



International Atomic Energy Agency
2004 Survey of Member States' Regulatory Infrastructure for the Safe Transport of Radioactive Material
 (status as of 2004-07-13)

No.	MEMBER STATE <i>data validation date</i>	NATIONAL LAW ESTABLISHING THE COMPETENT AUTHORITY FOR RADIOACTIVE MATERIAL TRANSPORT	DESIGNATED COMPETENT AUTHORITY FOR RADIOACTIVE MATERIAL TRANSPORT	NATIONAL DOCUMENTS FOR REGULATING THE TRANSPORT OF RADIOACTIVE MATERIAL, AND EDITION OF IAEA TRANSPORT REGULATIONS	PLANS FOR IMPLEMENTING TS-R-1 THE 1996 EDITION OF IAEA TRANSPORT REGULATIONS
1.	AFGHANISTAN				
2.	ALBANIA				
3.	ALGERIA <i>2001.06.22</i>	Executive Decree No. 90-97 of 1990.02.27; went into effect since edition of the Official Newspaper No. 10 on 1990.03.07	<ul style="list-style-type: none"> · Ministry of Transportation (MT) - administrative functions · Atomic Energy Commission (COMENA) - technical functions 	<ul style="list-style-type: none"> · Executive decree No. 90-79 of 1990.02.27, which is based on the requirements of IMO, ICAO, IATA, ADR, RID 	Following the requirements of IMO, ICAO, IATA, ADR, RID
4.	ANGOLA				
5.	ARGENTINA <i>2002.07.15</i>	Law No. 24.804. Nuclear Activity National Law, April 1997. Decree No. 1390/98 of the Nuclear Activity National Law. November 1998.	Autoridad Regulatoria Nuclear (ARN) – [In English, Nuclear Regulatory Authority]	<ul style="list-style-type: none"> - Documents for domestic and international transport for all modes are based directly on IAEA Transport Regulations, Safety Standards Series No. TS-R-1, 1996 Edition (Revised) [ST-1, Revised], published in June 2000. - Requirements of ICAO and IATA for air, requirements of IMO for water, and requirements of MERCOSUR for land, air and water are also applied for domestic and international transport. 	<ul style="list-style-type: none"> - TS-R-1, 1996 Edition (Revised), in force since 2001.07.01 for air (no transition period). - TS-R-1, 1996 Edition (Revised), in force since 2001.07.17 for road, rail and sea (with 6 months' transition period – up to 2001.12.31).
6.	ARMENIA <i>2001.06.24</i>	Governmental Decree (2001)	<ul style="list-style-type: none"> · For State management and co-ordination of transportation - Ministry of Communication · For State regulation of safety - Armenian Nuclear Regulatory Authority 	<ul style="list-style-type: none"> · Documents for domestic transport by road, rail and post are based directly on ST-1 · Documents for international transport by air and rail are directly based on ST-1 	At the end of 2001
7.	AUSTRALIA <i>2002.09.05</i>	Australian Radiation Protection and Nuclear Safety Act 1998	Commonwealth – Dept. of Health	<ul style="list-style-type: none"> · Code of Practice for the Safe Transport of Radioactive Materials – based on 1996 Version · IMO requirements · ICAO requirements · · Each State and Territory jurisdiction has separate Act and Regulations, either adopting the 1985 or 1996 version of the IAEA regulations, or relevant parts 	Adopted 2001.10.03
			Australian Maritime Safety Authority		Adopted 2002.01.01 via international maritime orders
			Civil Aviation Safety Authority		Adopted 2001.07.01 via the IATA regulations

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			New South Wales - EPA Victoria – Dept. of Health South Australia - EPA Northern Territory – Dept. of Health and Dept. of Industry and Business Queensland – Dept. of Health Western Australia – Dept. of Health Tasmania – Dept. of Health Australian Capital Territory	thereof	Adopted 2001.12.01 NOT YET ADOPTED – New Act expected to be put forward to Parliament early 2005 and amendment to legislation concurrently Adopted 2003.12.18 For general transport of radioactive material – adopted 2002.12.18 For the transport of ores and concentrates – adopted 2003.01.29 Adopted 2003.03.01 Adopted 2002.03.26 Adopted 2002.09.18 Adopted 2002.03.04
8.	AUSTRIA <i>2004.01.07</i>	Act on the Transport of Dangerous Goods (GGBG)	Federal Ministry for Transport, Innovation and Technology	Domestic and international transport are regulated through the requirement of EU Directives (road and rail), ADR (road), RID (rail), Decree on ADN (inland navigation), IMDG Code (sea) and ICAO-TI (air)	Implemented
9.	AZERBAIJAN				
10.	BANGLADESH				
11.	BELARUS				
12.	BELGIUM <i>2004.03.17</i>	Law of April 15 th 1994 concerning the protection of the population and the environment against the danger of ionising radiation and concerning the Federal Agency for Nuclear Control	Federal Agency for Nuclear Control	Documents for regulating domestic and international transport by all modes are based on the requirements of ICAO, IMO, RID (rail), ADR (road), ADNR (Rhine). Conformity with those modal regulations, also for domestic transport, is required by Royal Decree of July 20 th 2001, regulating the protection of the public, the workers and the environment against the danger of ionising radiation.	Implemented according to the provisions of the respective model regulations.
13.	BENIN				
14.	BOLIVIA				

