

Annex

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Note: Tables A16–A21 are available on the attached CD-ROM.

Table A1. Regular budget allocation and utilization of resources in 2012 by Programme and Major Programme (in euros)

Programme / Major Programme	Original budget \$/€1 ^a	Adjusted budget \$/€1 ^b	Obligations ^c	Actuals	Expenditure	Unobligated balances
1 Nuclear Power, Fuel Cycle and Nuclear Science						
Overall management, coordination and common activities	1 021 587	964 236	78 288	1 100 488	1 178 776	(214 540)
Nuclear Power	7 577 688	7 148 587	376 397	6 785 211	7 161 608	(13 021)
Nuclear Fuel Cycle and Materials Technologies	3 343 719	3 133 806	196 735	2 609 087	2 805 822	327 984
Capacity Building and Nuclear Knowledge Maintenance for Sustainable Energy Development	10 607 933	10 121 761	1 155 540	8 304 773	9 460 313	661 448
Nuclear Science	9 823 768	9 430 759	786 120	8 670 819	9 456 939	(26 180)
Corporate Shared Services	1 349 852	1 296 289	73 036	1 101 380	1 174 416	121 873
Total Major Programme 1	33 724 547	32 095 438	2 666 116	28 571 758	31 237 874	857 564
2 Nuclear Techniques for Development and Environmental Protection						
Overall management, coordination and common activities	4 628 000	4 458 413	362 479	3 361 624	3 724 103	734 310
Management of the coordinated research activities	705 082	668 926	31 642	590 974	622 616	46 310
Food and Agriculture	11 188 489	10 734 381	1 753 772	9 261 511	11 015 283	(280 902)
Human Health	9 545 210	9 127 542	1 299 933	7 158 899	8 458 832	668 710
Water Resources	3 397 127	3 248 549	639 017	2 804 692	3 443 709	(195 160)
Environment	5 970 964	5 712 050	147 391	4 703 642	4 851 033	861 017
Radioisotope Production and Radiation Technology	2 198 683	2 086 620	239 749	1 766 096	2 005 845	80 775
Corporate Shared Services	1 030 519	987 337	73 486	856 205	929 691	57 646
Total Major Programme 2	38 664 074	37 023 818	4 547 469	30 503 643	35 051 112	1 972 706
3 Nuclear Safety and Security						
Enhancing the global nuclear safety and security framework	757 180	722 482	19 862	767 159	787 021	(64 539)
Enhancing and strengthening capacity building, communications, knowledge networking, education and training	513 381	486 489	1 451	361 891	363 342	123 147
Incident and Emergency Preparedness and Response	3 440 715	3 240 405	281 972	2 574 034	2 856 006	384 399
Safety of Nuclear Installations	10 414 252	9 920 549	151 586	9 440 690	9 592 276	328 273
Radiation and Transport Safety	5 910 303	5 640 273	107 470	5 489 380	5 596 850	43 423
Management of Radioactive Waste	7 018 399	6 648 809	198 754	6 165 606	6 364 360	284 449
Nuclear Security	4 437 402	4 232 450	41 562	4 161 153	4 202 715	29 735
Corporate Shared Services	1 506 904	1 447 385	75 597	1 223 731	1 299 328	148 057
Total Major Programme 3	33 998 536	32 338 842	878 254	30 183 644	31 061 898	1 276 944
4 Nuclear Verification						
Overall management and coordination	2 484 902	2 371 768	30 665	2 882 698	2 913 363	(541 595)
Quality management	1 117 857	1 070 276	1 946	666 232	668 178	402 098
Resources management	1 260 260	1 208 472	8 259	1 062 640	1 070 899	137 573
Safeguards Implementation	110 161 741	105 157 142	9 396 245	93 669 167	103 065 412	2 091 730
Other Verification Activities	587 780	562 618	198	495 445	495 643	66 975
Development	10 410 093	9 927 443	1 082 204	9 182 687	10 264 891	(337 448)
Corporate Shared Services	2 757 916	2 633 746	218 498	2 455 425	2 673 923	(40 177)
Total Major Programme 4	128 780 549	122 931 465	10 738 015	110 414 294	121 152 309	1 779 156
5 Policy, Management and Administration Services						
Policy, Management and Administration Services	72 544 333	70 146 559	4 773 853	62 609 067	67 382 920	2 763 639
Corporate Shared Services	2 810 616	2 693 680	153 292	2 401 263	2 554 555	139 125
Total Major Programme 5	75 354 949	72 840 239	4 927 145	65 010 330	69 937 475	2 902 764
6 Management of Technical Cooperation for Development						
Management of Technical Cooperation for Development	19 603 401	18 814 345	211 184	17 707 915	17 919 099	895 246
Corporate Shared Services	786 504	751 592	55 327	691 418	746 745	4 847
Total Major Programme 6	20 389 905	19 565 937	266 511	18 399 333	18 665 844	900 093
Total Operational Regular Budget	330 912 560	316 795 739	24 023 510	283 083 002	307 106 512	9 689 227
Major Capital Investment Funding Requirements						
1. Nuclear Power, Fuel Cycle and Nuclear Science	–	–	–	–	–	–
2. Nuclear Techniques for Development and Environmental Protection	–	–	–	–	–	–
3. Nuclear Safety and Security	–	–	–	–	–	–
4. Nuclear Verification	7 137 905	7 137 905	5 575 350	–	5 575 350	1 562 555
5. Policy, Management and Administration Services	1 015 550	1 015 550	238 166	759 126	997 292	18 258
6. Management of Technical Cooperation for Development	–	–	–	–	–	–
Capital Regular Budget	8 153 455	8 153 455	5 813 516	759 126	6 572 642	1 580 813
Total Agency Programmes	339 066 015	324 949 194	29 837 026	283 842 128	313 679 154	11 270 040
Reimbursable work for others	2 385 239	2 246 691	–	2 966 349	2 966 349	(719 658)
Total Regular Budget	341 451 254	327 195 885	29 837 026	286 808 477	316 645 503	10 550 382

^a General Conference resolution GC(55)/RES/5 of September 2011 — adjusted to reflect the share of the Corporate Shared Services under each of the operational Major Programmes.

^b Original budget revalued at the United Nations average rate of exchange of \$1.2858 to €1 or €0.7777 to \$1.

^c Amounts related to purchase orders involving claims against resources for which expenditure authority has been given but not yet invoiced (paid).

Table A2. *Extrabudgetary regular programme fund resource utilization in 2012 by Programme and Major Programme, and Fund (in euros)*

