl modernization of 4 Israeli AH-64A to AH-64D; Israeli desig Sharaf; option on 6 more; delivery 2005
	50	F-16I	FGA aircraft	1999	..	'Peace Marble-5' deal worth \$2.5 b (offsets 25%); financed by USA; Israeli desig Sufefa; delivery 2004-2005
	52	F-16I	FGA aircraft	2001	..	'Peace Marble-5' deal worth \$2 b (incl \$1.3 b for aircraft and \$300 m for engines; offsets worth \$800 m); Israeli desig Sufefa; delivery 2006-2008/2009
	4	Gulfstream-5	Transport aircraft	2003	..	Deal worth \$473 m incl option on 2 more; modified in Israel to AEW aircraft
	3	Gulfstream-5	Transport aircraft	2001	(1)	Deal worth \$174-206 m; modified in Israel to ELINT aircraft
	8	King Air B200/C12	Light transport ac	2001	(8)	B200CT version; modified in Israel for SIGINT; Israeli desig Zuffit-3
	6	King Air B200/C12	Light transport ac	2002	(6)	B200CT version; for training; Israeli desig Zuffit-5
	(4)	AN/APG-78 Longbow	Combat ac radar	2001	..	Deal worth \$509 m (financed by USA); for modernization of 4 Israeli AH-64A helicopter to AH-64D
	(480)	AGM-114K Hellfire	Anti-tank missile	(2000)	..	For AH-64D helicopters
	48	AIM-120C AMRAAM	BVRAAM	2001	48	
	2 030	BGM-71 TOW	Anti-tank missile	2002	(1 000)	Deal worth \$80 m
	..	BGM-71 TOW	Anti-tank missile	2002	..	Part of deal worth \$52 m for 1689 TOW-2A/2B version and training missiles for Israel, Japan, Jordan, Luxembourg and Spain
	40	Popeye-1	ASM	2001	(40)	Deal worth \$31 m; AGM-142F-1/2 versions; designed by Israel but produced in and bought from USA to use US 'FMF' aid for financing
Italy	(83)	MO-120-RT-61 120mm	Mortar	(1998)	(83)	
S: France	18	Ignae/Varan	MP aircraft radar	(1994)	(18)	For modernization of 18 Atlantic-1 ASW/MP aircraft

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Germany	70	PzH-2000 155mm	Self-propelled gun	2002	2003	(2)	Deal worth \$455-510 m; incl 68 assembled in Italy; delivery 2003-2008
Sweden	(444)	IRIS-T	SRAAM	(2003)		..	Contract not yet signed
	112	Bv-206S	APC	2003		..	Deal worth \$68 m; offsets for Swedish NH-90 helicopter order; delivery 2004-2007
	34	Bv-206S	APC	2003		..	Deal worth \$29 m incl 12 Bv-206 unarmoured vehicles (offsets for Swedish NH-90 helicopter order)
UK	(200)	Storm Shadow/SCALP	ASM	1999	2003	(5)	Ex-US; 'Peace Ceasar' lease worth \$760 m until Eurofighter enters service in 2010;
USA	34	F-16(ADF)	FGA aircraft	2001	2003	(17)	F-16A Block-15ADF version; incl 4 F-16B version; modernized before delivery; 4 more delivered for spares only; delivery 2003-2004
	4	KC-767	Tanker/transport ac	2002		..	Deal worth \$619 m (offsets worth up to \$1.1 b); option on 2 more; delivery 2005-2008
	2	AN/FPS-117	Air surv radar	2002		..	AN/TPS-117 version
	233	AIM-120B AMRAAM	BVRAAM	1997	2000-2003	(233)	Deal worth \$116 m; for AV-8B+ FGA aircraft
	..	FIM-92A Stinger	Portable SAM	2001	2003	(100)	Part of deal worth \$89 m for 1007 missiles for Greece, Italy and UK; delivery 2003-2004
L: Germany	2	Type-212	Submarine	1997		..	Italian desig Todaro Class; option on 2 more; delivery 2004-2005
Japan							
S: France	8	Ocean Master	MP aircraft radar	1996		..	For modernization of 8 US-1A MP aircraft
	2	Ocean Master	MP aircraft radar	(2001)	2003	(1)	For 2 Gulfstream-5 MP aircraft delivered from USA
Italy	5	127mm/54	Naval gun	(1999)		..	For 5 Takunami Class frigates

UK	14	EH101-400	Helicopter	(2003)	..	..	'MCH-X' programme worth \$518 m; incl for mine-sweeping
USA	(60)	AH-64D Apache	Combat helicopter	2001	..	..	'AH-X' programme; incl assembly in Japan, delivery from 2005
	(21)	BAe-125-800	Light transport ac	1995	1997-2003	(17)	'H-X' programme; RH-800 version; for SAR; Japanese desig U-125A
	2	Gulfstream-5	Transport aircraft	2001	2003	(1)	Deal worth \$100 m; for Coast Guard long-range MP incl against piracy in South-East Asia
	4	KC-767	Tanker/transport ac	2003	..	..	'KC-X' programme; delivery 2007-2010
	(20)	King Air-350/C-12S	Light transport ac	1997	1999-2003	(5)	Incl for reconnaissance; Japanese desig LR-2
	(90)	M-270 MLRS	MRL	1993	1995-2003	(81)	Assembled in Japan
	(13)	AN/APS-145	AEW aircraft radar	2000	..	..	For modernization of E-2C AEW&C aircraft; delivery from 2004
	6	AN/SPG-62	Fire control radar	(2002)	..	..	For 2 Improved Kongou Class destroyers
	2	AN/SPY-1D	Air surv radar	2002	..	..	For 2 Improved Kongou Class destroyers
	(34)	Phalanx Mk-15	CIWS	(1993)	1996-2003	28	For 9 Murasame and 5 Takamami Class frigates and 3 Oosumi Class AALS; incl some Block-1B version
	..	BGM-71 TOW	Anti-tank missile	2002	2003	(100)	Part of deal worth \$52 m for 1689 TOW-2A/2B version and training missiles for Israel, Japan, Jordan, Luxembourg and Spain
	..	MIM-104 PAC-3	SAM	(2003)	..	..	Part of \$6.5-9.3 b anti-ballistic missile defence system; delivery 2006/2007-2011; contract not yet signed
	..	RIM-66/SM-3	SAM	(2003)	..	..	SM-3 Block-1 version; for Kongou Class destroyers; part of \$6.5-9.3 b anti-ballistic missile defence system; contract not yet signed
	16	RIM-66M Standard-2	SAM	2001	2003	16	Deal worth \$27 m; possibly Block-3B version
	(16)	RIM-66M Standard-2	SAM	(2001)	2003	16	Deal worth \$27 m; Block-3A version
	16	RIM-66M Standard-2	SAM	(2002)	..	..	Deal worth \$24 m, Block-3A version
	(336)	RIM-7M Sea Sparrow	SAM	1993	1996-2003	(235)	For Murasame and Takamami Class frigates
L: France	..	MO-120-RT-61 120mm	Mortar	1992	1993-2003	(348)	Incl for use with Type-96 mortar carrier
USA	79	CH-47D Chinook	Helicopter	1986	1988-2003	(63)	CH-471 and CH-47JA versions
	(64)	S-70/UH-60J Blackhawk	Helicopter	1988	1991-2003	(45)	

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	(80)	S-70/UH-60J Blackhawk	Helicopter	1995	1998-2003	(24)	UH-60U version; deal worth \$2.7 b
	101	S-70B/SH-60J Seahawk	ASW helicopter	1988	1991-2003	(99)	
	(27)	Sea Vue	MP aircraft radar	1992	1995-2003	(23)	For 27 BAe-125-800/RH-800 (U-125A) SAR aircraft
Jordan							
S: France	6	EC-135/EC-635	Helicopter	2003	2003	(6)	EC-635T-1 version; for border patrol; option on 7 more
Netherlands	18	MOBAT 105mm	Self-propelled gun	2003		..	Deal worth \$19 m; option on 20 more; delivery 2004
South Africa	(100)	Ratel-20	IFV	2002	2003	(100)	Ex-South African
Spain	2	C-295M	Transport aircraft	2003	2003	2	Deal worth \$45 m
Turkey	100	AIFV-APC	APC	2003		..	Deal worth \$42 m; assembled in Jordan; delivery 2004-2006
UK	(288)	Challenger	Main battle tank	1999	1999-2003	(288)	Ex-UK; Jordanian desig Al Hussein
	100	Challenger	Main battle tank	2002	2003	(50)	Ex-UK; aid, partly for Jordanian support in war against Iraq; Jordanian desig Al Hussein
USA	(17)	F-16A	FGA aircraft	2003	2003	(6)	Ex-US; F-16A Block-15 version; aid as reward for Jordanian support against Iraq; modernized for \$370 m to F-16MLU after delivery with equipment supplied from USA
	(562)	BGM-71 TOW	Anti-tank missile	2001	2002-2003	(562)	BGM-71E TOW-2A version
	..	BGM-71 TOW	Anti-tank missile	2002		..	Part of deal worth \$52 m for 1689 TOW-2A/2B version and training missiles for Israel, Japan, Jordan, Luxembourg and Spain
	110	Javelin	Anti-tank missile	2001	2002-2003	(110)	Deal worth \$12 m incl 30 launchers
Kazakhstan							
S: Russia	(38)	Su-27S/Flanker-B	Fighter aircraft	(1995)	1996-2003	(26)	Ex-Russian; payment for Russian debt to Kazakhstan