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15.	BOSNIA & HERZEGOVINA				
16.	BOTSWANA				
17.	BRAZIL <i>2003.03.075</i>	Law 4.118 (1956) Law 6.189 (1974) Law 7.781 (1989)	Brazilian National Nuclear Energy Commission (CNEN)	Regulations for domestic and international transport for air, sea, road and rail are based on Safety Series No. 6, 1985 Edition	Requirements of TS-R-1 will be complied with through modal regulations.
18.	BULGARIA <i>2003.05.16</i>	<i>2002 Act on the Safe Use of Nuclear Energy</i>	Nuclear Regulatory Agency	<ul style="list-style-type: none"> Documents for regulating domestic and international transport are in principle based on Safety Series No. 6 and ST-1 For international transport, requirements of ICAO, IMO, OCTI and ADR also apply 	Requirements of TS-R-1 (ST-1, Revised) will be complied with through modal regulations
19.	BURKINA FASO				
20.	CAMEROON				
21.	CANADA <i>2004.06.18</i>	<ul style="list-style-type: none"> Canadian Nuclear Safety and Control Act http://www.nuclearsafety.gc.ca/eng/regulatory_information/regulations/ Transport of Dangerous Goods Act 1992 http://www.tc.gc.ca/acts-regulations/GENERAL/tdg/act/tdg.htm 	<ul style="list-style-type: none"> Canadian Nuclear Safety Commission http://www.nuclearsafety.gc.ca Transport Canada http://www.tc.gc.ca 	<ul style="list-style-type: none"> <i>Packaging and Transport of Nuclear Substances Regulations, SOR/2000-208, 31 May 2000; Amended SOR/2003-405, 2 February 2004 based on IAEA TS- R-1 (1996 Edition (Revised))</i> http://www.nuclearsafety.gc.ca/eng/regulatory_information/pdf/Ptns_e-5-consolidation.pdf <i>Transport of Dangerous Goods Regulations, SOR/DORS/2001-286, 1 August 2001 – based on TS-R-1 (1996 Edition)</i> http://www.tc.gc.ca/tdg/clear/tofc.htm 	<ul style="list-style-type: none"> TS-R-1 incorporated via national legislation and reference to international requirements for sea and air transport
22.	CENTRAL AFRICAN REPUBLIC				
23.	CHILE <i>2004.04.12</i>	Nuclear Safety Law (updated in 2002) and Safe Transport of Radioactive Materials Decree	<ul style="list-style-type: none"> Chilean Nuclear Energy Commission (and Health Services by bilateral agreement) 	<ul style="list-style-type: none"> Safe Transport of Radioactive Materials Decree No. 12 1985 based on SS6 (1985) 	Yes, late in 2004 or 2005

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24.	CHINA <i>2004.02.11</i> <i>HKSAR Data</i> <i>2004.01.16</i>	Hong Kong Special Administrative Region (HKSAR): Law of Hong Kong, Chapter 3 Radiation Ordinance	· China Atomic Energy Authority www.caea.gov.cn · State Environmental Protection Administration www.zhb.gov.cn · Ministry of Health www.moh.gov.cn · Ministry of Railways www.chinamor.cn.net HKSAR: Radiation Board, Department of Health	- <i>Drafting "Regulation on the Safety Management for the Transport of Radioactive Material", based on TS- R-1 currently under review</i> - <i>Revised national standard GB11806 "Regulation for the Safe Transport of Radioactive Material" based on TS-R-1 will be issued in 2004</i> HKSAR: Law of Hong Kong: Chapter 303A (Radiation - Control of Radioactive Substances Regulations), Chapter 303B (Radiation - Control of Irradiating Apparatus Regulations)	<u>HKSAR:</u>
25.	COLOMBIA				
26.	COSTA RICA <i>2003.03.17</i>	· Law No. 5395 (November 1973) · Executive Decree No. 24037-S (March 1995)	Programa Control de Radiaciones (PCR)	Documents for domestic transport by road, rail and post are based directly on IAEA Transport Regulations, Safety Standards Series No. TS-R-1, 1996 Edition	Implemented
27.	COTE D'IVOIRE				
28.	CROATIA				
29.	CUBA <i>2003.06.11</i>	Decree-Law No. 207 "On the Use of Nuclear Energy" of February 2000	National Center for Nuclear Safety (CNSN acronym in Spanish) belongs to the Ministry of Science, Technology and Environment	Ministerial Resolution No. 121 "Regulation for the Safe Transport of Radioactive Materials" of December 2000 which is based on TS-R-1, the 1996 Edition of IAEA Transport Regulation	Implemented
30.	CYPRUS <i>2004.03.09</i>	Protection from Ionizing Radiation Law of 2002	Radiation Inspection and Control Service Dept. of Labour Inspection	Protection from Ionizing Radiation Law of 2002 covers the transport of radioactive material	Under discussion
31.	CZECH REPUBLIC <i>2004.06.28</i>	Act No. 18/1997 Coll. of 20 December 1996 of Peaceful Utilization of Nuclear Energy and Ionizing Radiation (the Atomic Law) and about Alterations and Amendments of some Legislation	State Office for Nuclear Safety	· Documents for regulating domestic and international transport by all modes are based on the requirements of ICAO/IATA (air), RID (rail), ADR (road) and ADN (inland waterways). Conformity with TS-R-1 requirements is required also by Decree No. 317/2002 Coll. on Package Design Approval and Transport of Radioactive Materials.	TS-R-1 requirements are complied with through modal regulations
32.	DEMOCRATIC REPUBLIC OF THE CONGO				
33.	DENMARK <i>2004.05.27</i>	Act. No. 94 of 31 March 1953 on the Use etc. of Radioactive Materials	National Institute of Radiation Hygiene (NIRH)	<i>Order No. 993 of 5 December 2001 on the Transport of Radioactive Materials - based on Safety Standards Series, Regulations for the Safe Transport of Radioactive Material, 1996 Edition Revised, TS-R-1</i>	Order implemented
34.	DOMINICAN REPUBLIC				
35.	ECUADOR				
36.	EGYPT				