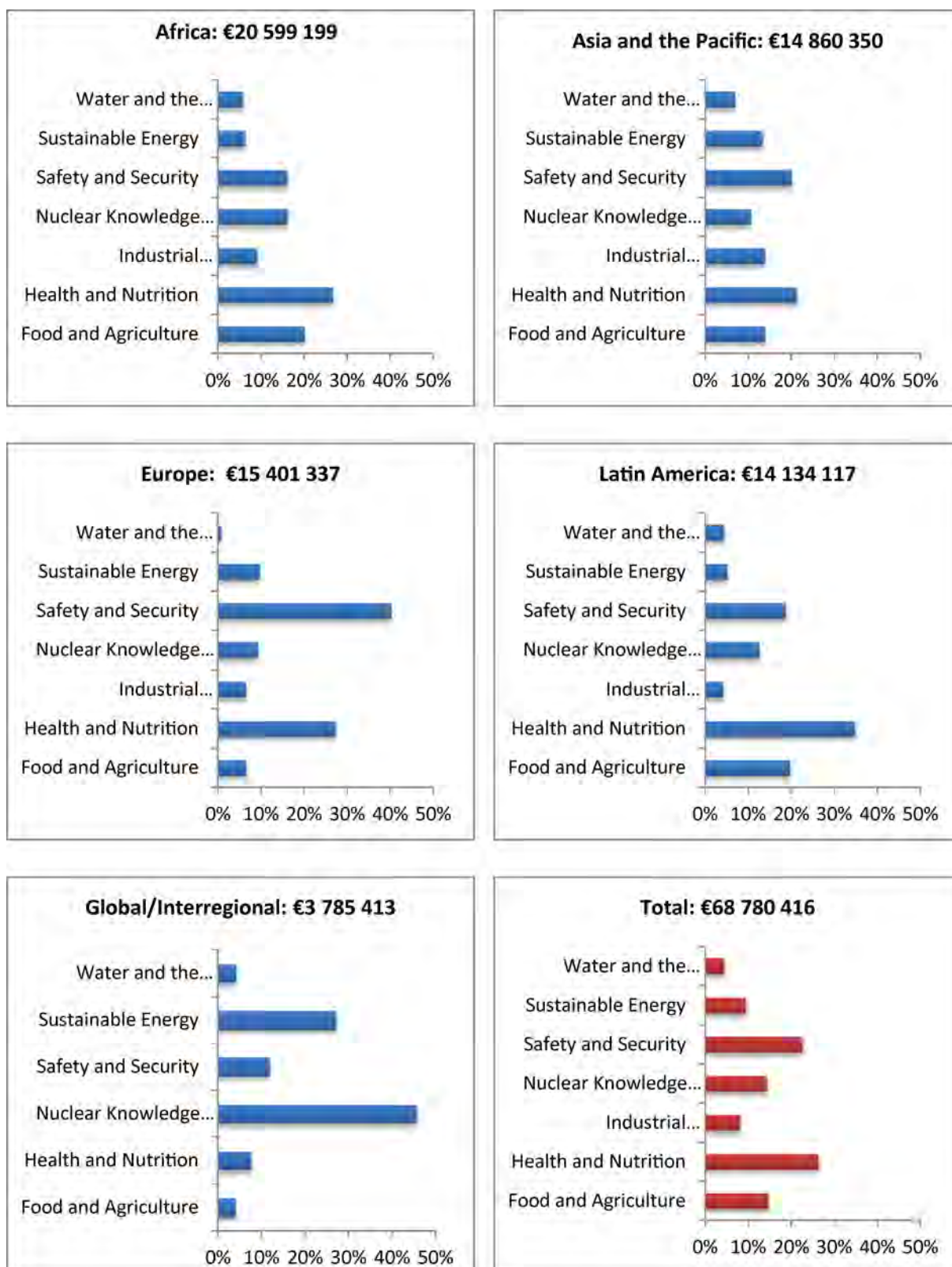
Extrabudgetary regular programme funds	Obligations ^a	Actuals	Expenditure
Extrabudgetary fund	7 967 109	52 049 428	60 016 537
International Nuclear Fuel Bank (NFB)	11 790	1 445 841	1 457 631
Peaceful Uses Initiative (PUI)	657 224	2 611 820	3 269 044
Nuclear Security Fund (NSF)	2 991 250	15 063 667	18 054 917
Total extrabudgetary regular programme funds	11 627 373	71 170 756	82 798 129
Programme / Major Programme			
1 Nuclear Power, Fuel Cycle and Nuclear Science			
Overall management, coordination and common activities	1 664	148 725	150 389
Nuclear Power	370 669	3 434 177	3 804 846
Nuclear Fuel Cycle and Materials Technologies	17 754	1 684 314	1 702 068
Capacity Building and Nuclear Knowledge Maintenance for Sustainable Energy Development	10 750	251 116	261 866
Nuclear Science	106 235	802 452	908 687
Total Major Programme 1	507 072	6 320 784	6 827 856
2 Nuclear Techniques for Development and Environmental Protection			
Overall management, coordination and common activities	8 426	211 278	219 704
Food and Agriculture	512 365	2 539 549	3 051 914
Human Health	113 650	1 599 975	1 713 625
Water Resources	145 544	513 351	658 895
Environment	29 476	745 813	775 289
Radioisotope Production and Radiation Technology	–	–	–
Total Major Programme 2	809 461	5 609 966	6 419 427
3 Nuclear Safety and Security			
Enhancing the global nuclear safety and security framework	456	224 388	224 844
Enhancing and strengthening capacity building, communications, knowledge networking, education and training	209 339	2 297 115	2 506 454
Incident and Emergency Preparedness and Response	160 827	815 072	975 899
Safety of Nuclear Installations	691 507	6 932 234	7 623 741
Radiation and Transport Safety	123 015	1 269 532	1 392 547
Management of Radioactive Waste	67 519	1 487 834	1 555 353
Nuclear Security	2 980 313	14 753 438	17 733 751
Total Major Programme 3	4 232 976	27 779 613	32 012 589
4 Nuclear Verification			
Overall management and coordination	218	74 032	74 250
Resources management	–	26 927	26 927
Safeguards Implementation	1 308 965	7 804 799	9 113 764
Other Verification Activities	–	9 918	9 918
Development	4 738 050	22 475 324	27 213 374
Total Major Programme 4	6 047 233	30 391 000	36 438 233
5 Policy, Management and Administration Services			
Policy, Management and Administration Services	30 631	1 011 913	1 042 544
Total Major Programme 5	30 631	1 011 913	1 042 544
6 Management of Technical Cooperation for Development			
Management of Technical Cooperation for Development	–	57 480	57 480
Total Major Programme 6	–	57 480	57 480
Total extrabudgetary programme funds	11 627 373	71 170 756	82 798 129

^a Represents the amounts related to purchase orders involving claims against resources for which expenditure authority has been given but not yet invoiced (paid).

Table A3(a). Disbursements (actuals) by technical field and region in 2012

Summary of all regions (in euros)						
Technical field	Africa	Asia and the Pacific	Europe	Latin America	Global/inter-regional	Total
1 Food and Agriculture	4 143 973	2 058 888	998 467	2 802 309	149 330	10 152 967
2 Health and Nutrition	5 481 034	3 148 294	4 192 762	4 937 687	286 040	18 045 817
3 Industrial Applications/ Radiation Technology	1 859 250	2 063 363	999 175	606 779	0	5 528 566
4 Nuclear Knowledge Development and Management	3 350 798	1 578 819	1 420 622	1 768 977	1 724 777	9 843 994
5 Safety and Security	3 282 766	2 991 223	6 202 426	2 651 775	444 773	15 572 963
6 Sustainable Energy	1 315 785	1 992 657	1 475 671	739 066	1 025 541	6 548 719
7 Water and the Environment	1 165 593	1 027 106	112 215	627 523	154 952	3 087 390
Total	20 599 199	14 860 350	15 401 337	14 134 117	3 785 413	68 780 416

Table A3(b). Graphical representation of the information in Table A3(a)



Note: See Table A3(a) for the full titles of the technical fields.

Table A4. Amount of nuclear material at the end of 2012 by type of agreement

Nuclear material	Comprehensive safeguards agreement ¹	INFCIRC/66 ² type agreement	Voluntary offer agreement	Quantity in SQs
Plutonium ³ contained in irradiated fuel and in fuel elements in reactor cores	122 141	1 797	17 891	141 829
Separated plutonium outside reactor cores	1 466	10	10 604	12 080
HEU (equal to or greater than 20% U-235)	211	1	0.2	212
LEU (less than 20% U-235)	16 445	211	927	17 583
Source material ⁴ (natural and depleted uranium and thorium)	9 477	342	2 226	12 045
U-233	18	0.001	0	18
Total significant quantities (SQs)	149 758	2 362	31 648	183 767

Amount of heavy water at the end of 2012 by type of agreement

Non-nuclear material ⁵	Comprehensive safeguards agreement ⁶	INFCIRC/66 ⁷ type agreement	Voluntary offer agreement	Quantity in tonnes
Heavy water (tonnes)	0.7⁸	436	0	437

¹ Covering safeguards agreements pursuant to NPT and/or Treaty of Tlatelolco and other CSAs; including facilities in Taiwan, China.

² Covering facilities in India, Israel and Pakistan.

³ The quantity includes an estimated amount (11 220 SQs) of plutonium (Pu) in irradiated fuel, which has not yet been reported to the Agency under the reporting procedures agreed to (the non-reported Pu is contained in irradiated fuel assemblies to which item accountancy and containment/surveillance measures are applied) and Pu in fuel elements loaded into the core.

⁴ This table does not include material within the terms of subparagraphs 34(a) and 34(b) of INFCIRC/153 (Corrected).

⁵ Non-nuclear material subject to Agency safeguards under INFCIRC/66/Rev.2-type agreements.

⁶ Covering safeguards agreements pursuant to NPT and/or the Treaty of Tlatelolco and other CSAs; including facilities in Taiwan, China.

⁷ Covering facilities in India, Israel and Pakistan.

⁸ In Taiwan, China.

Table A5. Number of facilities under safeguards during 2012

Facility type	Number of facilities			Totals
	Comprehensive safeguards agreements (CSAs) ^a	INFCIRC/66 ^b type agreements	Voluntary offer agreements	
Power reactors	234	9	1	244
Research reactors	148	3	1	152
Conversion plants	17	0	0	17
Fuel fabrication plants	43	2	1	46
Reprocessing plants	11	1	1	13
Enrichment plants	16	0	3	19
Separate storage facilities	121	1	5	127
Other facilities	74	0	0	74
Subtotals	664	16	12	692
Material balance areas containing LOFs ^c	621	1	0	622
Totals	1285	17	12	1314

^a Covering safeguards agreements pursuant to the NPT and/or the Treaty of Tlatelolco and other CSAs; includes facilities in Taiwan, China.

^b Covering facilities in India, Israel and Pakistan.