Kuwait						
S:	China					
(24)	PZL-45 155mm	Self-propelled gun	2001	2002-2003	(24)	Deal worth \$200 m incl PCV-45 ALV, Type-84 (Type-653) ARV and ZCY-45 and ZCL-45 (Type YW-531H) APC/CP
(24)	PCZ-45	ALV	2001	2002	(12)	Deal worth \$200 m incl 24 PZL-45 155mm self-propelled guns and Type-84 (Type-653) ARV and ZCY-45 and ZCL-45 (Type YW-531H) APC/CP
(4)	Type YW-531/Type-85	APC	2001	2002-2003	(4)	Deal worth \$200 m incl 24 PZL-45 155mm self-propelled guns and PCZ-45 ALV and Type-84 (Type-653) ARV; ZCY-45 and ZCL-45 version
(1)	Type-653	ARV	2001	2003	(1)	Deal worth \$200 m incl 24 PZL-45 155mm self-propelled guns and PCV-45 ALV and ZCY-45 and ZCL-45 (Type YW-531H) APC/CP
8	AH-64D Apache	Combat helicopter	2002		..	Deal worth \$868 m incl 8 AH-64D with Longbow radar (\$2.1 b incl training, AGM-114 missiles, spares and support); delivery 2005-2008
8	AH-64D Apache	Combat helicopter	2002		..	Deal worth \$868 m incl 8 AH-64D without Longbow radar (\$2.1 b incl training, AGM-114 missiles, spares and support); delivery 2005-2008
1	LASS	Air surv radar	2003		..	Deal worth \$85 m
384	AGM-114K Hellfire	Anti-tank missile	2002		..	Deal worth \$868 m incl 16 AH-64D helicopters
Kyrgyzstan						
S:	Russia					
2	Mi-8/Mi-17/Hip-H	Helicopter	(2003)	2003	2	Second-hand; modernized before delivery; Mi-17 version
Latvia						
S:	Norway					
1	Vidar Class	Minelayer	2002	2003	1	Ex-Norwegian
5	BLG-60	ABL	2003	2003	5	Ex-Polish; aid
1	AN/TPS-117	Air surv radar	2001	2003	1	Deal worth \$13 m; part of 'BALTNET' air-surveillance network

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Unknown country	2	Mi-8/Mi-17/Hip-H	Helicopter	(2003)		..	Mi-8MTV-1 version; delivery 2004
Lithuania							
S: Germany	(3)	TRML-CS	Air/sea surv radar	2002		..	
USA	60	FIM-92A Stinger	Portable SAM	2002		..	Deal worth \$31 m; incl 8 launchers and 2 radars
	75	Javelin	Anti-tank missile	2001		..	Deal worth \$10 m; delivery 2004
Luxembourg							
S: USA	(50)	BGM-71 TOW	Anti-tank missile	2002	2003	(50)	Part of deal worth \$52 m for 1689 TOW-2A/2B version and training missiles for Israel, Japan, Jordan, Luxembourg and Spain
Malaysia							
S: France	6	AS-55UN Fenec	Light helicopter	2001	2003	(3)	Deal worth \$38 m
	40	SM-39 Exocet	Anti-ship missile	2002		..	For Scorpene submarines; delivery 2007-2008
	1	Agosta Class	Submarine	2002		..	Ex-French; modernized before delivery; incl for 4-year training of Malaysians in France; delivery probably 2003
	1	Scorpene Class	Submarine	2002		..	Deal worth \$947 m-\$1.1 b (incl over 50% barter) incl 1 delivered by Spain; delivery 2007
Germany	6	TRS-3D	Air/sea surv radar	(2000)		..	For 6 MEKO-A100 Type frigates
	2	MEKO-A100 Type	Frigate	1999		..	'New Generation Patrol Vessel' (NGPV) programme worth \$1.4 b incl 4 licensed production; MEKO-100RMN version; assembled in Malaysia; delivery 2004
Indonesia	2	CN-235MPA	MP aircraft	2002		..	Deal worth \$34 m; delivery 2004

Italy	11	A-109K	Light helicopter	2003	..	Deal worth \$70-75 m (offsets incl technology transfer); A-109LUH armed version; probably incl some assembled in Malaysia
	1	RAT-31S	Air surv radar	2001	1	Deal worth \$54 m; RAT-31DL version
	6	Skyguard	Fire control radar	(2000)	..	For 6 MEKO-A100 Type frigates; design uncertain
	(30)	Black Shark 533mm	AS torpedo	2002	..	For Scorpene Class submarines
	(24)	Otomat Mk-2	Anti-ship missile	(2001)	(24)	For Laksmana (Assad) Class corvettes
Poland	3	MID-M	AEV	2003	..	Deal worth \$375 m incl 48 PT-91M tanks, 6 WZT-4 ARVs and 5 PMC ABLs (offsets worth \$111 m); delivery 2005-2006
	5	PMC-90	ABL	2003	..	Deal worth \$375 m incl 48 PT-91M tanks, 6 WZT-4 ARVs and 3 MID-M AEVs (offsets worth \$111 m); PMC Leguan version; delivery 2005-2006
	48	PT-91	Main Battle Tank	2003	..	Deal worth \$368-400 m incl 6 WZT-4 ARVs, 5 PMC ABLs and 3 MID-M AEVs (offsets worth \$111 m); PT-91M version; delivery 2005-2006
	6	WZT-4	ARV	2003	..	Deal worth \$375 m incl 48 PT-91M tanks, 5 PMC ABLs and 3 MID-M AEVs (offsets worth \$111 m); PT-91M version; delivery 2005-2006
Russia	10	Mi-8/Mi-17/Hip-H	Helicopter	2003	..	Deal worth \$70 m; Mi-171Sh armed version; delivery 2004
	18	Su-30MK/Flanker	FGA aircraft	2003	..	Deal worth \$900 m (incl \$270 m barter; offsets incl space technology transfer and training of Malaysian astronaut); Su-30MKM version; delivery 2006-2007
	17	N-019ME Topaz	Combat ac radar	(1999)	(11)	For modernization of 17 MiG-29N FGA aircraft
	(204)	AA-12 Adder/R-77	BVR/AAM	(1997)	..	For MiG-29N FGA aircraft; status uncertain
	382	SA-16 Gimlet/Igla-1	Portable SAM	2002	(382)	Deal worth \$48 m; deal incl also 40 launchers
Spain	1	Scorpene Class	Submarine	2002	..	Deal worth \$947 m-\$1.1 b (incl over 50% barter) incl 1 delivered by France; delivery 2008
Turkey	44	AIFV	IFV	2000	(44)	Deal worth \$278-300 m incl 167 other versions; Malaysian desig Adnan; option on more
	167	AIFV-APC	APC	2000	(167)	Deal worth \$278-300 m incl 44 IFV version; incl ambulance, ALV, 81mm mortar carrier and CP

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
UK	6	Super Lynx	ASW helicopter	1999	2003	6	version; incl assembly of 65 in Malaysia; Malaysian desig Adnan; option on more
	9	Jernas	SAM system	2002		..	Deal worth \$158-167 m
	72	Rapier Mk-2	SAM	2002		..	Deal worth \$316 m (offsets incl production of components in Malaysia); delivery from 2004 For Jernas SAM system
L: Germany	4	MEKO-A100 Type	Frigate	1999		..	*New Generation Patrol Vessel* (NGPV) programme worth \$1.4 b incl 2 delivered direct; MEKO-100RMN version; delivery from 2005
Mexico							
S: Brazil	1	EMB-145AEW&C	AEW&C aircraft	2001		..	Deal worth \$230-250 m incl 2 MP version; incl for SIGINT; mainly for anti-narcotics operations; delivery 2004
	2	EMB-145MP	MP aircraft	2001		..	Deal worth \$230-250 m incl 1 AEW version; mainly for anti-narcotics operations; delivery 2004
France	2	AS-365/AS-565 Panther	Helicopter	2003		..	AS-565 version; option on 8 more; delivery 2005
Israel	3	E-2C Hawkeye	AEW&C aircraft	2002	2003	(1)	Ex-Israeli; deal worth \$18 m; delivery 2003-2004
	2	Aliya Class	FAC(M)	2003		..	Ex-Israeli; deal worth \$64 m or \$90 m
Russia	2	Mi-8/Mi-17/Hip-H	Helicopter	2002	2003	(2)	Deal worth \$8 m; Mi-17-V1 version
Sweden	1	PS-890 Erteyc	AEW aircraft radar	2001		..	For 1 EMB-145 AEW aircraft delivered from Brazil; delivery 2004
USA	2	Sea Vue	MP aircraft radar	2001		..	For 2 EMB-145 MP aircraft delivered from Brazil
	8	Sea Vue	MP aircraft radar	2002		..	For modernization of 8 C-212 MP aircraft

Myanmar (Burma)						
S: Ukraine	(50)	T-72	Main battle tank	(2002)	2002–2003	(50) Ex-Ukrainian
Namibia						
S: Italy	1	AB-139	Helicopter	2002	2003	1 Deal worth \$8 m
Nepal						
S: Belarus	2	Mi-8/Mi-17/Hip-H	Helicopter	2002	2003	2 Ex-Belarus; financed by UK for police use against Maoist rebels
Poland	1	M-28 Skytruck	Light transport ac	2003		.. Aid; delivery 2004
UK	2	BN-2A/B Islander	Light transport ac	2003		.. Second-hand; deal worth \$6.2 m; probably via Australian broker; for use against Maoist rebels;
Unknown country	2	Mi-24D/Mi-25/Hind-D	Combat helicopter	2002		.. status uncertain
Netherlands						
S: Germany	39	PzH-2000 155mm	Self-propelled gun	2002		.. Deal worth \$420 m (offsets 100%) for 57 of which 18 sold to Norway before delivery to Netherlands; delivery 2004–2009
	3	Patriot	SAM system	2002	2002–2003	(3) Ex-German; deal worth \$79 m incl 96 MIM-104 missiles (incl \$42 m in cash and \$27 m in services)
	96	MIM-104 PAC-2	SAM	2002	2002–2003	(96) Ex-German; deal worth \$79 m incl 3 Patriot SAM systems (incl \$42 m in cash and \$27 m in services); Patriot GEM version
Israel	2	Spike-MR/LR	Anti-tank missile	2001		.. Deal worth \$150–225 m; delivery from 2003
Italy	4	127mm/54	Naval gun	1996	2002–2003	2 Ex-Canadian guns sold back to producer and modernized before delivery; for 4 De Zeven Provinciën Class destroyers
Norway	3	NASAMS	SAM system	2003		.. Ex-Norwegian; exchanged for 18 PzH-2000 self-propelled guns; delivery 2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
USA	139	AN/APG-66	Combat ac radar	1993	1996-2002	(138)	For 'Mid-Life Update' (MLU) modernization of 139 F-16A/B FGA aircraft to F-16AM/BM (F-16C/D) version; delivery 1996-2003
	24	AN/APG-78 Longbow	Combat ac radar	(2003)	..	..	For modernization of 24 AH-64D helicopters; contract not yet signed
	(240)	RIM-162 ESSM	SAM	2002	..	..	For De Zeven Provinciën Class destroyers
	(164)	RIM-66M Standard-2	SAM	(2002)	2003	(41)	For De Zeven Provinciën Class destroyers
New Zealand							
S: Canada	105	Piranha/LAV-25	IFV	2001	2003	(15)	Deal worth \$241-388 m (offsets worth \$3 m); delivery 2003-2004
Netherlands	2	Boeing-757-200	Transport aircraft	2003	2003	2	Second-hand; deal worth \$117 m
USA	1	SH-2G Super Seasprite	ASW helicopter	1999	2003	1	Deal worth \$23 m; SH-2G(NZ) version
	(164)	Javelin	Anti-tank missile	2003	..	..	'Project Crossbow' worth \$19 m incl 24 launchers and 24 40mm grenade-launchers; delivery 2004
Nigeria							
S: Poland	67	MT-LB	APC	(2002)	2003	67	Deal worth \$6.5 m; financed by UN and/or USA for use by Nigerian peacekeeping forces in Sierra Leone; incl 6 ARV, 1 ambulance and 6 CP version
Russia	4	Mi-8/Mi-17/Hip-H	Helicopter	(2002)	2003	4	Mi-171(Sh) armed version
USA	7	Balsam Class	Cargo ship	2002	2003	4	Ex-US; 'SAP' aid; mainly for use as OPV; Nigerian desig Kyanna Class
Norway							
S: Finland	2	XA-200	APC	2002	..	..	XA-203M CP version
France	6	MRR-3D	Air surv radar	(2003)	..	..	MRR-3D(NG) version; for 6 Skjold Class FAC; delivery 2006-2009