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37.	EL SALVADOR <i>2004.04.23</i>	Codigo de Salud – Reglamento Especial de Proteccion y Seguridad Radiologica	Ministerio de Salud – Unidad Reguladora y Asesora de Radiaciones Ionizantes (UNRA)	Reglamento especial de Proteccion y Seguridad Radiologica	La Regulacion se basa en el reglamento de transporte TS-R-1
38.	ERITREA			.	
39.	ESTONIA <i>2003.07.14</i>	<i>The Radiation Act (1977 as amended 1998, 1999, 2000)</i>	Estonian Radiation Protection Centre	<ul style="list-style-type: none"> · Government Regulation 21 July 1998 No. 162 - based on Safety Series No. 6 1985 Edition (As Amended 1990) · Regulation on Transport of Dangerous Goods by Road, Regulation of the Minister of Transport and Communications No. 118 of 14.12.2001 · For international transport, the requirements of ICAO, IMO and ADR are applied as well 	
40.	ETHIOPIA				
41.	FINLAND <i>2004.06.29</i>	<ul style="list-style-type: none"> · <i>Nuclear Energy Act 11.12.1987/990</i> · <i>Act on Transport of Dangerous Goods 2.8.1994/719</i> 	Radiation and Nuclear Safety Authority (STUK)	Document for domestic and international transport is based on the requirements of ICAO, IMO, UPU, RID (rail) and ADR (road)	TS-R-1 requirements are complied with through modal regulations.
42.	FRANCE <i>2002.06.26</i>	<ul style="list-style-type: none"> - Decree no. 2002-253 of 22 February 2002 amending decrees no. 97-706 of 11 June 1997 relating to the remits of the Ministry for the Labor and Solidarity, no. 97-710 of 11 June 1997 relating to the remits of the Ministry for the Economy, Finance and Industry and no. 97-715 of 11 June 1997 relating to the remits of the Ministry for the Environment and Territorial Development. - Decree no. 2002-255 of 22 February 2002 amending decree no. 93-1272 of 1st December 1993 and creating a Directorate General for Nuclear Safety and Radiation Protection 	Directorate General for Nuclear Safety and Radiation Protection (DGSNR)	Documents for domestic and international transport is based on the requirements of ICAO (air), IMO (sea), UPU (mail), RID (rail), ADR (road), AND (inland waterways), ADNR (Rhine)	TS-R-1 requirements are complied with through modal regulations. TS-R-1 in force since 2001.07.01
43.	GABON				
44.	GEORGIA				

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45.	GERMANY 2004.02.05	<ul style="list-style-type: none"> · <i>Atomic Energy Act 1959, revised 2002</i> · <i>Transport of Dangerous Goods 1975, revised 1998</i> 	<ul style="list-style-type: none"> · Bundesministerium für Verkehr, Bau- und Wohnungswesen · Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit · Bundesamt für Strahlenschutz - applications for approval of Type B and fissile packages, shipments, special arrangements and notifications · Bundesanstalt für Materialforschung und -prüfung - applications for special form material, low dispersible material and UF6 	Document for domestic and international transport is based on the requirements of ICAO, IMO, RID (rail), ADR (road), ADNR (Rhine)	<ul style="list-style-type: none"> · 2001.07.01 for rail, road and air · 2001 for sea · 2003.01.01 for transport on the Rhine
46.	GHANA				
47.	GREECE 2002.05.17	<ul style="list-style-type: none"> - Establishment of GAEC, Official Gazette 1733, 1987.09.22 - Organization of GAEC, Official Gazette 173a, 1993.10.05 - Radiation Protection Rules, Official Gazetta 539b, 1991.07.19 (revised 216b, 2001.03.06) 	Greek Atomic Energy Commission	Radiation Protection Rules, based on TS-R-1	2001.03.06
48.	GUATEMALA				
49.	HAITI				
50.	HOLY SEE				
51.	HONDURAS				
52.	HUNGARY 2001.07.13	<ul style="list-style-type: none"> · <i>Government Decree No. 87/1997 (V.28) Korm. on Duties and Scope of Authority of the HAEC and on the Scope of Duty of Authority, and Jurisdiction for Imposing Penalties of the HAEA</i> · <i>Hungarian Atomic Energy Act No. CXVI of 1996</i> 	Hungarian Atomic Energy Authority	Document for domestic and international transport is based on requirements of ICAO, RID (rail), ADR (road), ADN (inland waterways)	<ul style="list-style-type: none"> · 2001.07.01 for rail, road and air · 2001 for sea
53.	ICELAND 2003.07.28	Radiation Protection Act of 2002. no. 44/2002	Icelandic Radiation Protection Institute	Documents for domestic and international transport are based on the requirements of ICAO, IMO UPU and ADR	TS-R-1 requirements are complied with through modal regulations
54.	INDIA				
55.	INDONESIA				