^c Excludes material balance areas containing locations outside facilities (LOFs) of the Agency (2) and the European Commission in Luxembourg (1).

Table A6. Conclusion of safeguards agreements, additional protocols (APs) and small quantities protocols (SQPs) (as of 31 December 2012)

State	SQP ^a	Safeguards agreements ^b	INFCIRC	Additional protocols
Afghanistan	X	In force: 20 Feb. 1978	257	In force: 19 July 2005
Albania ¹		In force: 25 March 1988	359	In force: 3 Nov. 2010
Algeria		In force: 7 Jan. 1997	531	Approved: 14 Sept. 2004
Andorra	X	In force: 18 Oct. 2010	808	In force: 19 Dec. 2011
Angola	In force: 28 April 2010	In force: 28 April 2010	800	In force: 28 April 2010
Antigua and Barbuda ²	Amended: 5 March 2012	In force: 9 Sept. 1996	528	
Argentina ³		In force: 4 March 1994	435	
Armenia		In force: 5 May 1994	455	In force: 28 June 2004
Australia		In force: 10 July 1974	217	In force: 12 Dec. 1997
Austria ⁴		Accession: 31 July 1996	193	In force: 30 April 2004
Azerbaijan	Amended: 20 Nov. 2006	In force: 29 April 1999	580	In force: 29 Nov. 2000
The Bahamas ²	Amended: 25 July 2007	In force: 12 Sept. 1997	544	
Bahrain	In force: 10 May 2009	In force: 10 May 2009	767	In force: 20 July 2011
Bangladesh		In force: 11 June 1982	301	In force: 30 March 2001
Barbados ²	X	In force: 14 Aug. 1996	527	
Belarus		In force: 2 Aug. 1995	495	Signed: 15 Nov. 2005
Belgium		In force: 21 Feb. 1977	193	In force: 30 April 2004
Belize ⁵	X	In force: 21 Jan. 1997	532	
Benin	Amended: 15 April 2008	Signed: 7 June 2005		Signed: 7 June 2005
Bhutan	X	In force: 24 Oct. 1989	371	
Bolivia ²	X	In force: 6 Feb. 1995	465	
Bosnia and Herzegovina ⁶		In force: 28 Dec. 1973 Signed: 6 June 2012	204	Signed: 6 June 2012
Botswana		In force: 24 Aug. 2006	694	In force: 24 Aug. 2006
Brazil ⁷		In force: 4 March 1994	435	
Brunei Darussalam	X	In force: 4 Nov. 1987	365	
Bulgaria ⁸		Accession: 1 May 2009	193	Accession: 1 May 2009
Burkina Faso	Amended: 18 Feb. 2008	In force: 17 April 2003	618	In force: 17 April 2003
Burundi	In force: 27 Sept. 2007	In force: 27 Sept. 2007	719	In force: 27 Sept. 2007
Cambodia	X	In force: 17 Dec. 1999	586	
Cameroon	X	In force: 17 Dec. 2004	641	Signed: 16 Dec. 2004

Table A6. Conclusion of safeguards agreements, additional protocols (APs) and small quantities protocols (SQPs) (as of 31 December 2012) (cont.)

State	SQP ^a	Safeguards agreements ^b	INFCIRC	Additional protocols
Canada		In force: 21 Feb. 1972	164	In force: 8 Sept. 2000
Cape Verde	Amended: 27 March 2006	Signed: 28 June 2005		Signed: 28 June 2005
Central African Republic	In force: 7 Sept. 2009	In force: 7 Sept. 2009	777	In force: 7 Sept. 2009
Chad	In force: 13 May 2010	In force: 13 May 2010	802	In force: 13 May 2010
Chile ⁹		In force: 5 April 1995	476	In force: 3 Nov. 2003
China		In force: 18 Sept. 1989	369*	In force: 28 March 2002
Colombia ⁹		In force: 22 Dec. 1982	306	In force: 5 March 2009
Comoros	In force: 20 Jan. 2009	In force: 20 Jan. 2009	752	In force: 20 Jan. 2009
Congo, Republic of the	In force: 28 Oct. 2011	In force: 28 Oct. 2011	831	In force: 28 Oct. 2011
Costa Rica ²	Amended: 12 Jan. 2007	In force: 22 Nov. 1979	278	In force: 17 June 2011
Côte d'Ivoire		In force: 8 Sept. 1983	309	Signed: 22 Oct. 2008
Croatia	Amended: 26 May 2008	In force: 19 Jan. 1995	463	In force: 6 July 2000
Cuba ²		In force: 3 June 2004	633	In force: 3 June 2004
Cyprus ¹⁰		Accession: 1 May 2008	193	Accession: 1 May 2008
Czech Republic ¹¹		Accession: 1 Oct. 2009	193	Accession: 1 Oct. 2009
Dem. Rep. of the Congo		In force: 9 Nov. 1972	183	In force: 9 April 2003
Denmark ¹²		In force: 21 Feb. 1977	193	In force 30 April 2004
Djibouti	Signed: 27 May 2010	Signed: 27 May 2010		Signed: 27 May 2010
Dominica ⁵	X	In force: 3 May 1996	513	
Dominican Republic ²	Amended: 11 Oct. 2006	In force: 11 Oct. 1973	201	In force: 5 May 2010
D.P.R.K.		In force: 10 April 1992	403	
Ecuador ²	Amended: 7 April 2006	In force: 10 March 1975	231	In force: 24 Oct. 2001
Egypt		In force: 30 June 1982	302	
El Salvador ²	Amended: 10 June 2011	In force: 22 April 1975	232	In force: 24 May 2004
Equatorial Guinea	Approved: 13 June 1986	Approved: 13 June 1986		
Eritrea				
Estonia ¹³		Accession: 1 Dec. 2005	193	Accession: 1 Dec. 2005
Ethiopia	X	In force: 2 Dec. 1977	261	
Fiji	X	In force: 22 March 1973	192	In force: 14 July 2006
Finland ¹⁴		Accession: 1 Oct. 1995	193	In force: 30 April 2004

Table A6. Conclusion of safeguards agreements, additional protocols (APs) and small quantities protocols (SQPs) (as of 31 December 2012) (cont.)

State	SQP ^a	Safeguards agreements ^b	INFCIRC	Additional protocols
France		In force: 12 Sept. 1981	290*	In force: 30 April 2004
	X	In force: 26 Oct. 2007 ¹⁵	718	
Gabon	X	In force: 25 March 2010	792	In force: 25 March 2010
Gambia	Amended: 17 Oct. 2011	In force: 8 Aug. 1978	277	In force: 18 Oct. 2011
Georgia		In force: 3 June 2003	617	In force: 3 June 2003
Germany ¹⁶		In force: 21 Feb. 1977	193	In force: 30 April 2004
Ghana	Rescinded: 24 Feb. 2012	In force: 17 Feb. 1975	226	In force: 11 June 2004
Greece ¹⁷		Accession: 17 Dec. 1981	193	In force: 30 April 2004
Grenada ²	X	In force: 23 July 1996	525	
Guatemala ²	Amended: 26 April 2011	In force: 1 Feb. 1982	299	In force: 28 May 2008
Guinea	Signed: 13 Dec. 2011	Signed: 13 Dec. 2011		Signed: 13 Dec. 2011
Guinea-Bissau	Approved: 6 March 2012	Approved: 6 March 2012		Approved: 6 March 2012
Guyana ²	X	In force: 23 May 1997	543	
Haiti ²	X	In force: 9 March 2006	681	In force: 9 March 2006
Holy See	Amended: 11 Sept. 2006	In force: 1 Aug. 1972	187	In force: 24 Sept. 1998
Honduras ²	Amended: 20 Sept. 2007	In force: 18 April 1975	235	Signed: 7 July 2005
Hungary ¹⁸		Accession: 1 July 2007	193	Accession: 1 July 2007
Iceland	Amended: 15 March 2010	In force: 16 Oct. 1974	215	In force: 12 Sept. 2003
		In force: 30 Sept. 1971	211	
		In force: 17 Nov. 1977	260	
		In force: 27 Sept. 1988	360	
		In force: 11 Oct. 1989	374	
India		In force: 1 March 1994	433	
		In force: 11 May 2009	754	Signed: 15 May 2009
Indonesia		In force: 14 July 1980	283	In force: 29 Sept. 1999
Iran, Islamic Republic of		In force: 15 May 1974	214	Signed: 18 Dec. 2003
Iraq		In force: 29 Feb. 1972	172	In force: 10 Oct. 2012
Ireland		In force: 21 Feb. 1977	193	In force: 30 April 2004
Israel		In force: 4 April 1975	249/ Add.1	
Italy		In force: 21 Feb. 1977	193	In force: 30 April 2004

Table A6. Conclusion of safeguards agreements, additional protocols (APs) and small quantities protocols (SQPs) (as of 31 December 2012) (cont.)