Germany	150	IRIS-T	SRAAM	(2003)	..	Delivery 2005–2007
Multiple sellers	6	NH-90 NFH	ASW helicopter	2001	..	Deal worth \$425 m incl 8 NH-90 TTH version; for Coast Guard; ordered from France and Germany and assembled in Finland; delivery 2005–2008
	8	NH-90 TTH	Helicopter	2001	..	Deal worth \$425 m incl 6 NH-90 NFH version; for Coast Guard; for SAR; ordered from France and Germany and assembled in Finland; option on 10 more; delivery 2005–2008/2009
Netherlands	18	PzH-2000 155mm	Self-propelled gun	2003	..	Originally ordered for Dutch Army but sold to Norway in return for 3 NASAMS SAM systems
Spain	5	Mod. F-100 Class	Frigate	2000	..	Deal worth \$1.5 b incl radars from USA (offsets 100% in 10 years incl NASAMS SAM system and Penguin missiles for Spain); incl 3 assembled or produced in Norway; Norwegian desig Nansen Class; delivery 2005–2009
Sweden	6	Ceros-200	Fire control radar	(2003)	..	For 6 Skjold Class FAC; delivery 2006–2009
USA	5	AN/SPY-1F	Air surv radar	(2000)	..	Deal worth \$500 m incl AEGIS combat system and Mk-41 SAM launchers; for 5 Nansen Class frigates
	(240)	RIM-162 ESSM	SAM	(2000)	..	For F-100 (Nansen) Class frigates
Oman						
S: France	(81)	VBL	Reconnaissance veh	2000	(81)	Incl some with ALBI Mistral SAM launcher
	(100)	Mistral	Portable SAM	2000	(100)	For use with ALBI launcher on VBL armoured vehicle; Mistral-2 version
UK	16	Super Lynx	ASW helicopter	2002	..	Incl ARV, CP, 81mm mortar carrier, ambulance, artillery observation version
	80	Piranha 8x8	APC	2000	(80)	Deal worth \$1.1 b incl armament and LANTIRN radars (\$224 m for aircraft only); F-16C/D Block-50 version; delivery 2005–2006
USA	12	F-16C	FGA aircraft	2002	..	For F-16C FGA aircraft
	14	LANTIRN	Combat ac radar	2002	..	For F-16C FGA aircraft
	80	AGM-65D Maverick	ASM	(2002)	..	For F-16C FGA aircraft; AGM-65D/E version
	50	AIM-120C AMRAAM	BVRAAM	2002	..	For F-16C FGA aircraft; delivery 2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	100 (562)	AIM-9M Sidewinder BGM-71 TOW	SRAAM Anti-tank missile	2002 2001	2002-2003	.. (562)	For F-16C FGA aircraft; AIM-9M-8/9 version BGM-71E TOW-2A version
	20	RGM-84 Harpoon	Anti-ship missile	2003		..	Deal worth \$22 m; AGM-84D version for F-16C FGA aircraft
Pakistan							
S: China	(55)	F-7MG	Fighter aircraft	(2001)	2001-2003	(55)	F-7PG version; incl 6 or 9 FT-7PG version
	11	F-7MG	Fighter aircraft	(2002)	2003	(11)	F-7PG version
	(150)	JF-17	FGA aircraft	1999		..	Developed for Pakistan; incl assembly in Pakistan; delivery possibly from 2004
	(6)	K-8 Karakorum-8	Jet trainer aircraft	(2001)	2003	6	
	2	Type-347G	Fire control radar	(2003)		..	For 2 Jalalat Class FAC
	(16)	C-802/CSS-N-8 Saccade	Anti-ship missile	(2003)		..	For Jalalat Class FAC
France	(96)	F-17P	AS torpedo	(1996)	1999-2003	(60)	F-17P Mod-2 version; for Agosta-90B Type (Khalid Class) submarines
	(24)	SM-39 Exocet	Anti-ship missile	1994	1999-2003	(22)	Deal worth \$100 m; for Agosta-90B Type (Khalid Class) submarines
	3	Agosta-90B Type	Submarine	1994	1999-2003	2	Deal worth \$750 m (+ \$200 m for modernization of Pakistan Naval Dockyard to build submarines); incl 2 assembled in Pakistan; Pakistani desig Khalid Class; delivery 1999-2006
Indonesia	4	CN-235	Transport aircraft	2001	2002-2003	(3)	Deal worth \$49 m; CN-235-220 version; delivery before 2005
Sweden	..	RBS-70	Portable SAM	(1985)	1988-2003	(400)	Assembled in Pakistan
	(24)	Type-43 400mm	ASW torpedo	1994	1999-2003	(20)	Type-43X2 version; for modernized Tariq (Amazon) Class frigates
USA	6	C-130E Hercules	Transport aircraft	2003		..	Ex-Australian aircraft sold back to US producer and transferred to Pakistan

	(6)	AN/FPS-88	Air surv radar	(2003)	..	Deal worth \$155 m; L-88 version on balloon; for Afghan border patrol; contract not yet signed	
L: China	..	QW-1 Vanguard	Portable SAM	(1993)	(750)	Pakistani desig Anza-2	
	..	Red Arrow-8	Anti-tank missile	1989	(10 600)	Pakistani desig Bakhtar Shikan	
Italy	(135)	Grifo-7	Combat ac radar	1995	(101)	For modernization of some 35 Mirage-3 and 100 F-7P fighter aircraft	
	(12)	Grifo-7	Combat ac radar	(2002)	..	Grifo-7PG version; for 12 F-7MG (F-7PG) fighter aircraft; contract not yet signed	
Sweden	(150)	MFI-17 Supporter	Trainer aircraft	(2001)	..	Super Mushshak version	
Paraguay							
S: Spain	1	C-212 Aviocar	Transport aircraft	2003	..	C-212-400 version; delivery 2004	
Philippines							
S: Thailand	8	OV-10 Bronco	Ground attack ac	2003	4	Ex-Thai; aid; OV-10C version	
USA	8	Bell-205/UH-1H	Helicopter	2001	8	Ex-US; aid	
	20	Bell-205/UH-1H	Helicopter	2003	..	Ex-US; part of \$30 m aid; possibly 10 more delivered for spares only; delivery 2005/2006	
	20	Bell-205/UH-1H	Helicopter	2003	..	Second-hand; deal worth \$12 m; bought via Singapore; delivery 2004	
	10	Bell-205/UH-1H	Helicopter	2003	..	Deal worth \$8 m; delivery 2005/2006	
	4	C-130K Hercules	Transport aircraft	(2002)	..	Ex-UK aircraft sold back to US producer; deal worth \$41 m; modernized before delivery; incl for MP	
Poland							
S: Germany	23	MiG-29S/Fulcrum-C	FGA aircraft	2002	2003	10	Ex-German; aid; MiG-29G version; incl 4 MiG-29GT version; delivery 2003-2004
	6	BrPz-1 Biber	ABL	2002	2003	(6)	Ex-German; part of aid worth \$300-380 m; for Polish brigade operating as part of German division
	10	Buffel	ARV	2002	2003	(10)	Ex-German; part of aid worth \$300-380 m; for Polish brigade operating as part of German division

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	4	Keiler	AMV	2002	2003	(4)	Ex-German; part of aid worth \$300-380 m; for Polish brigade operating as part of German division
	128	Leopard-2A4	Main battle tank	2002	2002-2003	(128)	Ex-German; part of aid worth \$300-380 m; for Polish brigade operating as part of German division
	35	M-113A2	APC	2002	2003	(35)	Ex-German; aid; incl 16 ambulance and 19 M-577 CP version; part of deal worth \$300-380 m; for Polish brigade operating as part of German division
	(100)	AA-10a/b Alamo/R-27	BVRAAM	2002	2003	(50)	Polish brigade operating as part of German division
	(400)	AA-11 Archer/R-73	SRAAM	2002	2003	(200)	Ex-German; aid; for MiG-29 fighter aircraft
	(150)	AA-8 Aphid/R-60	SRAAM	2002	2003	(75)	Ex-German; aid; for MiG-29 fighter aircraft
Italy	3	RAT-31S/L	Air surv radar	(2002)		..	Deal worth \$38 or \$90 m; part of NATO 'NADGE' air-surveillance network; RAT-31DL version; delivery 2006-2007
Multiple sellers	..	MU-90 Impact	ASW torpedo	(2002)		..	Incl for Mi-14PL and SH-2G helicopters and MEKO-A100 Type and Perry (Pulaski) Class frigates; ordered from Germany, Italy or France
Netherlands	3	STING	Fire control radar	2001		..	For modernization of 3 Orkan Class corvettes
Norway	(34)	Mk-37 480mm	AS torpedo	2002	2002-2003	(25)	Ex-Norwegian; aid; for Kobben Class submarines
	(30)	Type-613 533mm	AS torpedo	2002	2002-2003	(25)	Ex-Norwegian; aid; for Kobben Class submarines
	4	Type-207	Submarine	2002	2002-2003	3	Ex-Norwegian; aid; 1 more delivered for spares only; delivery 2002-2004
Spain	8	C-295M	Transport aircraft	2001	2003	2	Deal worth \$212 m (offsets 100%); option on 4; delivery 2003-2005
Sweden	3	Giraffe AMB-3D	Air surv radar	2001		..	Sea Giraffe AMB version; for modernization of 3 Orkan Class corvettes
	(60)	RBS-15 Mk-3	Anti-ship missile	(2001)		..	For 3 Orkan Class corvettes and probably for 2 MEKO-A100 Type frigates; contract not yet signed
UK	(78)	AS-90 turret	Turret	1999		..	For use on Polish chassis; Polish desig Chrobry or Krab; incl assembly in Poland; delivery 2004-2016