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56.	IRAN, ISLAMIC REPUBLIC OF <i>2004.01.31</i>	Radiation Protection Act of Iran (RPAI), April 1989	National Radiation Protection Department (NRPD) of the Iranian Nuclear Regulatory Authority (INRA)	- Basic Radiation Safety Standards (BRSS), October 1999 - Regulations on Safe Transport of Radioactive Materials (2002 draft) National documents for domestic and international transport for road, air, rail and post are directly based on the IAEA Safety Series No. ST-1, 1996	Implementing since March 2000
57.	IRAQ				
58.	IRELAND <i>2002.07.19</i>	The Radiological Protection Act, 1991	Radiological Protection Institute of Ireland	· Document for domestic and international transport for air, sea and road is based on TS-R-1, the 1996 Edition of the IAEA Transport Regulations · Carriage of Dangerous Goods by Road and Rail Regulations, 2001, S.I. No. 492 of 2001	Implementing since 2001.04.01
59.	ISRAEL				
60.	ITALY <i>2003.05.065</i>	· <i>Law No. 1860/62 and subsequent modification</i> · <i>Legislative Decree No. 230/1995 (on transposition of the Euratom Directives on Radiation Protection n. 80/836, 84/467, 84/466, 89/618, 90/641, 92/3) as modified by Legislative Decrees n. 241/2000 and 257/2001 (Directive Euratom n. 96/29)</i>	1. For granting licence for transport of radioactive materials: Ministero Attività Produttive (formerly Ministero dell'Industria, del Commercio e dell'Artigianato) together with Ministero Infrastrutture e Trasporti (formerly Ministero dei Trasporti e della Navigazione) based upon technical advice of APAT (Agenzia per la Protezione dell'Ambiente e per I Servizi Tecnici) and Ministero dell'Interno 2. For approval of packages and special form radioactive materials as well as for validation of certificates: ANPA 3. For shipments approval (including special arrangement) ANPA and Ministero Infrastrutture e Trasporti	· Document for domestic and international transport are based on requirements of ICAO (air), IMO (sea), RID (rail), ADR (road) · For ADR and RID, requirements are implemented by transposition into national legislation of EU directives	· 2002.01.01 for rail, road · 2001.07.01 for air · 2002.01.01 for sea
61.	JAMAICA				

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62.	JAPAN <i>2002.07.08</i>	<ul style="list-style-type: none"> · Ministry of Economy, Trade and Industry Establishment Law, Article 20 (Law No. 99, 1999) · Ministry of Education, Culture, Sports, Science and Technology Establishment Law (law No. 96, 1999) · Ordinance for the Ministry of Education, Culture, Sports, Science and Technology Organization (Government Ordinance No. 251, 2000), Article 2 · Ministry of Land, Infrastructure and Transport Establishment Law, Article 2, 3 (Law No. 100, 1999) 	<ul style="list-style-type: none"> · Nuclear and Industrial Safety Agency, Ministry of Economy, Trade and Industry - approval of package designs for nuclear fuel material transported by a licensee of power reactors and nuclear fuel cycle facilities · Science and Technology Policy Bureau, Ministry of Education, Culture, Sports, Science and Technology - approval of package designs for nuclear fuel material transported by a licensee of research reactors (except those power reactors) and nuclear fuel facilities (except nuclear fuel cycle facilities), and for radioactive material (except nuclear fuel material and nuclear fuel source material) · Ministry of Land, Infrastructure and Transport - approval of shipments by all modes (in case of special transport, include approval of package designs for transport by sea or air) and for approval of package designs for nuclear fuel material transported by a licensee of practical marine reactor, foreign nuclear ship operators and transport 	Document for domestic and international transport is based on requirements of ICAO and IMO. In addition for international transport by post, UPU requirements apply.	already implementing
63.	JORDAN <i>2003.06.26</i>	Law No. 29 for 2001, Atomic Energy and Radiation Protection Law	Jordan Atomic Energy Commission	Documents for domestic and international transport based on ST-1	Already implemented
64.	KAZAKHSTAN				
65.	KENYA				
66.	KOREA, REP. OF <i>2002.02.12</i>	Atomic Energy Law (2001)	Ministry of Science and Technology (MOST)	Document for domestic and international transport for air, sea and road is based on TS-R-1, the 1996 Edition of the IAEA Transport Regulations	Already implementing (since 2001.09.18)
67.	KUWAIT <i>2004.04.27</i>	At the end of 2004	Radiation Protection Department, Ministry of Health	AMIRI LAW 137/1977	Draft Transport Regulation Reference TS-R-1