State	SQP ^a	Safeguards agreements ^b	INFCIRC	Additional protocols
Jamaica ²	Rescinded: 15 Dec. 2006	In force: 6 Nov. 1978	265	In force: 19 March 2003
Japan		In force: 2 Dec. 1977	255	In force: 16 Dec. 1999
Jordan	X	In force: 21 Feb. 1978	258	In force: 28 July 1998
Kazakhstan		In force: 11 Aug. 1995	504	In force: 9 May 2007
Kenya	In force: 18 Sept. 2009	In force: 18 Sept. 2009	778	In force: 18 Sept. 2009
Kiribati	X	In force: 19 Dec. 1990	390	Signed: 09 Nov. 2004
Korea, Republic of		In force: 14 Nov. 1975	236	In force: 19 Feb. 2004
Kuwait	X	In force: 7 March 2002	607	In force: 2 June 2003
Kyrgyzstan	X	In force: 3 Feb. 2004	629	In force: 10 Nov. 2011
Lao P.D.R.	X	In force: 5 April 2001	599	
Latvia ¹⁹		Accession: 1 Oct. 2008	193	Accession: 1 Oct. 2008
Lebanon	Amended: 5 Sept. 2007	In force: 5 March 1973	191	
Lesotho	Amended: 8 Sept. 2009	In force: 12 June 1973	199	In force: 26 April 2010
<i>Liberia</i>				
Libya		In force: 8 July 1980	282	In force: 11 Aug. 2006
Liechtenstein		In force: 4 Oct. 1979	275	Signed: 14 July 2006
Lithuania ²⁰		Accession: 1 Jan. 2008	193	Accession: 1 Jan. 2008
Luxembourg		In force: 21 Feb. 1977	193	In force: 30 April 2004
Madagascar	Amended: 29 May 2008	In force: 14 June 1973	200	In force: 18 Sept. 2003
Malawi	Amended: 29 Feb. 2008	In force: 3 Aug. 1992	409	In force: 26 July 2007
Malaysia		In force: 29 Feb. 1972	182	Signed: 22 Nov. 2005
Maldives	X	In force: 2 Oct. 1977	253	
Mali	Amended: 18 April 2006	In force: 12 Sept. 2002	615	In force: 12 Sept. 2002
Malta ²¹		Accession: 1 July 2007	193	Accession: 1 July 2007
Marshall Islands		In force: 3 May 2005	653	In force: 3 May 2005
Mauritania	X	In force: 10 Dec. 2009	788	In force: 10 Dec. 2009
Mauritius	Amended: 26 Sept. 2008	In force: 31 Jan. 1973	190	In force: 17 Dec. 2007
Mexico ²²		In force: 14 Sept. 1973	197	In force: 4 March 2011
<i>Micronesia, Fed. States</i>				
Monaco	Amended: 27 Nov. 2008	In force: 13 June 1996	524	In force: 30 Sept. 1999
Mongolia	X	In force: 5 Sept. 1972	188	In force: 12 May 2003

Table A6. Conclusion of safeguards agreements, additional protocols (APs) and small quantities protocols (SQPs) (as of 31 December 2012) (cont.)

State	SQP ^a	Safeguards agreements ^b	INFCIRC	Additional protocols
Montenegro	In force: 4 March 2011	In force: 4 March 2011	814	In force: 4 March 2011
Morocco	Rescinded: 15 Nov. 2007	In force: 18 Feb. 1975	228	In force: 21 April 2011
Mozambique	In force: 1 March 2011	In force: 1 March 2011	813	In force: 1 March 2011
Myanmar	X	In force: 20 April 1995	477	
Namibia	X	In force: 15 April 1998	551	In force: 20 Feb. 2012
Nauru	X	In force: 13 April 1984	317	
Nepal	X	In force: 22 June 1972	186	
Netherlands	X	In force: 5 June 1975 ¹⁵	229	
		In force: 21 Feb. 1977	193	In force: 30 April 2004
New Zealand ²³	X	In force: 29 Feb. 1972	185	In force: 24 Sept. 1998
Nicaragua ²	Amended: 12 June 2009	In force: 29 Dec. 1976	246	In force: 18 Feb. 2005
Niger		In force: 16 Feb. 2005	664	In force: 2 May 2007
Nigeria	Rescinded: 14 Aug. 2012	In force: 29 Feb. 1988	358	In force: 4 April 2007
Norway		In force: 1 March 1972	177	In force: 16 May 2000
Oman	X	In force: 5 Sept. 2006	691	
Pakistan		In force: 5 March 1962	34	
		In force: 17 June 1968	116	
		In force: 17 Oct. 1969	135	
		In force: 18 March 1976	239	
		In force: 2 March 1977	248	
		In force: 10 Sept. 1991	393	
		In force: 24 Feb. 1993	418	
		In force: 22 Feb. 2007	705	
		In force: 15 April 2011	816	
Palau	Amended: 15 March 2006	In force: 13 May 2005	650	In force: 13 May 2005
Panama ⁹	Amended: 4 March 2011	In force: 23 March 1984	316	In force: 11 Dec. 2001
Papua New Guinea	X	In force: 13 Oct. 1983	312	
Paraguay ²	X	In force: 20 March 1979	279	In force: 15 Sept. 2004
Peru ²		In force: 1 Aug. 1979	273	In force: 23 July 2001
Philippines		In force: 16 Oct. 1974	216	In force: 26 Feb. 2010
Poland ²⁴		Accession: 1 March 2007	193	Accession: 1 March 2007

Table A6. Conclusion of safeguards agreements, additional protocols (APs) and small quantities protocols (SQPs) (as of 31 December 2012) (cont.)

State	SQP ^a	Safeguards agreements ^b	INFCIRC	Additional protocols
Portugal ²⁵		Accession: 1 July 1986	193	In force: 30 April 2004
Qatar	In force: 21 Jan. 2009	In force: 21 Jan. 2009	747	
Republic of Moldova	Amended: 1 Sept. 2011	In force: 17 May 2006	690	In force: 1 June 2012
Romania ²⁶		Accession: 1 May 2010	193	Accession: 1 May 2010
Russian Federation		In force: 10 June 1985	327*	In force: 16 Oct. 2007
Rwanda	In force: 17 May 2010	In force: 17 May 2010	801	In force: 17 May 2010
St Kitts & Nevis ⁵	X	In force: 7 May 1996	514	
Saint Lucia ⁵	X	In force: 2 Feb. 1990	379	
St V. & the Grenadines ⁵	X	In force: 8 Jan. 1992	400	
Samoa	X	In force: 22 Jan. 1979	268	
San Marino	Amended: 13 May 2011	In force: 21 Sept. 1998	575	
<i>São Tomé and Príncipe</i>				
Saudi Arabia	X	In force: 13 Jan. 2009	746	
Senegal	Amended: 6 Jan. 2010	In force: 14 Jan. 1980	276	Signed: 15 Dec. 2006
Serbia ²⁷		In force: 28 Dec. 1973	204	Signed: 3 July 2009
Seychelles	Amended: 31 Oct. 2006	In force: 19 July 2004	635	In force: 13 Oct. 2004
Sierra Leone	X	In force: 4 Dec. 2009	787	
Singapore	Amended: 31 March 2008	In force: 18 Oct. 1977	259	In force: 31 March 2008
Slovakia ²⁸		Accession: 1 Dec. 2005	193	Accession: 1 Dec. 2005
Slovenia ²⁹		Accession: 1 Sept. 2006	193	Accession: 1 Sept. 2006
Solomon Islands	X	In force: 17 June 1993	420	
<i>Somalia</i>				
South Africa		In force: 16 Sept. 1991	394	In force: 13 Sept. 2002
Spain		Accession: 5 April 1989	193	In force: 30 April 2004
Sri Lanka		In force: 6 Aug. 1984	320	
Sudan	X	In force: 7 Jan. 1977	245	
Suriname ²	X	In force: 2 Feb. 1979	269	
Swaziland	Amended: 23 July 2010	In force: 28 July 1975	227	In force: 8 Sept. 2010
Sweden ³⁰		Accession: 1 June 1995	193	In force: 30 April 2004
Switzerland		In force: 6 Sept. 1978	264	In force: 1 Feb. 2005
Syrian Arab Republic		In force: 18 May 1992	407	

Table A6. Conclusion of safeguards agreements, additional protocols (APs) and small quantities protocols (SQPs) (as of 31 December 2012) (cont.)