USA	(6)	C-130K Hercules	Transport aircraft	(2003)	..	Ex-UK aircraft returned to producer and sold to Poland; deal worth \$45-50 m; incl 2 C-130H-30 version; modernized before delivery; delivery 2005-2006; contract not yet signed
	48	F-16C	FGA aircraft	2003	..	'Peace Sky-1' deal worth \$3.5 b (worth \$4.7 b incl interest; offsets worth \$6 b or \$12.5 b); delivery 2006-2008
	4	SH-2G Super Seasprite	ASW helicopter	2001	2002-2003	Ex-US; aid (re-activation and training paid with \$20-22 m US loan)
	13	MSTAR	Ground surv radar	2003	2003	Deal worth \$5.6 m; AN/PPS-5C version; delivery 2003-2004
	384	AIM-120B AMRAAM	BVRAAM	(2002)	..	
	..	RIM-162 ESSM	SAM	(2003)	..	For MEKO-A100 Type frigates; contract not yet signed
L: Finland	313	AMV	IFV	2003	..	'Suhak' programme worth \$1.3-1.4 b incl 32 reconnaissance and 345 other version (offsets 133%); delivery 2004-2013
	345	AMV	APC	2003	..	'Suhak' programme worth \$1.3-1.4 b incl 313 IFV and 32 reconnaissance version (offsets 133%); delivery 2004-2013
	32	AMV	Reconnaissance veh	2003	..	'Suhak' programme worth \$1.3-1.4 b incl 313 IFV and 345 other version (offsets 133%); delivery 2006-2009
Germany	2	MEKO-A100 Type	Frigate	2001	..	Polish design Project-621 Gawron-2 Type; option on 2-5 more; delivery 2004-2006
Israel	(2 675)	Spike-MR/LR	Anti-tank missile	2003	..	Deal worth \$397 m incl 264 launchers (offsets worth \$826 m); Spike-LR version; delivery 2004-2013
Russia	10	An-28TD Bryza-1TD	Light transport ac	2001	2001-2003	(10)
Portugal						
S: France	12	EC-120B Colibri	Light helicopter	2003	..	

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Germany	2	Type-209/1400	Submarine	(2003)		..	Deal worth \$970 m (offsets 100%); option on 1 more; delivery 2008; contract not yet signed
Multiple sellers	12	EH101-400	Helicopter	2001		..	Deal worth \$287-315 m (incl 1 financed by EU for fishery protection); for SAR; suppliers Italy and UK; delivery 2004-2006
USA	20	F-16A	FGA aircraft	1998	2003	(5)	Ex-US; 'Peace Atlantis-2' deal worth \$268 m; modernized to F-16AM (F-16C) version in Portugal after delivery with US kits; incl 4 F-16B version; 5 more delivered for spares only; delivery 2003-2006
	12	AIM-120C AMRAAM	BVRAAM	(2002)		..	
Qatar							
S: France	(48)	Apache	ASM	1994	1999-2003	(48)	For Mirage-2000-5 FGA aircraft; Black Pearl version
Romania							
S: France	..	R-550 Magic-2	SRAAM	(1996)	2003	(10)	For MiG-21 Lancer (modernized MiG-21MF) and possibly for MiG-29 fighter aircraft; may incl assembly or licensed production in Romania; status uncertain
Germany	(32)	Gepard	AAV(G)	(1997)	1999-2003	14	Ex-German; aid worth \$37 m; possibly modernized before delivery; 11 more delivered for spares only; delivery 1999-2004
Israel	(960)	Spike-ER	Anti-tank missile	(1998)	1999-2003	(550)	For modernized SA-330 (IAR-330) helicopters
	..	Spike-MR/LR	Anti-tank missile	(2003)		..	For modernized MLI-84 IFVs; contract not yet signed
UK	2	Boxer Class	Frigate	(2002)		..	Ex-UK; deal worth \$186 m (offsets 80-90%); modernized before delivery; delivery 2004-2005
USA	21	AN/TPS-73 MMSR	Air surv radar	2003		..	Delivery 2004-2008

	(2)	Il-76M/Candid-B	Transport aircraft	(2002)	2003	(2)	Il-76MF version; status uncertain
Russia							
S: Uzbekistan							
Saudi Arabia							
S: Canada	(16) 130	Bell-412SP Piranha/LAV-90	Helicopter AFSV	2001 2000	2002-2003 2000-2003	(16) (130)	Bell-412RSAF version Deal worth \$416 m incl 1827 BGM-71 missiles; ordered via USA as part of 1990 deal worth \$700 m including 987 other version; for National Guard
France	(72) (24) (48)	ASTER-15 SAAM F-17P MM-40 Exocet	SAM AS torpedo Anti-ship missile	(1997) (1997) 1994	2002-2003 2002-2003 2000-2003	(48) (16) (20)	For F-3000S Type (Al Riyadh Class) frigates For F-3000S Type (Al Riyadh Class) frigates For F-3000S Type (Al Riyadh Class) frigates; MM-40 Block-2 version
Russia	3	F-3000S Type	Frigate	1994	2002-2003	2	'Sawari-2' deal worth \$3.4 b incl other weapons and construction of a naval base (offsets 35%); also designated Modified La Fayette Type; Saudi desig Al Riyadh Class; delivery 2002-2004
Pakistan	(30)	MFI-17 Supporter	Trainer aircraft	(2003)		..	Super Mushshak version; contract not yet signed
USA	105 500 (562)	AGM-65D Maverick AIM-120C AMRAAM BGM-71 TOW	ASM BVRAAM Anti-tank missile	2001 2000 2001	2002-2003 2003 2002-2003	(105) (100) (562)	Deal worth \$21 m; including 7 AGM-65G version For F-15 FGA aircraft BGM-71E TOW-2A version
Singapore	(144)	ASTER-15 SAAM La Fayette Class	SAM Frigate	(2001) 2000		.. ..	For La Fayette Class frigates 'Project Delta' worth \$1.6 b (incl \$750 m for ships only); incl 5 assembled in Singapore; Singaporean desig Formidable Class; delivery 2007-2009
S: France							
Israel	(600)	Python-4 Spike-MR/LR	BVRAAM Anti-tank missile	(1997) 1999	1997-2003 2001-2003	(560) (600)	For F-5S and F-16 FGA aircraft Probably Spike-LR version; assembled in Singapore
USA	12	AH-64D Apache	Combat helicopter	2001		..	'Peace Vanguard' deal worth \$617 m; delivery by 2005; stationed in USA until 2008
	20	F-16C	FGA aircraft	(2000)	2003	(2)	F-16D version
	54	M-109 chassis	Gun chassis	(2001)	2001-2003	(54)	For use with Singaporean 155mm gun turret

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	(192) 100	AGM-114K Hellfire AIM-120C AMRAAM	Anti-tank missile BVRAAM	(2001) 2001	2002-2003	.. (100)	For AH-64D helicopters Deal worth \$85-100 m; for F-16 and possibly F-5S FGA aircraft; stored in USA until 2003
L: Russia	(3 000)	SA-16 Gimlet/Igla-1	Portable SAM	(2001)		..	Status uncertain
Slovenia							
S: France	2	AS-532UL/AS-332L1	Helicopter	2001	2003	2	Deal worth \$24 m; AS-532AL version
	2	AS-532UL/AS-332L1	Helicopter	2002		..	Deal worth \$35 m; incl for SAR; AS-532AL version; delivery 2004
L: Austria	36 36	Pandur Pandur	APC APC	1998 2003	1999-2003	(36) ..	Slovenian desig Valuk Slovenian desig Valuk
South Africa							
S: France	(64)	MM-40 Exocet	Anti-ship missile	2000		..	For MEKO-A200 Type frigates
Germany	4	MEKO-A200 Type	Frigate	(2000)		..	Deal worth \$0.8-1.1 b (offsets \$3.2 b incl \$403 m for arms industry); South African desig Amatola Class; delivery 2004-2005
	3	Type-209/1400	Submarine	1999		..	Deal worth \$600-795 m (offsets 375-430%); Type- 209/1400MOD version; delivery 2005-2007
Italy	30	A-109K	Light helicopter	1999	2003	(5)	Deal worth \$240 m (offsets \$977 m incl \$191 m for arms industry; incl transfer of production-line of A-109 and A-119 to South Africa); A-109ULH version; incl 25 assembled in South Africa; option on 10 more; delivery 2003-2005
Netherlands	2	PAGE	Air surv radar	2003		..	Part of 'Ground Based Air Defence System' (GBADS) programme