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68.	KYRGYZSTAN				
69.	LATVIA <i>2003.06.05</i>	Law on Radiation Safety and Nuclear Safety (2000)	Radiation Safety Centre	Cabinet of Ministers Regulation No. 149 "Regulation on protection against ionising radiation", national safety standards, 2002.04.09 Cabinet of Ministers Regulations No. 307 "Regulation on protection against ionising radiation during the transport of radioactive material" (2002.04.09) was elaborated taking into account the 1996 edition of the IAEA Transport Regulations	Already implementing
70.	LEBANON				
71.	LIBERIA				
72.	LIBYAN ARAB JAMAHIRIYA				
73.	LIECHTENSTEIN <i>2001.07.12</i>	Because of the Customs Union Treaty between Switzerland and Liechtenstein the following Swiss laws are applicable in Liechtenstein with regard to the establishment of the competent authorities for radioactive material transport: Atomgesetz, Atomverordnung, Strahlenschutzgesetz, Strahlenschutzverordnung	<ul style="list-style-type: none"> · Swiss Federal Office for Energy: import, export, transport and transit licences for nuclear material and nuclear wastes · Swiss Federal Office for Public Health: licenses the handling (including transport) of non-nuclear radioactive material 	<ul style="list-style-type: none"> · Document for domestic transport is based on requirements of ICAO, IATA, RID (rail), ADR (road), and ADNR (Rhine) · Document for international transport is based on requirements of ICAO, IATA, IMO, UPU, RID (rail), ADR (road), ADN (inland waterways) and ADNR (Rhine) 	TS-R-1 requirements are complied with through modal regulations
74.	LITHUANIA <i>2004.006.09</i>	Law on Radiation Protection No. VIII-1019 of 1999.01.12 (Amendment No. IX-2115 of 2004.04.13)	Radiation Protection Centre – licensing of transport of radioactive materials, single permits for transport of radioactive materials (http://www.rsc.lt)	Government Resolution No. 653 on Regulations of Licensing the Practices with Sources of Ionizing Radiation, adopted on 1999.05.25 (new edition No. 205 of 2004.02.23) Order No. 15 of the Director of the Radiation Protection Centre of 2004.04.30 on Approval of Temporary Regulations for the Import, Export, Transit and Shipment within the Country of Radioactive Substances and Radioactive Waste	Implemented
		Government Resolution No. 1339 on Accession of European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), adopted on 1995.10.12. Government Resolution No. 1284 on Accession of Convention concerning International Carriage by Rail of 9 May 1980 (COTIF), adopted on 1994.19.12	Ministry of Transport and Communications – transport of all dangerous goods by road and rail (except nuclear fuel) (http://www.transp.lt)	Government Resolution No. 337 on Transport of Dangerous Goods by Road in the Republic of Lithuania, adopted on 2000.03.23. Government Resolution No. 84 on Transport of Dangerous Goods by Rail in the Territory of Republic of Lithuania, adopted on 2002.01.22	Implemented

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		Law on Strategic Goods Export Control No. IX-2198 of 2004.04.29	Ministry of Economy – licensing of dual-use goods and technologies (http://www.ekm.lt)	-	Implemented
		Law on Nuclear Energy No. I-1613 of 1996.11.14	State Nuclear Power Safety Inspectorate – licensing of transport of nuclear materials, approvals and notifications of Type-B packages design and shipments, special arrangements for non- excepted fissile packages (hht://www.vatesi.lt)	Government Resolution No. 103 on Regulation on Licensing of Nuclear Power Related Activities, adopted on 1998.01.27	Implemented through modal regulations
75.	LUXEMBOURG				
76.	MADAGASCAR				
77.	MALAYSIA 2002.04.11	Atomic Energy Licensing Act 1984	Atomic Energy Licensing Board (AELB)	- Radiation Protection (Transport) Regulations 1989 - Document for domestic and international transport for air, sea, road, rail, post and inland waterway is based on Safety Series No. 6 1985 Edition Supplement 1988 - In addition the requirements of ICAO, IATA, IMO and UPU are applied.	2005
78.	MALI				
79.	MALTA 2001.07.03	As yet Malta does not have its own specific radiation protection legislation.	The importation into and onto Maltese territory is regulated by the Occupational Health and Safety Authority, which also takes care to co-ordinate any actions required locally by the Environment Department, the Health Department and the Civil Protection Department	· National document for domestic and international transport for sea is based on the Safety Series No. 6, 1985 Edition (As Amended 1990) · In addition, the requirements of IMO are applied. The Dangerous Cargo Ships Regulations requires that all ships discharging cargo through any port, including the Malta Freeport, must present a Package Certificate (1966 Port Regulations) to the Authority prior to arrival in Maltese Territorial waters within a 12-mile limit.	National law is being rapidly updated.
80.	MARSHALL ISLANDS				
81.	MAURITIUS				
82.	MEXICO 2004.03.31	- Law of Constitutional Article 27 in Nuclear Matters, issued in 1995 - Regulation for Road Transport of Hazardous Material and Wastes, issued in 1993 - Radiological Safety General Regulation, issued in 1988	· Communications and Transport Ministry · Nuclear Safety and Safeguards National Commission	There are no national regulations for transport of radioactive material, however, in fact Mexico has adopted the IAEA Safety No. 6	At the end of 2004
83.	MONACO				
84.	MONGOLIA				
85.	MOROCCO				