State	SQP ^a	Safeguards agreements ^b	INFCIRC	Additional protocols
Tajikistan ³¹	Amended: 6 March 2006	In force: 14 Dec. 2004	639	In force: 14 Dec. 2004
Thailand		In force: 16 May 1974	241	Signed: 22 Sept. 2005
The F.Y.R. of Macedonia	Amended: 9 July 2009	In force: 16 April 2002	610	In force: 11 May 2007
<i>Timor-Leste</i>	<i>Signed: 6 Oct. 2009</i>	<i>Signed: 6 Oct. 2009</i>		<i>Signed: 6 Oct. 2009</i>
Togo	X	In force: 18 July 2012		In force: 18 July 2012
Tonga	X	In force: 18 Nov. 1993	426	
Trinidad and Tobago ²	X	In force: 4 Nov. 1992	414	
Tunisia		In force: 13 March 1990	381	Signed: 24 May 2005
Turkey		In force: 1 Sept. 1981	295	In force: 17 July 2001
Turkmenistan		In force: 3 Jan. 2006	673	In force: 3 Jan. 2006
Tuvalu	X	In force: 15 March 1991	391	
Uganda	Amended: 24 June 2009	In force: 14 Feb. 2006	674	In force: 14 Feb. 2006
Ukraine		In force: 22 Jan. 1998	550	In force: 24 Jan. 2006
United Arab Emirates	X	In force: 9 Oct. 2003	622	In force: 20 Dec. 2010
United Kingdom		In force: 14 Dec. 1972 ³²	175	In force: 30 April 2004
		In force: 14 Aug. 1978	263*	
	X	Signed: 6 Jan. 1993 ¹⁵		
United Rep. of Tanzania	Amended: 10 June 2009	In force: 7 Feb. 2005	643	In force: 7 Feb. 2005
United States of America		In force: 9 Dec. 1980	288*	In force: 6 Jan. 2009
	X	In force: 6 April 1989	366 ¹⁵	
Uruguay ²		In force: 17 Sept. 1976	157	In force: 30 April 2004
Uzbekistan		In force: 8 Oct. 1994	508	In force: 21 Dec. 1998
<i>Vanuatu</i>	<i>Approved: 8 Sept. 2009</i>	<i>Approved: 8 Sept. 2009</i>		<i>Approved: 8 Sept. 2009</i>
Venezuela ²		In force: 11 March 1982	300	
Vietnam		In force: 23 Feb. 1990	376	In force: 17 Sept. 2012
Yemen, Republic of	X	In force: 14 Aug. 2002	614	
Zambia	X	In force: 22 Sept. 1994	456	Signed: 13 May 2009
Zimbabwe	Amended: 31 Aug. 2011	In force: 26 June 1995	483	

Key

States: States not party to the NPT whose safeguards agreements are of INFCIRC/66-type.

States: Non-nuclear-weapon States that are party to the NPT but have not yet brought into force comprehensive safeguards agreements (CSAs) pursuant to Article III of that Treaty.

*: Voluntary offer safeguards agreement for NPT nuclear-weapon States.

Note: This table does not aim at listing all safeguards agreements that the Agency has concluded. Not included are agreements whose application has been suspended in light of the application of safeguards pursuant to a CSA. Unless otherwise indicated, the safeguards agreements referred to are CSAs concluded pursuant to the NPT.

^a Provided that they fulfil certain conditions (including that the quantities of nuclear material do not exceed the limits set out in paragraph 37 of INFCIRC/153), States with CSAs have the option to conclude a 'small quantities protocol' (SQP) that holds in abeyance the implementation of most of the detailed provisions set out in Part II of the CSA as long as these conditions continue to apply. This column contains countries whose SQP has been approved by the Board and for which, as far as the Secretariat is aware, these conditions continue to apply. For those States that have accepted the revised standard SQP text (approved by the Board of Governors on 20 September 2005), the current status is reflected.

^b The Agency also applies safeguards in Taiwan, China, under two agreements, INFCIRC/133 and INFCIRC/158, which entered into force on 13 October 1969 and 6 December 1971, respectively.

¹ Sui generis CSA. On 28 November 2002, upon approval by the Board of Governors, an exchange of letters entered into force confirming that the safeguards agreement satisfies the requirement of Article III of the NPT.

² Safeguards agreement refers to both the Treaty of Tlatelolco and the NPT.

³ Date refers to the safeguards agreement concluded between Argentina, Brazil, ABACC and the Agency. On 18 March 1997, upon approval by the Board of Governors, an exchange of letters entered into force between Argentina and the Agency confirming that the safeguards agreement satisfies the requirements of Article 13 of the Treaty of Tlatelolco and Article III of the NPT to conclude a safeguards agreement with the Agency.

⁴ The application of safeguards in Austria under the NPT bilateral safeguards agreement INFCIRC/156, in force since 23 July 1972, was suspended on 31 July 1996, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Austria had acceded, entered into force for Austria.

⁵ Date refers to a safeguards agreement pursuant to Article III of the NPT. Upon approval by the Board of Governors, an exchange of letters entered into force (for Saint Lucia on 12 June 1996 and for Belize, Dominica, Saint Kitts and Nevis and Saint Vincent and Grenadines on 18 March 1997) confirming that the safeguards agreement satisfies the requirement of Article 13 of the Treaty of Tlatelolco.

⁶ The NPT safeguards agreement concluded with the Socialist Federal Republic of Yugoslavia (INFCIRC/204), which entered into force on 28 December 1973, continues to be applied in Bosnia and Herzegovina to the extent relevant to the territory of Bosnia and Herzegovina.

⁷ Date refers to the safeguards agreement concluded between Argentina, Brazil, ABACC and the Agency. On 10 June 1997, upon approval by the Board of Governors, an exchange of letters entered into force between Brazil and the Agency confirming that the safeguards agreement satisfies the requirements of Article 13 of the Treaty of Tlatelolco. On 20 September 1999, upon approval by the Board of Governors, an exchange of letters entered into force confirming that the safeguards agreement also satisfies the requirements of Article III of the NPT.

⁸ The application of safeguards in Bulgaria under the NPT safeguards agreement INFCIRC/178, in force since 29 February 1972, was suspended on 1 May 2009, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Bulgaria had acceded, entered into force for Bulgaria.

⁹ The date refers to a safeguards agreement pursuant to Article 13 of the Treaty of Tlatelolco. Upon approval by the Board of Governors, an exchange of letters entered into force (for Chile on 9 September 1996; for Colombia on 13 June 2001; for Panama on 20 November 2003) confirming that the safeguards agreement satisfies the requirement of Article III of the NPT.

¹⁰ The application of safeguards in Cyprus under the NPT safeguards agreement INFCIRC/189, in force since 26 January 1973, was suspended on 1 May 2008, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193) to which Cyprus had acceded, entered into force for Cyprus.

¹¹ The application of safeguards in the Czech Republic under the NPT safeguards agreement INFCIRC/541, in force since 11 September 1997, was suspended on 1 October 2009, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193) to which the Czech Republic had acceded, entered into force for the Czech Republic.

¹² The application of safeguards in Denmark under the bilateral NPT safeguards agreement INFCIRC/176, in force since 1 March 1972, was suspended on 5 April 1973, on which date the agreement of 5 April 1973 (INFCIRC/193) between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Denmark had acceded, entered into force for Denmark. Since 1 May 1974, that agreement also applies to the Faroe Islands. Upon Greenland's secession from EURATOM as of 31 January 1985, the agreement between the Agency and Denmark (INFCIRC/176) re-entered into force for Greenland.

¹³ The application of safeguards in Estonia under the NPT safeguards agreement INFCIRC/547, in force since 24 November 1997, was suspended on 1 December 2005, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Estonia had acceded, entered into force for Estonia.

¹⁴ The application of safeguards in Finland under the bilateral NPT safeguards agreement INFCIRC/155, in force since 9 February 1972, was suspended on 1 October 1995, on which date the agreement of 5 April 1973 (INFCIRC/193) between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency, to which Finland had acceded, entered into force for Finland.