Sweden	9	JAS-39 Gripen	FGA aircraft	1999	..	Deal worth \$1.2 b incl 12 Hawk-100 from UK (offsets \$8.7 b incl \$1.5 b for arms industry); JAS-39B version; for delivery 2007-2009; option on 19 more	
UK	12	Hawk-100	FGA/trainer aircraft	2002	..	Hawk-100LIFT/Hawk-120 version; assembled in South Africa	
	12	Hawk-100	FGA/trainer aircraft	1999	..	Deal worth \$1.2 b incl 9 JAS-39 from Sweden (offsets \$8.7 b incl \$1.5 b for arms industry); incl 11 assembled in South Africa; Hawk-100LIFT/Hawk-120 version; delivery 2005	
	4	Super Lynx	ASW helicopter	2003	..	Deal worth \$107 m (\$173 m offsets incl 88 for South African arms industry); delivery 2007	
	(72)	Starstreak	Portable SAM	2003	..	Deal worth \$12.5 m; part of 'Ground Based Air Defence System' (GBADS) programme	
USA	4	AN/APS-143(V)	MP aircraft radar	2003	..	For 4 Super Lynx helicopters	
South Korea							
S: France	(48)	Crotale-NG	SAM system	(1999)	1999-2003	(38)	Part of Korean Chun Ma or Pegasus AAV(M); for use with Korean developed SAM
Netherlands	3	Goalkeeper	CIWS	1999	..	..	For 3 KDX-2 Type frigates; delivery from 2004
	5	Goalkeeper	CIWS	2003	..	..	Deal worth \$54 m; for 1 LPX Class AALS and 3 KDX-3 Class frigates
Russia	23	Il-103	Light aircraft	2002	2003	(23)	Deal worth \$9 m (incl \$4.5 m payment of Russian debt); for training
	7	Ka-32A/Helix-C	Helicopter	2002	2003	(2)	Payment of Russian debt; transport version; delivery 2003-2004
	30	BM(P)-3	IFV	2002	2003	(6)	Payment of Russian debt; delivery 2003-2006
	3	T-80U	Main battle tank	2002	2003	(1)	Payment of Russian debt; delivery 2003-2006
	..	AT-13 Saxhorn/9M131	Anti-tank missile	2002	2003	(50)	Payment of Russian debt; delivery 2003-2006
Sweden	..	Ceros-200	Fire control radar	2003	..	..	For PKX Type FAC; delivery from 2006/2007
USA	40	F-15K	Fighter/bomber ac	2002	..	..	'F-X' programme worth \$4.4 b (offsets 65.83%); F-15K version; delivery 2005-2008
	29	M-270 MLRS	MRL	2002	2002-2003	(19)	Deal worth \$498 m; delivery 2002-2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	3	Mk-45 127mm/54	Naval gun	1999		..	Deal worth \$22 m; Mk-45 Mod-4 version; for 3 KDX-2 Type frigates; assembled in South Korea
	(44)	AN/APG-67	Combat ac radar	(2003)		..	For 44 A-50 FGA aircraft; contract not yet signed
	3	AN/SPS-49	Air surv radar	(1999)		..	For 3 KDX-2 Type frigates
	3	AN/SPY-1D	Air surv radar	(2002)		..	For 3 KDX-3 Type destroyers
	3	AN/TPS-117	Air surv radar	2002		..	Deal worth \$39 m; delivery 2004
	..	Tiger Eyes	Combat ac radar	2002		..	Deal worth \$164 m; for F-15K FGA aircraft; delivery 2004-2005
	147	AIM-120C AMRAAM	BVRAAM	2002		..	Deal worth \$110 m incl AIM-9X missiles; delivery 2004
	..	AIM-9X Sidewinder	SRAAM	2002		..	Deal worth \$110 m incl AIM-120 missiles; for F-15K FGA aircraft
	111	MGM-140A1 ATACMS	SSM	2001		..	Deal worth \$81 m; delivery 2004
	(72)	RGM-84 Harpoon	Anti-ship missile	(1994)	1998-2003	(72)	UGM-84 version; for Type-209 (Chang Bogo Class) submarines
	64	RIM-116A RAM	SAM	2001		..	For KDX-2 Type frigates
	110	RIM-66M Standard-2	SAM	2000		..	Deal worth \$159 m; for KDX-2 Type frigates
L: Germany	3	Type-214	Submarine	2000		..	*KSS-2* programme worth \$1.1 b (incl \$711 m import from Germany); delivery 2007-2009
Netherlands	3	MW-08	Air surv radar	1999		..	For 3 KDX-2 Type frigates
	6	STIR	Fire control radar	1999		..	For 3 KDX-2 Type frigates
USA	20	F-16C	FGA aircraft	2000	2003	(10)	Deal worth \$663 m; F-16 Block-52 version; incl 5 F-16D version; for use as reconnaissance aircraft; Korean desig KF-16; delivery 2003-2004
	67	LVTP-7A1/AAV-7A1	APC	2000	2001-2003	(36)	Deal worth \$99-120 m; Korean desig KAAV (Korean Armoured Amphibious Vehicle); delivery 2001-2006

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	31	AIM-120C AMRAAM	BVRAAM	(2002)		..	Deal worth \$21 m; for F/A-18 FGA aircraft
	..	BGM-71F TOW-2B	Anti-tank missile	2002		..	Part of deal worth \$52 m for 1689 TOW-2A/2B version and training missiles for Israel, Japan, Jordan, Luxembourg and Spain
	226 (384)	Javelin RIM-162 ESSM	Anti-tank missile SAM	(2001) (2003)		..	Deal worth \$25 m incl 12 launchers; status uncertain
	29	RIM-66M Standard-2	SAM	(2002)		..	For De Bazán (F-100) Class frigates; contract not yet signed
						..	Deal worth \$29 m; SM-2 Block-3A version; for De Bazán (F-100) Class frigates
L: Germany	12	Buffel	ARV	1998		..	Deal worth \$2.2 b (offsets 80%) incl 4 direct delivered and 219 Leopard-2A5+ tanks
	189	Leopard-2A5+	Main battle tank	1998		..	Deal worth \$2.2 b (offsets 80%) incl 30 direct delivered and 16 Buffel ARVs; Leopard-2A5E version; delivery 2005-2008
Sri Lanka							
S: Czech Republic	(16)	VT-55	ARV	2000	2002-2003	(16)	Ex-Czech; aid; delivered via and possibly modernized in Slovakia; for use against LTTE rebels
USA	2	AN/TPQ-36 Firefinder	Arty locating radar	(2000)		..	Deal worth \$22 m; status uncertain
Sudan							
S: Russia	12	MiG-29S/Fulcrum-C	FGA aircraft	2002		..	Deal worth \$120 m; status uncertain
Sweden							
S: Finland	104	XA-200	APC	2000	2001-2003	(104)	Deal worth \$67 m; for peacekeeping forces; XA-200S version; including 18 XA-202S CP version

	63	XA-200	APC	2002	2003	(5)	Deal worth \$37 m; XA-2025 version; delivery 2003–2008
Germany	14 (250)	Buffel IRIS-T	ARV SRAAM	1999 (2003)	2002–2003	(14)	Deal worth \$125 m; Swedish desig Bgbv-120 Contract not yet signed
Italy	20	A-109K	Light helicopter	2001	2002–2003	(4)	Deal worth \$113 m; A-109M version; Swedish desig Hkp-15; incl for training; incl components made in South Africa as offsets for South African order for JAS-39 combat aircraft; delivery 2002–2007
Multiple sellers	18	NH-90 TTH	Helicopter	2001		..	Deal worth \$660 b (offsets 100% incl production of parts for 200 NH-90 worth \$220 m); incl 5 for SAR; Swedish desig Hkp-14; ordered from France and Germany and assembled in Finland; delivery 2005–2009
USA	(5) ..	AN/APS-143(V) AIM-120C AMRAAM	MP aircraft radar BVRAAM	2002 (2003)		.. ..	Deal worth \$7.6 m; for 5 NH-90 helicopters Deal worth \$53 for 106 AIM-120C-5 version for Greece and Sweden; delivery by 2005
Switzerland							
S: Germany	25	Buffel	ARV	2001		..	Deal worth \$63-70 m (offsets 10.5%); delivery 2004–2005
UK	(2 000)	Rapier Mk-2	SAM	(2002)		..	Assembled in Switzerland; delivery 2004–2007
USA	24 (222)	PSTAR-ER AIM-9X Sidewinder	Air surv radar SRAAM	2003 2002		.. ..	Deal worth \$24 m; delivery 2004 Deal worth \$104 m; for F/A-18CD aircraft
L: Sweden	185	CV-9030CH	IFV	2000	2002–2003	(59)	'Schutzenpanzer-2000' programme worth \$424 m incl 1 direct delivered; incl 32 CV-9030CH-COM CP version; delivery 2002–2005; option on 124 more
Syria							
S: Russia	(14)	Su-27SK/Flanker-B	FGA aircraft	(1999)		..	Status uncertain

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Taiwan							
S: USA	9	CH-47D Chinook	Helicopter	1999	2002-2003	(9)	Deal worth \$300-486 m; CH-47SD version
	2	E-2C Hawkeye	AEW&C aircraft	1999	2003	1	Deal worth \$400 m; E-2T version; delivery 2003-2004/2005
	54	LVTP-7A1/AAV-7A1	APC	2003		..	Deal worth \$64-156 m; ex-US AAV-7A1 rebuild to AAV-7A1 RAM/RS; incl 4 CP and 2 ARV version; delivery from 2005
	11	AN/FPS-117	Air surv radar	2002		..	Incl 4 AN/TPS-117 version
	40	AGM-65G Maverick	ASM	(2001)	2003	(40)	Deal worth \$18 m; for F-16 FGA aircraft
	..	AGM-88 HARM	Anti-radar missile	(2001)	2002-2003	(53)	
	200	AIM-120C AMRAAM	BVRAAM	2000	2001-2003	(200)	Deal worth \$150 m; for F-16 FGA aircraft; stored in USA until 2003 when delivered to Taiwan after China introduced similar AA-12 missiles in 2002/2003
	182	AIM-9M Sidewinder	SRAAM	2003		..	Deal worth \$17 m; AIM-9M-2 version; delivery by 2006
	290	BGM-71F TOW-2B	Anti-tank missile	2002	2003	(145)	Deal worth \$18 m
	360	Javelin	Anti-tank missile	(2002)		..	Deal worth \$51 m incl 40 launchers
	(22)	RGM-84L Harpoon	Anti-ship missile	(2003)		..	RGM-84L Block-2 version; for Kidd Class destroyers
	(100)	RIM-66M Standard-2	SAM	(2003)		..	SM-2 Block-3A version; for Kidd Class destroyers
	4	Kidd Class	Destroyer	(2003)		..	Ex-US; deal worth \$740 m; contract not yet signed
L: USA	8	Perry Class	Frigate	1989	1993-98	7	Taiwanese desig Cheng Kung Class; 'Kwang Hua-1' project; order for last 1 delayed from 1997 to 2001 for financial reasons; delivery 1993-2004
Tanzania							
S: UK	1	Watchman	Air surv radar	2001		..	Deal worth \$40 m