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86.	MYANMAR				
87.	NAMIBIA				
88.	NETHERLANDS <i>2002.07.09</i>	<ul style="list-style-type: none"> · Nuclear energy act, latest revision by act of 13 December 2000 Stb 2001,30 · Decree on transport of fissile materials, ores and radioactive materials, latest revision by decree of 6 December 2000, Stb 2001,17 	<ul style="list-style-type: none"> · Ministry of Housing, Spatial Planning and the Environment · Ministry of Social Affairs and Employment - applications for permits or approvals 	Document for domestic and international transport is based on requirements of ICAO, IMO, UPU, RID (rail), ADR (road), ADN (Rhine)	Requirements are complied with through the modal organizations following the implementation dates of ADR, RID, IMDG Code and ICAO-IT.
89.	NEW ZEALAND <i>2001.04.09</i>	<i>Radiation Protection Act 1965 (RPA)</i>	National Radiation Laboratory	<i>Regulation 2(3) of the Radiation Protection Regulations 1982, in New Zealand Gazette 22/3/2001 No. 30 . p669</i> IAEA Transport Regulations 1996 Revised	Effective 1 July 2001
90.	NICARAGUA				
91.	NIGER				
92.	NIGERIA				
93.	NORWAY <i>2002.03.19</i>	<i>Act 12 May 2000 No. 36 on Radiation Protection and Utilisation of Radiation</i>	Norwegian Radiation Protection Authority	Document for domestic and international transport is based on requirements of ICAO, IMO, RID (rail), ADR (road)	Requirements of TS-R-1 are complied with through modal regulations
94.	PAKISTAN <i>2004.06.02</i>	Pakistan Nuclear Regulatory Authority Ordinance - 2001	Pakistan Nuclear Regulatory Authority	<ul style="list-style-type: none"> • Pakistan Nuclear Safety and Radiation Protection Regulations – 1990 • New documents in draft: Regulation for the Safe Transport of Radioactive Material – PAK/916, Regulation for the Package Design and Contents Limits of Packages – PAK/--- 	At the end of 2004
95.	PANAMA				
96.	PARAGUAY				
97.	PERU <i>2004.03.10</i>	<p>Law No. 28028 establishes that all of the practices – including transport of radioactive material – are regulated and controlled by IPEN, as National Authority.</p> <p>The Decree Law No. 21875 establishes the duties of IPEN on radiation and nuclear safety.</p>	Instituto Peruano de Energía Nuclear (IPEN) designated by Decree Law No. 21875 and Law No. 28028	The Radiological Safety Regulation (D.S. 009-07-EM) establishes that the requisites for transport are those from IAEA Regulations for the Safe Transport of Radioactive Material. Currently, TS-R-1 (ST-1 Revised), Edition 2000 is applied for domestic and international transport. The new Regulation for Authorizations, Control, Enforcement, Violations and Sanctions (D.S. No. 041-2003-EM) establishes as an obligation the authorization for transport and the approval of package design and also the validation of certificates issued by other authorities.	Currently implemented.

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98.	PHILIPPINES 2003.03.13	<ul style="list-style-type: none"> · Republic Act No. 2067 (Science Act of 1958) · Republic Act No. 5207 (Atomic Energy Regulatory and Liability Act of 1968) 	Philippine Nuclear Research Institute (formerly Philippine Atomic Energy Commission)	<ul style="list-style-type: none"> · Republic Act No. 5207 (Atomic Energy Regulatory and Liability Act of 1968) · PNRI Administrative Order No. 1, Series of 2000, PNRI Adoption of IAEA ST-1 (date of effectivity: 10 July 2000) 	Revision of the Code of PNRI Regulations Part 4 (Rules and Regulations on the Safe Transport of Radioactive Materials in the Philippines, 1966) to be based on IAEA ST-1
99.	POLAND 2004.06.15	<ul style="list-style-type: none"> - Act of Parliament of 29 November 2000 – Atomic Law, revised 2004 - Act of Parliament of 28 October 2002 on the transport of dangerous goods by road - Act of Parliament of 31 March 2004 on the transport of dangerous goods by rail 	President of the National Atomic Energy Agency	Documents for domestic and international transport are based on the current requirements of ADR (road), RID (rail), IATA (air) and IMO (sea). These, in turn, are based on TS-R-1.	Implemented.
100.	PORTUGAL				
101.	QATAR				
102.	REPUBLIC OF MOLDOVA				
103.	ROMANIA 2003.03.14	Law no. 111/1996 on the safe deployment of nuclear activities, with subsequent modifications	National Commission for Nuclear Activities Control - CNCAN	<ul style="list-style-type: none"> · Fundamental Norms on the Safe Transport of Radioactive Material are transposing the technical requirements of IAEA Regulations on the Safe Transport of Radioactive Material, TS-R-1, 1996 Edition. · The Norms for Transport of Radioactive Materials – Authorization Procedures establish the requirements for the authorization of all activities associated with the moving of radioactive materials. These norms transpose, in part, the requirements of IAEA Regulations on the Safe Transport of Radioactive Material TS-R-1, 1996 Edition. The provisions of the norms are more stringent because the Law 111/1996 as amended requires authorization of all practices. 	2002

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104.	RUSSIAN FEDERATION 2002.07.12	Decree of Government of the Russian Federation on March 19 of 2001 No. 204	Ministry for Atomic Energy of the Russian Federation (MINATOM)	<ul style="list-style-type: none"> · National documents for radiation and criticality safety for domestic and international transport by air, sea, road, rail and inland waterways are based on Safety Series No. 6 1973 Edition (partly) and 1985 Edition (As Amended). · The requirements of ICAO (based on ST-1 for RM) are implemented for domestic and international transport by air. · The requirements of ADR (based on ST-1 for RM) are implemented for international transport by road. 	2002 for both domestic and international transport by using new national rules for radiation and criticality safety for RM transport; 2003 for sea transport by using new national sea rules.
105.	SAUDI ARABIA				
106.	SENEGAL				
107.	SERBIA AND MONTENEGRO				
108.	SEYCHELLES				
109.	SIERRA LEONE				
110.	SINGAPORE 2004.01.13	<i>The Radiation Protection Act 1973, updated 1991</i>	<ul style="list-style-type: none"> · Health Sciences Authority · Civil Aviation Authority of Singapore (CAAS) 	<i>The Radiation Protection (Transport of Radioactive Materials) Regulations 2000</i> - based on TS-R-1, applies: <ul style="list-style-type: none"> · For domestic transport for road, rail, post, inland waterways · For international transport for air, sea, road, rail, post, inland waterways 	already in force since 2000.02.01
111.	SLOVAKIA 2001.05.22	Laws No.: 2/1993, 347/1990, 130/1998	<ul style="list-style-type: none"> · The Ministry of Transport, Post and Telecommunication · Nuclear Regulatory Authority · Ministry of Health 	Documents for domestic and international transport are based on requirements of ICAO, IATA, ADN, RID, ADR	Already implemented by Regulation No. 284/1999
112.	SLOVENIA 2004.03.03	Transportation of Dangerous Goods Act 1999	<ul style="list-style-type: none"> · Ministry of the Environment, Energy and Spatial Planning - Slovenian Nuclear Safety Administration · Ministry of Health – Slovenian Radiation Protection Administration 	Documents for domestic and international transport are based on requirements of ICAO, IMO, RID, ADR	Implemented 200
113.	SOUTH AFRICA				