- ¹⁵ The safeguards agreement referred to is pursuant to Additional Protocol I to the Treaty of Tlatelolco.
- ¹⁶ The NPT safeguards agreement of 7 March 1972 concluded with the German Democratic Republic (INFCIRC/181) is no longer in force with effect from 3 October 1990, on which date the German Democratic Republic acceded to the Federal Republic of Germany.
- ¹⁷ The application of safeguards in Greece under the NPT bilateral safeguards agreement INFCIRC/166, provisionally in force since 1 March 1972, was suspended on 17 December 1981, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Greece had acceded, entered into force for Greece.
- ¹⁸ The application of safeguards in Hungary under the bilateral NPT safeguards agreement INFCIRC/174, in force since 30 March 1972, was suspended on 1 July 2007, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Hungary had acceded, entered into force for Hungary.
- ¹⁹ The application of safeguards in Latvia under the bilateral NPT safeguards agreement INFCIRC/434, in force since 21 December 1993, was suspended on 1 October 2008, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Latvia had acceded, entered into force for Latvia.
- ²⁰ The application of safeguards in Lithuania under the bilateral NPT safeguards agreement INFCIRC/413, in force since 15 October 1992, was suspended on 1 January 2008, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Lithuania had acceded, entered into force for Lithuania.
- ²¹ The application of safeguards in Malta under the bilateral NPT safeguards agreement INFCIRC/387, in force since 13 November 1990, was suspended on 1 July 2007, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Malta had acceded, entered into force for Malta.
- ²² The safeguards agreement referred to was concluded pursuant to both the Treaty of Tlatelolco and the NPT. The application of safeguards under an earlier safeguards agreement pursuant to the Treaty of Tlatelolco, which entered into force on 6 September 1968 (INFCIRC/118), was suspended as of 14 September 1973.
- ²³ Whereas the NPT safeguards agreement and SQP with New Zealand (INFCIRC/185) also apply to Cook Islands and Niue, the AP thereto (INFCIRC/185/Add.1) does not apply to those territories.
- ²⁴ The application of safeguards in Poland under the NPT safeguards agreement INFCIRC/179, in force since 11 Oct. 1972, was suspended on 1 March 2007, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193) to which Poland had acceded, entered into force for Poland.
- ²⁵ The application of safeguards in Portugal under the bilateral NPT safeguards agreement INFCIRC/272, in force since 14 June 1979, was suspended on 1 July 1986, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Portugal had acceded, entered into force for Portugal.
- ²⁶ The application of safeguards in Romania under the NPT safeguards agreement INFCIRC/180, in force since 27 October 1972, was suspended on 1 May 2010, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193) to which Romania had acceded, entered into force for Romania.
- ²⁷ The NPT safeguards agreement concluded with the Socialist Federal Republic of Yugoslavia (INFCIRC/204), which entered into force on 28 December 1973, continues to be applied in Serbia (formerly Serbia and Montenegro) to the extent relevant to the territory of Serbia.
- ²⁸ The application of safeguards in Slovakia under the bilateral NPT safeguards agreement with the Czechoslovak Socialist Republic (INFCIRC 173), in force since 3 March 1972, was suspended on 1 December 2005, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Slovakia had acceded, entered into force for Slovakia.
- ²⁹ The application of safeguards in Slovenia under the NPT safeguards agreement INFCIRC/538, in force since 1 August 1997, was suspended on 1 September 2006, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193) to which Slovenia had acceded, entered into force for Slovenia.
- ³⁰ The application of safeguards in Sweden under the NPT safeguards agreement INFCIRC/234, in force since 14 April 1975, was suspended on 1 June 1995, on which date the agreement of 5 April 1973 between the non-nuclear-weapon States of EURATOM, EURATOM and the Agency (INFCIRC/193), to which Sweden had acceded, entered into force for Sweden.
- ³¹ The SQP ceased to be operational upon entry into force of the amendments to the SQP.
- ³² Date refers to the INFCIRC/66-type safeguards agreement, concluded between the United Kingdom and the Agency, which remains in force.

Table A7. Participation in multilateral treaties for which the Director General is depositary, conclusion of Revised Supplementary Agreements and acceptance of amendments to Articles VI and XIV.A of the Agency's Statute (status as of 31 December 2012)

State/Organization	P&I	VC	CPPNM	CPPNMAM	ENC	AC	JP	NS	RADW	PAVC	SUPP	RSA	VI	XIV.A
* Afghanistan			P		Sr	Sr						P	X	
* Albania	P		P		P	P		P	P			P	X	X
* Algeria			Pr	CS	Pr	Pr		S				P	X	X
Andorra			Pr											
* Angola					P							P		
Antigua Barbuda			P	CS										
* Argentina	P	P	Pr	CS	Pr	Pr	S	P	P	P	CS	P	X	X
* Armenia		P	P		P	P		P				P		
* Australia	P		P	CS	Pr	Pr		P	P		S			
* Austria			Pr	CS	P	Pr		Pr	P				X	X
* Azerbaijan			Pr									S		
Bahamas			Pr											
* Bahrain			Pr	CS	Pr			P				P		
* Bangladesh			P		P	P		P				P		
Barbados														
* Belarus	Pr	P	Pr		Pr	Pr		P	P	P		P	X	X
* Belgium	Pr		Pr		P	P	S	P	P					
* Belize												P		
* Benin	P											P		
Bhutan														
* Bolivia	P	P	P		Pr	Pr						P		
* Bosnia and Herzegovina	Pr	P	P	CS	P	P		P	P			P		
* Botswana			P		P	P						P		
* Brazil	P	P	P		P	P		P	P			P	X	X
Brunei														
* Bulgaria	Pr	P	P	CS	P	P	P	P	P			P	X	X
* Burkina Faso			P									P		

Table A7. Participation in multilateral treaties for which the Director General is depositary, conclusion of Revised Supplementary Agreements and acceptance of amendments to Articles VI and XIV.A of the Agency's Statute (status as of 31 December 2012) (cont.)

State/Organization	P&I	VC	CPPNM	CPPNMAM	ENC	AC	JP	NS	RADW	PAVC	SUPP	RSA	VI	XIV.A
* Burundi												P		
* Cambodia			P		P			P				P		
* Cameroon	P	P	P		P	P	P					P		
* Canada	Pr		P		Pr	Pr		P	P				X	X
Cape Verde			P											
* Central African Republic			P											
* Chad												P		
* Chile	Pr	Pr	P	CS	P	P	P	P	P			P		
* China	Pr		Pr	CS	Pr	Pr		P	Pr			P		
* Colombia	P	S	P		P	Pr						P		
Comoros			P											
* Congo														
* Costa Rica			P		P	P						P		
* Côte d'Ivoire			P		S	S						P		
* Croatia	P	P	P	CS	P	P	P	P	P			P	X	X
* Cuba	Pr	P	Pr		Pr	Pr		S				P		
* Cyprus	P		Pr		P	P		P	P			P	X	X
* Czech Republic	P	P	P	CS	P	P	P	P	P	S	S	P	X	X
DPRK					Sr	Sr								
* Dem. Rep. of the Congo	P		P		S	S						P		
* Denmark	Pr		P	CSr	P	Pr	P	Pr	Pr				X	X
Djibouti			P											
* Dominica			P											
* Dominican Republic			P		P							P		
* Ecuador	P		P									P		
* Egypt	P	P			Pr	Pr	P	S				P		
* El Salvador			Pr		Pr	Pr						P	X	

Table A7. Participation in multilateral treaties for which the Director General is depositary, conclusion of Revised Supplementary Agreements and acceptance of amendments to Articles VI and XIV.A of the Agency's Statute (status as of 31 December 2012) (cont.)

State/Organization	P&I	VC	CPPNM	CPPNMAM	ENC	AC	JP	NS	RADW	PAVC	SUPP	RSA	VI	XIV.A
Equatorial Guinea			P											
* Eritrea														
* Estonia	P	P	P	CS	P	P	P	P	P			P	X	X
* Ethiopia												P	X	
* Fiji			P	CS										
* Finland	P		Pr	CS	P	Pr	P	P	P				X	X
* France			Pr		Pr	Pr	S	P	P				X	X
* Gabon			P	CS	P	P			P			P		
Gambia														
* Georgia			P	CS	P				P			P		
* Germany	Pr		Pr	CS	Pr	Pr	P	P	P				X	X
* Ghana	P		P	CS				P	P			P		
* Greece	P		Pr	CS	Pr	Pr	P	P	P			P	X	X
Grenada			P											
* Guatemala			Pr		P	P						P		
Guinea			P											
Guinea-Bissau			P											
Guyana			P											
* Haiti			S									P		
* Holy See	P				S	S							X	X
* Honduras			P									P		
* Hungary	Pr	P	P	CS	P	P	P	P	P	S		P	X	X
* Iceland	P		P		P	P		P	P			P	X	X
* India	P		Pr	CS	Pr	Pr		P			S			
* Indonesia	Pr		Pr	CS	Pr	Pr		P	P	S	S	P		
* Iran, Islamic Republic of	P				Pr	Pr						P		X
* Iraq	P				Pr	Pr						P		

Table A7. Participation in multilateral treaties for which the Director General is depositary, conclusion of Revised Supplementary Agreements and acceptance of amendments to Articles VI and XIV.A of the Agency's Statute (status as of 31 December 2012) (cont.)