Thailand

S: China	2	OPV-85m Type	OPV	2002	..	Deal worth \$66-88 m
Italy	2	RAN-30X	Air surv radar	(2002)	..	For 2 OPV-85m Type
New Zealand	8	CT-4 Airtrainer	Trainer aircraft	2003	..	CT-4E version; Thai desig BF-16; delivery 2004
UK	2	Super Lynx	ASW helicopter	2001	..	Deal worth \$25 m (offsets 50%)
USA	30	Bell-205/UH-1H	Helicopter	2001	(25)	Ex-US; aid; modernized before delivery for about \$37 m; delivery 2002-2003/2004
	6	Bell-209/AH-1F	Combat helicopter	2001	(3)	Ex-US; aid; modernized before delivery for about \$7 m; delivery 2003-2004
	16	F-16A	FGA aircraft	2000	(16)	Ex-US; 'Peace Naresuan-4' deal worth \$130-157 m; modernized before delivery; incl 1 F-16B version; incl 2 more for spares only
	2	S-70A/UH-60L	Helicopter	2001	2	
	(4)	S-70A/UH-60L	Helicopter	(2003)	..	
	8	AIM-120C AMRAAM	BVRAAM	(2001)	(8)	Deal worth \$6.1 m; for F-16 FGA aircraft; stored in USA until 2003; reaction to Myanmarese order for MiG-29 FGA aircraft

Turkey

S: France	30	AS-532UL/AS-332L1	Helicopter	1997	2000-2003	(30)	'Phoenix-2' deal worth \$430 m (offsets 50%); incl 28 assembled in Turkey; incl 18 for SAR and 6 AS-532AL CSAR version
	19	Ocean Master	MP aircraft radar	2002	..	Deal worth \$400 m incl 19 FITS surveillance systems; part of 'Meltem' programme; for 9 CN-235MPA and 10 other MP aircraft	
	19 200	Eryx	Anti-tank missile	1998	1998-2003	(5 012)	Deal worth \$485 m incl 1600 launchers; delivery 1998-2007
Germany	1	Frankenthal Class	MCM ship	1999	2003	1	Deal worth \$625 m incl 5 licensed production; Turkish desig Aydin Class
	1	Kiliç Class	FAC(M)	2000	2003	1	
Israel	54	EL/M-2032	Combat ac radar	1997	2001-2003	(54)	For 54 F-4E FGA aircraft modernized in deal worth \$600-700 m in Israel to F-4E-200 Terminator
	(110)	Harpy	Anti-radar UAV	1999	2000-2003	(88)	Deal probably worth \$76 m; delivery by 2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Italy	(46)	Popeye-1	ASM	(1998)	2002-2003	(46)	For F-4E-2020 FGA aircraft
	4	Bell-412EP/AB-412EP	Helicopter	1999	2002-2003	(4)	Deal worth \$35 m; for SAR; AB-412EP version; for Coast Guard
Netherlands	4	RAT-31S/L	Air surv radar	2002	2002	..	Part of 'NADGE' air-surveillance network; RA-31DL version
	4	LIROD	Fire control radar	2001	2003	1	For 4 Kilitic Class FAC
	4	MW-08	Air surv radar	2001	2003	1	For 4 Kilitic Class FAC
	4	STING	Fire control radar	2001	2003	1	For 4 Kilitic Class FAC
South Korea	(300)	K-9 Thunder 155mm	Self-propelled gun	2001	2003	(8)	Deal worth \$1-1.2 b (incl \$60-70 m for first 8-20); assembled in Turkey; Turkish desig Firtina; delivery 2003-2013
USA	4	Boeing-737 AEW	AEW&C aircraft	2003	2003	..	Deal worth \$1.5 b (offsets worth \$500 m); option on 2 more; delivery 2007-2008
(140)	2	S-70A/UH-60L	Helicopter	2003	2003	..	Deal worth \$27 m; Turkish desig Karaku; delivery 2004
	8	Dragoon	APC	(1998)	2002-2003	(100)	Deal worth \$45 m; for Police; delivery 2002-2004
	8	AN/MPQ-64	Air surv radar	2002	2003	(2)	For 8 modernized I-HAWK SAM systems
	8	I-HAWK	SAM system	2002	2003	(2)	Ex-US; modernized (partly in Norway) to I-HAWK PIP-5 version before delivery; delivery by 2005
	144	AGM-114B Hellfire-2	ASM	2002	2002	..	For Bell-209/AH-1W helicopters
	..	MIM-23B HAWK	SAM	(2002)	2002	..	Ex-US; Turkish desig Gaziantep Class
2	Perry Class	Frigate	2002	2003	1	Deal worth \$625 m incl 1 direct delivered; Turkish desig Aydin Class; delivery 2004-2007	
L: Germany	5	Frankenthal Class	MCM ship	1999	1999	..	Delivery 2005-2007
3	Kilitic Class	FAC(M)	2000	2000	..	Deal worth \$556 m; Turkish desig Gur Class; delivery 2004-2006/2007	
4	Type-209/1400	Submarine	1998	1998	..		

Spain	9	CN-235MP	MP aircraft	1998	2002–2003	(9)	'Meltem' programme worth \$103–120 m; incl 3 MSA version for Coast Guard; Turkish design CN-235D/K
UK	840	Rapier Mk-2	SAM	1999	2002–2003	(125)	Deal worth \$130–150 m; for use with Rapier SAM systems modernized to Rapier B1X (Rapier-2) version; delivery 2002–2010
USA	551	AIFV	IFV	2000	2001–2003	(397)	Deal worth \$338 m; incl APC and mortar carrier versions; delivery 2001–2004
UAE							
S: Bulgaria	(900)	AT-5 Spandrel/9M113	Anti-tank missile	(2002)	2003	(900)	For BTR-3U IFVs
France	7	AS-365F/565SA Panther	ASW helicopter	1995	1999–2003	(7)	Deal worth \$230 m incl AS-15TT missiles; AS-565SB version; for Abu Dhabi
	32	Mirage-2000-5 Mk-2	FGA aircraft	1998	2003	(8)	Deal worth \$3.4 b incl modernization of 30 UAE Mirage-2000 to Mirage-2000-9 version; Mirage-2009 version; delivery 2003–2007
	390	Leclerc	Main battle tank	1993	1994–2003	(390)	Deal worth \$3.4 b incl 146 Leclerc ARVs (offsets 60%); incl 2 Leclerc Driver Training Tank version
	46	Leclerc DNG	ARV	1993	1997–2003	(35)	Deal worth \$3.4 b incl 390 Leclerc tanks (offsets 60%)
	4	Ocean Master	MP aircraft radar	(2001)		..	For 4 CN-295MPA MP aircraft
	(30)	RDY	Aircraft radar	1998		..	RDY-2 version; for modernization of 30 Mirage-2000 FGA aircraft to Mirage-2009 version; delivery 2004–2006
	(1 134)	MICA	BVRAAM	1998	2003	(200)	For Mirage-2000-5 Mk-2 FGA aircraft
	500	R-550 Magic-2	SRAAM	(1998)	2003	(100)	For Mirage 2000-5 Mk-2 FGA aircraft
	4	Baynunah Class	Corvette	2003		..	'Project Baynunah' worth \$500 m (incl \$205 m for French producer); incl 3 assembled in UAE; for Abu Dhabi; option on 2 more; delivery from 2008
Romania	10	SA-330 Puma	Helicopter	2001		..	Deal worth \$125 m incl modernization of 15 UAE SA-330; IAR-330SM version; for Abu Dhabi; delivery 2005–2007
Russia	50	96K9 Pantzyr-S1	AAV(G/M)	2000	2002–2003	(30)	Deal worth \$734 m; delivery probably 2002–2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
Spain	(1 200)	SA-19 Grisoft/9M111	SAM	2000	2002-2003	(800)	For 96K9 Pantzyr-S1 SAM AAV(G/M)s
	4	C-295MPA	ASW/MP aircraft	2001	..	..	'Shaheen-1' programme worth \$114-140 m; for Abu Dhabi
UK	..	Black Shrike	ASM	1998	2003	(10)	For Mirage-2000-5 Mk-2 FGA aircraft; delivery 2003-2004
USA	80	F-16E	FGA aircraft	2000	..	..	Deal worth \$5 b (incl \$400 m for engines); incl 25 F-16F version; delivery 2004-2007
	289	AGM-114K Hellfire	Anti-tank missile	(2002)	..	..	For modernized AH-64A helicopters
	(1 163)	AGM-65D Maverick	ASM	(2003)	..	..	For F-16E FGA aircraft; incl AGM-65G version; contract not yet signed
	159	AGM-88 HARM	Anti-radar missile	2001	..	..	AGM-88C version; for F-16E FGA aircraft
	..	AIM-120B AMRAAM	BVRAAM	(2003)	..	..	For F-16E FGA aircraft; contract not yet signed
	(267)	AIM-9M Sidewinder	SRAAM	2002	..	..	For F-16E FGA aircraft
	52	RGM-84 Harpoon	Anti-ship missile	(2003)	..	..	Deal worth \$40 m; AGM-84 version for F-16E FGA aircraft; deal probably not yet signed
Ukraine	90	BTR-3U Guardian	IFV	2002	2003	(90)	
UK							
S: Canada	5	BD-700 Global Express	Transport aircraft	1999	..	..	Deal worth \$1.3 b (offsets 100%) incl ASTOR radars; for modification to AGS aircraft in USA and UK with ASTOR radars; delivery 2005
	6	Bell-412EP	Helicopter	2002	2002-2003	(6)	Operated by civilian company for the UK pilot training and SAR; UK desig Griffin HT-1 and HAR-3
Germany	4	Ro-Ro 20000-ton Type	Cargo ship	2000	2002-2003	4	Deal worth \$1.8 b incl 2 licensed production and 25 years operation by civilian company for UK armed forces; UK desig Hurst Point Class