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114.	SPAIN <i>2004.06.14</i>	<ul style="list-style-type: none"> · Royal Decree 1256/2003 on competent authorities on transport of dangerous goods · Royal Decree 1836/1999 on nuclear and radioactive installations (the article 77 defines the competent authority for approval of shipments and packages of radioactive material) 	<ul style="list-style-type: none"> · Comisión de Coordinación del Transporte de Mercancías Peligrosas belonging to Ministerio de Fomento - for transport cooperation · Dirección General de Política Energética y Minas belonging to Ministerio de Industria, Turismo y Comercio - for approval of shipment of material, packages and security financial certificates 	<ul style="list-style-type: none"> · Documents for domestic and international transport are based on requirements of ICAO, IMO, RID and ADR regulations. · The ICAO, IMO, RID and ADR edition implemented in Spain are based on TS-R-1 (ST-1 revised), 1996 Edition (revised) of IAEA Regulations 	<ul style="list-style-type: none"> · TS-R-1 is already implemented in air, maritime, road and rail modes through international modal regulations.
115.	SRI LANKA				
116.	SUDAN				
117.	SWEDEN <i>2004.05.10</i>	<ul style="list-style-type: none"> · Transport of Dangerous Goods Act (SFS 1982:821) · Transport of Dangerous Goods Ordinance (1982:923) 	<ul style="list-style-type: none"> · Swedish Radiation Protection Authority – for other than non-accepted fissile packages: approvals of packages, shipments and special arrangements, and shipment notifications · Swedish Nuclear Power Inspectorate - for non-accepted fissile packages: approvals of packages, shipments and special arrangements, and shipment notifications 	Document for domestic and international transport is based on requirements of ICAO, IMO, RID (rail) and ADR (road).	Implemented through modal regulations in 2001.

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118.	SWITZERLAND 2003.02.24	<ul style="list-style-type: none"> · Road transport: Ordonnance du 29 novembre 2002 relative au transport des matières dangereuses par route (SDR) · Air transport: Règlement de transport aérien du 3 octobre 1952 (RTA) · Rail transport: Ordonnance du 3 décembre 1996 relative au transport des marchandises dangereuses par chemin de fer (RSD) · Transport on the Rhine: Ordonnance du DETEC du 26 Septembre 2002 mettant en vigueur le règlement pour le transport des matières dangereuses sur le Rhin (ADNR) · Sea transport: Ordonnance du 10 janvier 1973 sur le transport de marchandises dangereuses par mer · Authorisations for the transport of nuclear materials: Ordonnance du 18 janvier 1984 sur les définitions et les autorisations dans le domaine atomique (O atomique, OA) · Carriers' licences: Ordonnance du 22 juin 1994 sur la radioprotection (ORaP) 	<ul style="list-style-type: none"> · Swiss Federal Nuclear Safety Inspectorate - approvals of special form, calculation of unlisted A values; approvals and notifications for all Type B packages, fissile packages, shipments and special arrangements · Federal Office of Energy - import, export, transport and transit licences for nuclear materials and nuclear wastes · Federal Office of Public Health - licences for the import/export of non-nuclear radioactive material and carriers' licenses for radioactive material · Swiss Post (Paketpost) - advice concerning the sending of radioactive material by post 	<ul style="list-style-type: none"> · Document for domestic transport is based on requirements of ICAO, IATA, RID (rail), ADR (road), and ADNR (Rhine) · Document for international transport is based on requirements of ICAO, IATA, IMO, UPU, RID (rail), ADR (road), ADR (inland waterways) and ADNR (Rhine) 	<ul style="list-style-type: none"> · TS-R-1 is implemented for all modes
119.	SYRIAN ARAB REPUBLIC 2004.02.10	Law No. 12, 1976 establishing the Atomic Energy Commission of Syria (AECS)	Atomic Energy Commission on Syria (AECS)	Detailed Regulations for the Safe Transport of Radioactive Material, AECS decision No. 813/2000 dated 2000.08.10	TS-R-1 1996 Edition is in force
120.	TAJIKISTAN, REPUBLIC OF				
121.	THAILAND 2003.06.30	Department of Industrial Work, Ministry of Industry issues regulation on transportation of dangerous goods	Office of Atoms for Peace, Ministry of Science and Technology approves radiation protection measures during transportation	<ul style="list-style-type: none"> - Announcement of Hazardous Substance Committee Resolution on Inland Transport, 1992 by Department of Industrial Works - Document for condition of all modes of transport business 	At the end of 2004
122.	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA				
123.	TUNISIA				