State/Organization	P&I	VC	CPPNM	CPPNMAM	ENC	AC	JP	NS	RADW	PAVC	SUPP	RSA	VI	XIV.A
* Ireland	P		Pr		P	Pr		P	P			P	X	X
* Israel		Sr	Pr	CSr	Pr	Pr		S				P		
* Italy	Pr		Pr		Pr	Pr	P	P	P	S	S		X	X
* Jamaica	P		P									P		
* Japan	P		P		P	Pr		P	Pr				X	X
* Jordan	Pr		Pr	CS	P	P		P				P		
* Kazakhstan	P	P	P	CS	P	P		P	P	P		P		
* Kenya			P	CS								P		X
Kiribati														
* Korea, Republic of	Pr		Pr		P	Pr		P	P			P	X	X
* Kuwait	P		Pr		P	P		P				P		
* Kyrgyzstan									P			P		
* Lao People's Democratic Republic			Pr											
* Latvia	P	P	P	CS	P	P	P	P	P	P		P	X	X
* Lebanon		P	P		P	P		P	S	S	S	P		
* Lesotho			P	CS								P		
* Liberia														
* Libya			P	CS	P	P		P				P	X	
* Liechtenstein			P	CS	P	P							X	X
* Lithuania	P	P	P	CS	P	P	P	P	P	S	S	P	X	X
* Luxembourg	Pr		Pr	CS	P	P		P	P				X	X
* Madagascar			P									P		
* Malawi														
* Malaysia					Pr	Pr						P		
Maldives														
* Mali			P	CS	P	P		P				P		
* Malta			P					P				P	X	X

Table A7. Participation in multilateral treaties for which the Director General is depositary, conclusion of Revised Supplementary Agreements and acceptance of amendments to Articles VI and XIV.A of the Agency's Statute (status as of 31 December 2012) (cont.)

State/Organization	P&I	VC	CPPNM	CPPNMAM	ENC	AC	JP	NS	RADW	PAVC	SUPP	RSA	VI	XIV.A
* Marshall Islands			P											
* Mauritania			P	CS	P	P			P			P		
* Mauritius	P				Pr	Pr						P		
* Mexico	Pr	P	P	CS	P	P		P				P	X	X
Micronesia														
* Monaco			P		Pr	Pr		S					X	X
* Mongolia	P		P		P	P						P		
* Montenegro	P	P	P		P	P			P	P		P		
* Morocco	Pr	S	P		P	P	S	S	P	P	CS	P	X	
* Mozambique	P		Pr		P	P						P		
* Myanmar					Pr							P	X	X
* Namibia			P									P		
Nauru														
* Nepal												P		
* Netherlands	P		Pr	CS	Pr	Pr	P	P	P				X	X
* New Zealand	P		P		P	Pr								
* Nicaragua	P		P		Pr	Pr		S				P		
* Niger	P	P	P	CS	S	S						P		
* Nigeria	P	P	P	CS	P	P		P	P			P		
Niue														
* Norway	P		Pr	CS	P	Pr	P	P	P				X	X
* Oman	Pr		Pr		Pr	Pr						P		
* Pakistan	Pr		Pr		Pr	Pr		P				P	X	X
* Palau			P									P		
* Panama			P		P	P						P	X	
* Papua New Guinea														
* Paraguay			P		S	S						P		

Table A7. Participation in multilateral treaties for which the Director General is depositary, conclusion of Revised Supplementary Agreements and acceptance of amendments to Articles VI and XIV.A of the Agency's Statute (status as of 31 December 2012) (cont.)

State/Organization	P&I	VC	CPPNM	CPPNMAM	ENC	AC	JP	NS	RADW	PAVC	SUPP	RSA	VI	XIV.A
* Peru		P	Pr		Pr	Pr		P	S	S	S	P	X	X
* Philippines	P	P	P		P	P	S	S	S	S	S	P		
* Poland	P	P	P	CS	P	P	P	P	P	P		P	X	X
* Portugal	Pr		Pr	CS	P	P	S	P	P			P		
* Qatar			Pr		P	P						P		
* Republic of Moldova	Pr	P	P	CS	P	P		P	Pr			P		
* Romania	Pr	P	Pr	CS	Pr	Pr	P	P	P	P	CS	P	X	X
* Russian Federation	Pr	P	P	CS	Pr	Pr		P	P					
* Rwanda			P											
St Kitts Nevis			P											
Saint Lucia			Pr	CS										
St Vincent and Grenadines		P			P	P	P							
Samoa														
San Marino														
Sao Tome and Principe														
* Saudi Arabia		P	Pr	CS	Pr	Pr		P	P	Pr		P		
* Senegal	P	P	P		P	P		P	P		S	P		
* Serbia	P	P	P		P	P						P		
* Seychelles			P	CS								P		X
* Sierra Leone					S	S						P		
* Singapore	Pr				P	P		P				P		
* Slovakia	P	P	P		Pr	Pr	P	P	P			P	X	X
* Slovenia	P		P	CS	P	P	P	P	P			P	X	X
Solomon Islands														
Somalia														
* South Africa	Pr		Pr		Pr	Pr		P	P			P	X	X
* Spain	P	S	Pr	CS	Pr	Pr	S	P	P			P	X	X

Table A7. Participation in multilateral treaties for which the Director General is depositary, conclusion of Revised Supplementary Agreements and acceptance of amendments to Articles VI and XIV.A of the Agency's Statute (status as of 31 December 2012) (cont.)

State/Organization	P&I	VC	CPPNM	CPPNMAM	ENC	AC	JP	NS	RADW	PAVC	SUPP	RSA	VI	XIV.A
* Sri Lanka					Pr	Pr		P				P		
* Sudan			P		S	S		S				P		
Suriname														
Swaziland			P											
* Sweden	P		Pr	CS	P	Pr	P	P	P				X	X
* Switzerland	Pr		Pr	CS	P	P	S	P	P				X	X
* Syrian Arab Republic	P				S	S		S				P		X
* Tajikistan	P		P		P	P			P			P		
* Thailand	Pr				Pr	Pr						P		
* TFYR of Macedonia		P	P	CS	P	P		P	P			P		
Timor Leste														
* Togo			P											
Tonga			P											
* Trinidad Tobago		P	P											
* Tunisia	P		P	CS	P	P		P				P	X	X
* Turkey	Pr		Pr		Pr	Pr	P	P				P	X	X
Turkmenistan			P	CS										
Tuvalu														
* Uganda			P									P		
* Ukraine	Pr	P	P	CS	Pr	Pr	P	Pr	P	S	S	P	X	X
* United Arab Emirates			P	CS	Pr	Pr	P	P	P	Pr		P		
* United Kingdom	P	S	Pr	CS	Pr	Pr	S	P	P				X	X
* United Republic of Tanzania			P		P	P						P		
* USA			P		Pr	Pr		P	P		CSr			
* Uruguay		P	P		P	P	P	P	P			P	X	
* Uzbekistan			P						P			P		
Vanuatu														

Table A7. Participation in multilateral treaties for which the Director General is depositary, conclusion of Revised Supplementary Agreements and acceptance of amendments to Articles VI and XIV.A of the Agency's Statute (status as of 31 December 2012) (cont.)

State/Organization	P&I	VC	CPPNM	CPPNMAM	ENC	AC	JP	NS	RADW	PAVC	SUPP	RSA	VI	XIV.A
* Venezuela												P		
* Vietnam	P		Pr	CS	Pr	Pr		P				P		
* Yemen			P											
* Zambia												P		
* Zimbabwe					S	S						P		
Euratom			Pr		Pr	Pr		Pr	P					
FAO					Pr	Pr								
WHO					Pr	Pr								
WMO					Pr	Pr								

P&I Agreement on the Privileges and Immunities of the IAEA

VC Vienna Convention on Civil Liability for Nuclear Damage

CPPNM Convention on the Physical Protection of Nuclear Material

CPPNM-AM Amendment to the Convention on the Physical Protection of Nuclear Material (not yet in force)

ENC Convention on Early Notification of a Nuclear Accident

AC Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency

JP Joint Protocol Relating to the Application of the Vienna Convention and the Paris Convention

NS Convention on Nuclear Safety

RADW Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management

PAVC Protocol to Amend the Vienna Convention on Civil Liability for Nuclear Damage

CSC Convention on Supplementary Compensation for Nuclear Damage (not yet in force)

RSA Revised Supplementary Agreement Concerning the Provision of Technical Assistance by the IAEA

VI Acceptance of Amendment to Article VI of the IAEA Statute

XIV.A Acceptance of Amendment to Article XIV.A of the IAEA Statute

* Agency Member State

P Party

S Signatory

r Existing reservation/declaration

CS Contracting State

X Accepting State

Table A8. Conventions negotiated and adopted under the auspices of the Agency and/or for which the Director General is the depositary (status and relevant developments)

Agreement on the Privileges and Immunities of the IAEA (reproduced in INFCIRC/9/Rev. 2). In 2012, the status remained unchanged with 83 Parties.

Vienna Convention on Civil Liability for Nuclear Damage (reproduced in INFCIRC/500). Entered into force on 12 November 1977. In 2012, the status remained unchanged with 38 Parties.