Italy	401	MLV	APC	2003	..	..	'Future Command and Liason Vehicle' (FCLV) programme worth \$282 m; option on 400 more; delivery 2006-2009
Netherlands	2	Goalkeeper	CIWS	(1996)	2003	(1)	For 2 Albion Class AALS
Norway	4	FBRV	ARV	(1999)	2002-2003	(4)	Deal worth \$12.4 m; option on 1 more
Sweden	108	BvS-10	APC	2000	2001-2003	(22)	Deal worth \$86-106 m (armoured parts produced in UK); incl 31 CP and 6 ARV version; delivery 2001 and 2003-2005
USA	(8)	ARTHUR	Arty locating radar	2002	2003	(2)	'MAMBA' programme; delivery 2003-2004
	7	King Air B200/C12	Light transport ac	(2002)	2003	2	Leased from and operated by civilian company for training of UK pilots
	8	Cougar	APC	2001	2002-2003	(8)	Deal worth \$3.6 m; UK desig Tempest
	980	AGM-114 Longbow	Anti-tank missile	1995	2000-2003	(980)	Deal worth \$2.8-4 b (offsets 100%) incl 67 AH-64D helicopters; assembled in UK
	(1 600)	AGM-114K Hellfire	Anti-tank missile	(1996)	2000-2003	(1 200)	For AH-64D helicopters; assembled in UK
	..	AIM-120B AMRAAM	BVRAAM	2000	2002-2003	(20)	Deal worth \$285 m
	22	BGM-109 Tomahawk	SLCM	2002	..	..	Deal worth \$30 m; ex-US UGM-109C version modernized to BGM-109 T-LAM Block-IIIC version; delivery 2004
	..	FIM-92A Stinger	Portable SAM	2001	2003	(50)	Part of deal worth \$89 m for 1007 missiles for Greece, Italy and UK; delivery 2003-2004
	(3 871)	Javelin	Anti-tank missile	2003	..	..	'LFATWS' programme worth \$459-490 m; offsets 100%; delivery from 2005
L: Germany	2	Ro-Ro 20000-ton Type	Cargo ship	2000	2002-2003	2	Deal worth \$1.8 b incl 4 delivered direct and 25 years operation by civilian company for UK armed forces; UK desig Hurst Point Class
Netherlands	4	Mod. Rotterdam Class	AALS	2000	..	..	Deal worth \$550 m; UK desig Bay Class; delivery 2004-2005/2006
USA	59	AH-64D Apache	Combat helicopter	1996	2001-2003	(48)	Deal worth \$2.8-4 b (offsets 100%) incl 8 delivered direct and 980 AGM-114 missiles; WAH-64D Apache Mk-1 version; delivery 2001-2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	5	ASTOR	AGS radar	1999	..	..	Deal worth \$1.3 b (offsets 100%) incl 5 BD-700 aircraft; for modification of 5 BD-700 transport aircraft delivered from Canada to AGS aircraft; delivery 2005
USA							
S: Australia	1	Incat Type	Transport ship	2003	2003	1	Lease; for use as MCM support ship; US desig Swift Class
Brazil	14	RF-10/Ximango	Trainer aircraft	2001	2002-2003	(14)	Deal worth \$2.5 m; AMT-2005 Super Ximango version; US desig T-14
Canada	(35)	Bell-206 JetRanger	Light helicopter	1999	2001-2003	(35)	'NTH' programme; for training; Bell-206B-3 or TH-206 version; US desig TH-67A Creech
	(2 131)	Piranha/LAV-25	IFV	2000	2002-2003	(764)	'IAV' programme worth \$4 b; Stryker version; incl APC, mortar carrier and fire support version; assembled in USA
Italy	2	A-109K	Light helicopter	2003	..	..	Lease; for Coast Guard 'Airborne Use of Force' anti-narcotics operations; A-109E Power version; US desig MH-68A Sting Ray
South Africa	4	RG-31 Nyala	APC	2003	2003	4	Deal worth \$87 m; part of Coast Guard 'Deepwater-2000' programme; CN-235M-300M/C-235ER version; option on 6 more; delivery 2006
Spain	2	CN-235MP Persuader	MP aircraft	(2003)	..	..	Delivery 2004
Sweden	2	Giraffe AMB-3D	Air surv radar	2002	..	..	Ex-Swiss; deal worth \$18.5 m; for use as 'enemy' in training; delivery 2003-2007
Switzerland	32	F-5E Tiger-2	FGA aircraft	2003	2003	(6)	Second-hand; 1-year lease; US desig TSV-SCBT or Arrowhead Class
UK	1	Pegasus One Class	Transport ship	2003	2003	1	Second-hand; US desig Roy M. Wheat Class
Ukraine	1	Vaslayayev Class	Cargo ship	1997	2003	1	Second-hand; US desig Roy M. Wheat Class

L: Austria	(50)	Pandur	APC	1999	2000–2003	(50)	Deal worth \$51 m; US desig AGMS (Armored Ground Mobility System)
Israel	(250)	Popeye-1/AGM-142	ASM	1998	2001–2003	(150)	US desig AGM-142 Raptor or Have Nap
Switzerland	(710)	PC-9/T-6A Texan-2	Trainer aircraft	1996	1999–2003	(128)	'JPATS' programme worth \$7 b (incl \$4.7 b for aircraft only); delivery 1999–2017
UK	187	Hawk/T-45A Goshawk	Jet trainer aircraft	1981	1990–2003	(158)	'VTXTS' or 'T-45TS' programme; T-45A and T-45C Goshawk versions; delivery 1990–2005
	(645)	UFH	Towed gun	(2000)	2002	(2)	US desig M-777; delivery 2002–2010
Uganda							
S: Belarus	3	Mi-24V/Mi-35/Hind-E	Combat helicopter	(2002)	2003	3	Ex-Belarusian; deal worth \$10 m; modernized before delivery
United Nations							
S: South Africa	..	RG-32 Scout	APC	2003		..	
Unknown country							
S: Poland	..	Model-56 105mm	Towed gun	(2002)		..	Delivery 2006–2008
	..	Model-56 105mm	Towed gun	(2002)		..	Delivery 2006–2008
	..	Model-56 105mm	Towed gun	(2002)		..	Delivery 2006–2008
Venezuela							
S: Brazil	12	AMX-T	FGA/trainer aircraft	2002		..	AMX-ATA version; incl 4 AMX-E EW version; delivery from 2005
Canada	(3)	Bell-412EP	Helicopter	(2001)	2003	(3)	
France	8	AS-350/550 Fenec	Light helicopter	2003		..	Deal worth \$50 m; AS-550C2 Fenec version
Israel	(176)	Python-4	BVRAAM	2003		..	Deal worth \$7.5 m; for F-16A FGA aircraft
Viet Nam							
S: Poland	2	An-28/M-28B Bryza-IR	MP aircraft	2003		..	Delivery from 2004
Russia	2	Mi-8/Mi-17/Hip-H	Helicopter	2002		..	Mi-17 version; delivery 2004

Recipient/ supplier (S) or licensor (L)	No. ordered	Weapon designation	Weapon description	Year of order/ licence	Year(s) of deliveries	No. delivered/ produced	Comments
	2 (72)	SA-10d/S-300PMU-1 SA-10 Grumble/48N6	SAM system SAM	2003 2003		.. ..	Deal worth \$250-380 m incl missiles; delivery 2005 Deal worth \$250-380 m incl 2 SA-10d/S-300PMU-1 SAM systems; delivery 2005
	(72)	SA-16 Gimlet/Igla-1	Portable SAM	(1996)	2001-2003	(36)	SA-N-10 version for BPS-500 Type (Ho-A Class) FAC; design uncertain
	(32)	SS-N-25/Kh-35 Uran	Anti-ship missile	(1996)	2001-2003	(12)	For BPS-500 Type (Ho-A Class) FAC
	(2)	BPS-500/Type-1241A	FAC(M)	1996	2001	1	Assembled in Viet Nam; Vietnamese design Ho-A Class
Yemen							
S: Russia	(15)	MiG-29S/Fulcrum-C	FGA aircraft	(2001)	2002-2003	(15)	Deal worth \$300-437 m; no. ordered could be up to 24
Zimbabwe							
S: Libya	3	MiG-23MF/Flogger-B	Fighter aircraft	2000	2003	(3)	Ex-Libyan

Acronyms and abbreviations

ac	Aircraft	EU	European Union
AALS	Amphibious assault landing ship	FAC	Fast attack craft
AAV	Anti-aircraft vehicle	FGA	Fighter/ground attack
ABL	Armoured bridge-layer	FMF	Foreign Military Funding (US)
ACV	Air-cushion vessel (hovercraft)	(G)	Gun-armed
AEV	Armoured engineer vehicle	IFV	Infantry fighting vehicle
AEW	Airborne early-warning	incl	Including/include(s)
AEW&C	Airborne early-warning and control	L TTE	Liberation Tigers of Tamil Eelam
AFSV	Armoured fire support vehicle	(M)	Missile-armed
AGS	Airborne ground-surveillance	MCM	Mine countermeasures
ALV	Armoured logistic vehicle	MLU	Mid-life update
AMV	Anti-mine vehicle	MP	Maritime patrol
APC	Armoured personnel carrier	MRL	Multiple rocket launcher
APC/CP	Armoured personnel carrier/ command post	NBC	Nuclear, biological and chemical
arty	Artillery	no.	Number
ARV	Armoured recovery vehicle	OPV	Offshore patrol vessel
AS	Anti-ship	SAM	Surface-to-air missile
ASM	Air-to-surface missile	SAR	Search and rescue
ASW	Anti-submarine warfare	SIGINT	Signals intelligence
BVRAAM	Beyond visual range air-to-air missile	SLCM	Submarine-launched cruise missile
CIWS	Close-in weapon system	SRAAM	Short-range air-to-air missile
CP	Command post	SSM	Surface-to-surface missile
CSAR	Combat SAR	surv	Surveillance
design	Designation	UAE	United Arab Emirates
ELINT	Electronic intelligence	UAV	Unmanned air vehicle (drone)
		VIP	Very important person

Conventions

.. Data not available or not applicable
 () Uncertain data or SIPRI estimate
 m million (10⁶)
 b billion (10⁹)

'Contract not yet signed' is used in the comments field when sources indicate that preliminary agreements have been signed, but when the final contract has not yet been signed.