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124.	TURKEY 2004.06.25	<i>The Turkish Atomic Energy Authority Act, Act 2690, published 13 July 1982</i>	Radiation Health and Safety Department of the Turkish Atomic Energy Authority	The Regulation for the Safe Transport of Radioactive Material (Turkish version of the 1990 edition of the 1985 IAEA Regulations for the Safe Transport of Radioactive Material, SS-6), published 10 September 1997	Process to revise national transport regulation in accordance with TS-R-1 is currently underway and expected to be in effect by January 2005
125.	UGANDA				
126.	UKRAINE 2004.06.30	Decree of the President of Ukraine "On <i>Statute of the State Nuclear Regulatory Committee of Ukraine</i> " of March 6, 2001, No. 155/2001	State Nuclear Regulatory Committee of Ukraine	<ul style="list-style-type: none"> · The regulations for domestic transport are based on ST-1 · Document for international transport for air, sea, road, rail, post and inland waterway is based on TS-R-1 	<ul style="list-style-type: none"> • The regulations for domestic transport will be changed after IAEA publication of the Transport Regulations of the 2003 Edition • The last edition of IAEA Regulations is used for international transport as it is determined Resolution Cabinet of Ministers of Ukraine No. 1332 of November 29, 1997
127.	UNITED ARAB EMIRATES				

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128.	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND <i>2002.07.05</i>	None.	<ul style="list-style-type: none"> · Department for Transport (DfT) - for transport by all modes except post · Royal Mail* International Headquarters - for international post · Royal Mail* Letters Marketing Department - for inland post <p>*Note, however, that radioactive material is not accepted by the Royal Mail</p>	<ul style="list-style-type: none"> · Documents for domestic and international transport are based on the current editions of ICAO, IMO, RID (rail) and ADR (road); these in turn are based on TS-R-1 	<ul style="list-style-type: none"> · mandatory from 2002.01.01, for sea transport (UK flagged ships world-wide and foreign ships in UK waters) · mandatory from 2002.06.07 for road transport in Great Britain and from 2002.01.01 for international road transport to/from UK (ADR). · mandatory from 2001.07.01 for international air transport · mandatory from 2002.01.01 for international rail transport to/from UK (RID). · Domestic Road and rail legislation for Northern Ireland is expected to follow at a later date

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129.	UNITED REPUBLIC OF TANZANIA <i>2003.07.04</i>	Radiation Protection Act No. 5 of 1983 which is being revised (Atomic Energy Act, 2003)	National Radiation Commission (changed to Tanzania Atomic Energy Commission)	Documents for domestic and international transport are based on requirements of ICAO, IMO, RID, ADR, UPU, IATA (Reference on Radioactive Waste Management Regulations 1999 Section 20)	Requirements of TS-R-1 is adopted in the Radioactive Waste Management Regulations 1999 Section 20 based on the Radiation Protection Act, No. 5 of 1983. However, full implementation will be more effective in the currently revised Atomic Energy Act, 2003.
130.	UNITED STATES OF AMERICA <i>2002.07.18</i>	49 U.S.C. Section 5101 et seq.	Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, US Department of Transportation	Domestic and international transport is regulated by Title 49 of the Code of Federal Regulations which is based on the 1985 (As Amended 1990) edition of the IAEA Transport Regulations. As of June 21, 2001, Title 49 references and authorizes the use (subject to listed variations) of IAEA's TS-R-1 for all international transport, ICAO 2001- 2002 edition (based on TS-R-1) for domestic and international air transport and IMDG Code 2000 edition (based on TS-R-1) for domestic and international sea transport on July 1, 2001.	Public rulemaking process to revise Title 49 in accordance with TS-R-1 is currently underway. Expect process to be completed and rule to be in effect by January 2003.
131.	URUGUAY <i>2003.06.09</i>	Law No.15.809 of 6 April 1986; Governmental Decree No.519/84 and modification No. 47/89	<ul style="list-style-type: none"> - National Direction of Nuclear Technology (Nuclear Regulatory Authority), Ministry of Industry, Energy and Mines - Other authorities involved in radioactive material transport: Ministerio de Transporte y Obras Públicas; Prefectura Nacional Naval dependiente del Ministerio de Defensa; Dirección Nacional de Aduanas; Infraestructura Aeronáutica; Ministerio de Vivienda, Ordenamiento Territorial y Medio Ambiente. 	Nuclear Regulatory Authority NORM UY 107 "Transport of Radioactive Materials", of 28 June 2002 are based on TS-R-1, 1996 (Revised Edition); Governmental Decree No. 158/85 for maritime transport, No. 770/88 for Transport of Dangerous Goods, No. 381/83 for air transport and No. 347/995, all are based on requirements of ICAO, IATA, IMO, IMDG and also MERCOSUR requirements.	Implementing since 28 June 2002; TS- R-1 requirements will be complied with through guides and domestic regulations. NORM UY 107 "Transport of Radioactive Materials"
132.	UZBEKISTAN				

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133.	VENEZUELA <i>2003.05.21</i>	<ul style="list-style-type: none"> · Decree 2210, published in Extraordinary Official Gazette 4418 of the Republic of Venezuela, dated 27 April 1992 · Law about Substances, Materials and Dangerous Waste, Title IV, dated 13 November 2001 	Dirección de asuntos nucleares, Dirección General de Energía Ministerio de Energía y Minas	<ul style="list-style-type: none"> - Decree 2210 "Norm Techniques for the Handling of Radioactive Material", the requirement dealing with the transport of radioactive material was based on Safety Series No. 6 - Venezuelan Norm COVENIN 2026:1999 "Safe Transport of Radioactive Material". Complete adoption of ST-1 Regulations for the Safe Transport of Radioactive Materials, 1996 	At the end of 2003
134.	VIETNAM				
135.	YEMEN				
136.	ZAMBIA				
137.	ZIMBABWE				