Optional Protocol Concerning the Compulsory Settlement of Disputes (reproduced in INFCIRC/500/Add.3). Entered into force on 13 May 1999. In 2012, the status remained unchanged with 2 Parties.

Convention on the Physical Protection of Nuclear Material (reproduced in INFCIRC/274/Rev.1). Entered into force on 8 February 1987. In 2012, 3 States became Party to the Convention. By the end of the year, there were 148 Parties.

Amendment to the Convention on the Physical Protection of Nuclear Material. Adopted on 8 July 2005. In 2012, 9 States adhered to the Amendment, bringing the total to 61 Contracting States.

Convention on Early Notification of a Nuclear Accident (reproduced in INFCIRC/335). Entered into force on 27 October 1986. In 2012, 1 State became Party to the Convention. By the end of the year, there were 114 Parties.

Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency (reproduced in INFCIRC/336). Entered into force on 26 February 1987. In 2012, the status remained unchanged with 108 Parties.

Joint Protocol Relating to the Application of the Vienna Convention and the Paris Convention (reproduced in INFCIRC/402). Entered into force on 27 April 1992. In 2012, 1 State became Party to the Protocol. By the end of the year, there were 27 Parties.

Convention on Nuclear Safety (reproduced in INFCIRC/449). Entered into force on 24 October 1996. In 2012, 1 State became Party to the Convention. By the end of the year, there were 75 Parties.

Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management (reproduced in INFCIRC/546). Entered into force on 18 June 2001. In 2012, 1 State became Party to the Convention. By the end of the year, there were 64 Parties.

Protocol to Amend the Vienna Convention on Civil Liability for Nuclear Damage (reproduced in INFCIRC/566). Entered into force on 4 October 2003. In 2012, 1 State became Party to the Protocol. By the end of the year, there were 10 Parties.

Convention on Supplementary Compensation for Nuclear Damage (reproduced in INFCIRC/567). Opened for signature on 29 September 1997. In 2012, the status remained unchanged with 4 Contracting States and 15 Signatories.

Revised Supplementary Agreement Concerning the Provision of Technical Assistance by the IAEA (RSA). In 2012, 4 States concluded a RSA. By the end of the year, there were 121 States party to a RSA Agreement.

Fifth Agreement to Extend the 1987 Regional Co-operative Agreement for Research, Development and Training Related to Nuclear Science and Technology (RCA) (reproduced in INFCIRC/167/Add.23). Entered into force on 31 August 2011 with effect from 12 June 2012. In 2012, 9 States became Party to the Agreement. By the end of the year, there were 12 Parties.

African Regional Co-operative Agreement for Research, Development and Training Related to Nuclear Science and Technology (AFRA) (Fourth Extension) (reproduced in INFCIRC/377). Entered into force on 4 April 2010. In 2012, 3 States became Party to the Agreement. By the end of the year, there were 34 Parties.

Co-operation Agreement for the Promotion of Nuclear Science and Technology in Latin America and the Caribbean (ARCAL) (reproduced in INFCIRC/582). Entered into force on 5 September 2005. In 2012, the status remained unchanged with 21 Parties.

Co-operative Agreement for Arab States in Asia for Research, Development and Training Related to Nuclear Science and Technology (ARASIA) (First Extension) (reproduced in INFCIRC/613/Add.2). Entered into force on 29 July 2008. In 2012, the status remained unchanged with 9 Parties.

Agreement on the Establishment of the ITER International Fusion Energy Organization for the Joint Implementation of the ITER Project (reproduced in INFCIRC/702). Entered into force on 24 October 2007. In 2012, the status remained unchanged with 7 Parties.

Agreement on the Privileges and Immunities of the ITER International Fusion Energy Organization for the Joint Implementation of the ITER Project (reproduced in INFCIRC/703). Entered into force on 24 October 2007. In 2012, the status remained unchanged with 6 Parties.

Table A9. Nuclear power reactors in operation and under construction in the world (as of 31 December 2012)^a

Country	Reactors in operation		Reactors under construction		Nuclear electricity supplied in 2012		Total operating experience through 2012	
	No. of units	Total MW(e)	No. of units	Total MW(e)	TW-h	% of total	Years	Months
Argentina	2	935	1	692	5.9	4.7	68	7
Armenia	1	375			2.1	26.6	38	4
Belgium	7	5 927			38.5	51.0	254	7
Brazil	2	1 884	1	1 245	15.2	3.1	43	3
Bulgaria	2	1 906			14.9	31.6	153	3
Canada	19	13 500			89.1	15.3	634	5
China	17	12 860	29	28 844	92.7	2.0	141	7
Czech Republic	6	3 804			28.6	35.3	128	10
Finland	4	2 752	1	1 600	22.1	32.6	135	4
France	58	63 130	1	1 600	407.4	74.8	1874	4
Germany	9	12 068			94.1	16.1	790	2
Hungary	4	1 889			14.8	45.9	110	2
India	20	4 391	7	4 824	29.7	3.6	377	3
Iran, Islamic Republic of	1	915			1.3	0.6	1	4
Japan	50	44 215	2	2 650	17.2	2.1	1596	4
Korea, Republic of	23	20 739	4	4 980	143.5	30.4	404	1
Mexico	2	1 530			8.4	4.7	41	11
Netherlands	1	482			3.7	4.4	68	0
Pakistan	3	725	2	630	5.3	5.3	55	8
Romania	2	1 300			10.6	19.4	21	11
Russian Federation	33	23 643	11	9 297	166.3	17.8	1091	4
Slovakia	4	1 816	2	880	14.4	53.8	144	7
Slovenia	1	688			5.2	36.0	31	3
South Africa	2	1 860			12.4	5.1	56	3
Spain	8	7 560			58.7	20.5	293	6
Sweden	10	9 395			61.5	38.1	402	6
Switzerland	5	3 278			24.4	35.9	189	11
Ukraine	15	13 107	2	1 900	84.9	46.2	413	6
United Arab Emirates			1	1 345				
United Kingdom	16	9 231			64.0	18.1	1511	8
United States of America	104	102 136	1	1 165	770.7	19.0	3834	8
Total^{b, c}	437	372 069	67	64 252	2 346.2		15 246	9

^a Data are from the Agency's Power Reactor Information System (PRIS) (<http://www.iaea.org/pris>)

^b Note: The total figures include the following data from Taiwan, China:

6 units, 5028 MW(e) in operation; 2 units, 2600 MW(e) under construction;

40.4 TWh of nuclear electricity generation, representing 19.0% of the total electricity generated.

^c The total operating experience also includes shut down plants in Italy (81 years), Kazakhstan (25 years, 10 months), Lithuania (43 years, 6 months) and Taiwan, China (188 years, 1 month).

Table A10. Integrated Regulatory Review Service (IRRS) missions in 2012

Type	Country
IRRS mission	Finland, Greece, Slovakia, Sweden

Table A11. Safe Long Term Operation (SALTO) missions in 2012

Type	Location/nuclear power plant	Country
SALTO	Wolsong	Republic of Korea
SALTO	Borssele	Netherlands
SALTO	Tihange 1	Belgium

Table A12. Operational Safety Review Team (OSART) missions in 2012

Type	Location/nuclear power plant	Country
OSART	Hongyanhe	China
OSART	Angra 1	Brazil
OSART	Laguna Verde	Mexico
OSART	Muehleberg	Switzerland
OSART	Rajasthan	India
OSART	Temelin	Czech Republic
OSART	Gravelines	France
OSART	Kozloduy	Bulgaria
OSART Follow-up	Doel	Belgium
OSART Follow-up	St. Alban	France
OSART Follow-up	Bohunice	Slovakia
OSART Follow-up	Angra 2	Brazil
OSART-based expert mission	Kori	Republic of Korea
OSART-based expert mission	Loviisa	Finland

Table A13. Integrated Safety Assessment of Research Reactors (INSARR) missions in 2012

Type	Country
Follow-up INSARR mission, WWR-K Research Reactor	Kazakhstan
INSARR mission, Slovenian Research Reactors	Slovenia
Pre-INSARR mission, IRR-1	Israel

Table A14. Integrated Site Safety Review Service missions in 2012

Type	Country
Advisory mission	Hungary, Indonesia, Japan, Kazakhstan, Lebanon, Nigeria, Romania, South Africa, Turkey, Vietnam

Table A15. Emergency Preparedness Review (EPREV) missions in 2012

Type	Country
EPREV	Armenia
EPREV	Bosnia and Herzegovina
EPREV	Croatia
EPREV	Kazakhstan
EPREV	Lithuania
EPREV	Serbia
EPREV	Uruguay
EPREV	Vietnam
EPR as a core component of the IRRS missions in 2012	
IRRS	Finland
IRRS	Greece
IRRS	Slovakia
IRRS	Sweden