'Status uncertain' is used in the comments field when sources are contradictory about the (continued) existence of the reported deal.

'Unknown' is used in cases where it has not been possible to identify a supplier or recipient with an acceptable degree of certainty.

'Multiple sellers' is used in cases where the weapon is a co-production of two or more countries and where it has not been possible to identify the final supplier; the co-producing countries are mentioned in the comments field and the final supplier will be known when actual deliveries will take place.

Appendix 12C. Sources and methods for arms transfers data

BJÖRN HAGELIN and SIEMON T. WEZEMAN

The SIPRI Arms Transfers Project reports on international flows of conventional weapons. Since publicly available information is inadequate for the tracking of all weapons and other military equipment, SIPRI covers only what it terms *major conventional weapons*.¹

Data are collected from open sources in the SIPRI arms transfers database and presented in a register that identifies the suppliers, recipients and weapon deliveries, and in tables that provide a measure of the trends in the total flow of major weapons and its geographical pattern. SIPRI has developed a unique trend-indicator value system. The figures produced by the system are not comparable to official economic statistics such as gross domestic product, public expenditure and export/import figures.

The database covers the period from 1950. Data collection and analysis are a continuous process. As new data become available the database is updated for all years included in the database.²

I. Selection criteria and coverage

Selection criteria

SIPRI uses the term ‘transfer’ rather than ‘trade’ since the latter is usually associated with ‘sale’. SIPRI covers not only sales of weapons, including manufacturing licences, but also other forms of weapon supply, including aid and gifts.

The weapons transferred must be destined for the armed forces, paramilitary forces or intelligence agencies of another country. Weapons supplied to or from rebel forces in an armed conflict are included as deliveries to or from the individual rebel forces, identified under separate ‘recipient’ or ‘supplier’ headings. Supplies to or from international organizations are also included and categorized in the same fashion. In cases where deliveries are identified but where it is not possible to identify either the supplier or the recipient with an acceptable degree of certainty, transfers are registered as coming from ‘unknown’ suppliers or going to ‘unknown’ recipients. Suppliers are termed ‘multiple’ only if there is a transfer agreement for weapons that are produced by two or more cooperating countries and if it is not clear which country will make the delivery.

Weapons must be transferred voluntarily by the supplier. This includes weapons delivered illegally—without proper authorization by the government of the supplier or the recipient country—but excludes captured weapons and weapons obtained from

¹ A complete description of the SIPRI Arms Transfers Project methodology, including a list of the sources used, is available on the SIPRI Internet site at URL <<http://www.sipri.se/projects/armstrade/atmethods.html>>.

² Thus data from several SIPRI Yearbooks or other SIPRI publications cannot be combined or compared. Readers who require time-series trend-indicator value data for periods before the years covered in this Yearbook or who require updated registers should contact SIPRI, preferably via the Internet site at URL <<http://projects.sipri.se/armstrade/atrequest.html>>.

defectors. Finally, the weapons must have a military purpose. Systems such as aircraft used mainly for other branches of government but registered with and operated by the armed forces are excluded. Weapons supplied for technical or arms procurement evaluation purposes only are not included.

Major conventional weapons: the coverage

SIPRI covers only what it terms *major conventional weapons*, defined as:

1. *Aircraft*: all fixed-wing aircraft and helicopters, including unmanned reconnaissance/surveillance aircraft, with the exception of micro-light aircraft, powered and unpowered gliders and target drones.

2. *Armoured vehicles*: all vehicles with integral armour protection, including all types of tank, tank destroyer, armoured car, armoured personnel carrier, armoured support vehicle and infantry fighting vehicle.

3. *Artillery*: naval, fixed, self-propelled and towed guns, howitzers, multiple rocket launchers and mortars, with a calibre equal to or above 100 millimetres (mm).

4. *Radar systems*: all land-, aircraft- and ship-based active (radar) and passive (e.g., electro-optical) surveillance systems with a range of at least 25 kilometres (km), with the exception of navigation and weather radars, and all fire-control radars, with the exception of range-only radars. In cases where the system is fitted on a platform (vehicle, aircraft or ship), the register only notes those systems that come from a different supplier than the supplier of the platform.

5. *Missiles*: all powered, guided missiles and torpedoes with conventional warheads. Unguided rockets, guided but unpowered shells and bombs, free-fall aerial munitions, anti-submarine rockets and target drones are excluded.

6. *Ships*: all ships with a standard tonnage of 100 tonnes or more, and all ships armed with artillery of 100-mm calibre or more, torpedoes or guided missiles, with the exception of most survey ships, tugs and some transport ships.

The statistics presented refer to transfers of weapons in these six categories only. Transfers of other military equipment—such as small arms/light weapons, trucks, artillery under 100-mm calibre, ammunition, support equipment and components, as well as services or technology transfers—are not included.

II. The SIPRI trend indicator

The SIPRI system for the valuation of arms transfers is designed as a *trend-measuring device*. It permits the measurement of changes in the total flow of major weapons and its geographical pattern. The trends presented in the tables of SIPRI trend-indicator values are based only on *actual deliveries* during the year/years covered in the relevant tables and figures, not on orders signed in a year.

The trend-indicator value system, in which similar weapons have similar values, reflects both the quantity and the quality of the weapons transferred. The value reflects the transfer of *military resources*.

Arms transfers can be measured with several objectives in mind. The two most common objectives are to gain knowledge about the economic factor and about the military implications of arms transfers. However, different goals require different statistical approaches.

The SIPRI values do not reflect the money value of (or payments for) weapons transferred. This is impossible for three reasons. First, in many cases no reliable data on the value of a transfer are available. Second, even if the value of a transfer is known, it is in almost every case the total value of a deal, which may include not only the weapons entered in the SIPRI database but also other items related to these weapons (e.g., spare parts, armament or ammunition) as well as support systems (e.g., specialized vehicles) and items related to the integration of the weapon in the armed forces (e.g., software changes to existing systems or training). Third, even if the value of a transfer is known, there remains the problem that important details about the financial arrangements of the transfer (e.g., credit/loan conditions and discounts) are usually not known.³

Measuring the military implications of transfers would require a concentration on the value of the weapons as a military resource. Again, this could be done from the actual money values of the weapons transferred, assuming that these values generally reflect the military capability of the weapon. However, the problems enumerated above would still apply (e.g., a very expensive weapon may be transferred as aid at a 'zero' price, and therefore not show up in financial statistics, but still be a significant transfer of military resources). The SIPRI solution is a system in which military resources are measured by including an evaluation of the technical parameters of the weapons. The tasks and performance of the weapons are evaluated and the weapons are assigned a value in an index. These values reflect the military resource value of the weapon in relation to other weapons. This can be done under the condition that a number of benchmarks or reference points are established by assigning some weapons a fixed place in the index. These are the core of the index, and all other weapons are compared to these *core weapons*.

In short, the process of calculating the SIPRI trend-indicator value for individual weapons is as follows.

For a number of weapon types (noted in the register as the 'weapon designation') it is possible to find the actual average unit acquisition price in open sources. It is assumed that such real prices roughly reflect the military resource value of a system. For example, a combat aircraft bought for \$10 million may be assumed to be a resource twice as great as one bought for \$5 million, and a submarine bought for \$100 million may be assumed to be 10 times the resource a \$10 million combat aircraft would represent. Those weapons with a real price are used as the core weapons of the valuation.

Weapons for which a price is not known are compared with core weapons. This comparison is made in the following steps.

1. The description of a weapon is compared with the description of the core weapon. In cases where no core weapon exactly matches the description of the weapon for which a price is to be found, the closest match is sought.

2. Standard characteristics of size and performance (weight, speed, range and payload) are compared with those of a core weapon of a similar description. For example, a 15 000-kg combat aircraft would be compared with a combat aircraft of similar size.

³ It is possible to present a very rough idea of the economic factors from the financial statistics now available from most arms-exporting countries. However, most of these statistics lack sufficient detail.

3. Other characteristics, such as the type of electronics, loading/unloading arrangements, engine, tracks or wheels, armament and materials, are compared.

4. Weapons are compared with a core weapon from the same period.

Production under licence is included in the arms transfer statistics to reflect the average percentage of licensee-imported components embodied in the weapon (in reality this import share may fluctuate, often gradually decreasing over time). Supplies of sub-systems from other sources than the licensor registered in the database are not included (unless these sub-systems are weapons as defined by SIPRI for the database, in which case a separate record is included in the database with details for these systems).

Weapons delivered in 'second-hand' condition are given a standard value of 40 per cent of the value assigned to the new weapon; second-hand weapons that have been significantly refurbished or modified by the supplier before delivery (and have thereby become a greater military resource) are given a value of 66 per cent of the new value. In reality there may be huge differences in the military resource value of a second-hand weapon depending on its condition after use and the modifications during the years of use.

The SIPRI trend indicator does not measure military value or effectiveness. It does not take into account the conditions under which a weapon is operated (e.g., an F-16 combat aircraft operated by well-balanced, well-trained and well-integrated armed forces has a much greater military value than the same aircraft operated by a developing country; the resource is the same but the effect is very different). The trend indicator also accepts the prices of the core weapons as genuine rather than reflecting costs which, even if officially part of the programme, are not exclusively related to the weapon itself—for example, funds that seem to be part of a programme could be related to optional add-ons and armament or to the development of basic technology that will also be included (free of cost) in other programmes but have for the sake of convenience been put under one programme, and hidden government subsidies to keep industry in being by paying more than the weapon is worth.

III. Sources

The sources for the data presented in the arms transfers register are of a wide variety—newspapers; periodicals and journals; books, monographs and annual reference works; and official national and international documents. The common criterion for all these sources is that they are open—published and available to the general public.

Such open information cannot, however, provide a comprehensive picture of world arms transfers. Published reports often provide only partial information, and substantial disagreement between them is common. Order and delivery dates and exact numbers, or even types, of weapons ordered and delivered, or the identity of suppliers or recipients, may not always be clear from the sources. The exercise of judgement and the making of estimates are therefore important elements in compiling the SIPRI arms transfers database. Estimates are kept at conservatively low levels (and may very well be underestimates).

All sources of data as well as calculations of estimates, while not published by SIPRI, are documented in the SIPRI database.