

## FNCA Member States: Domestic Authorized Agency for 3S

FNCA member states recognize the importance of strengthening of and development of 3S (nuclear safety, safeguards and security) capacity in each state as well as internationally.

As of **February 25, 2012\***, each FNCA member state has authorized each function of 3S to the below agencies.

\*Due to a big structural change in Japan's nuclear authorities, the data for the state is based on the status not in February but in October 2012.

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## Summary of Domestic Authorized Agency for 3S

	SAFETY	SAFEGUARDS	SECURITY
<b>Australia</b>	Australian Radiation Protection and Nuclear Safety Agency (ARPANSA)	Australian Safeguards and Non-Proliferation Office (ASNO)	ASNO
<b>Bangladesh</b>	1. Bangladesh Atomic Energy Commission (BAEC) 2. Nuclear Safety & Radiation Control Division (NSRCD)	1. BAEC 2. NSRCD	1. BAEC 2. NSRCD
<b>Indonesia</b>	1. BAPETEN (Nuclear Energy Regulatory Agency) 2. BATAN (National Atomic Energy Agency)	1. BAPETEN 2. BATAN	1. BAPETEN 2. BATAN
<b>Japan</b>	Nuclear Regulation Authority (NRA)	Office for Nuclear Non-proliferation and Safeguards (JSGO), Ministry of Education, Culture, Sports, Science and Technology (MEXT)  * This function will be transferred to the Nuclear Regulation Authority in April 2013.	NRA
<b>Kazakhstan</b>	Ministry of Industry and New Technologies of the Republic of Kazakhstan (MINT RK) Atomic Energy Committee MINT RK (KAEC) Division for Review and Inspection	MINT RK KAEC Division for Control Material & Nuclear Security	MINT RK KAEC Division for Control Material & Nuclear Security
<b>Republic of Korea</b>		1. Nuclear Safety and Security Commission (NSSC) 2. Korea Institute of Nuclear Nonproliferation and Control (KINAC)	1. NSSC 2. KINAC
<b>Malaysia</b>	Atomic Energy Licensing Board(AELB), Ministry of Science, Technology & Innovation(MOSTI)	AELB MOSTI	AELB MOSTI
<b>Mongolia</b>	Nuclear Energy Agency(NEA), Nuclear and Radiation Regulatory Authority(NRRA)	NEA	NEA, NRRA
<b>Philippines</b>	1. Philippine Nuclear Research Institute(PNRI), Department of Science and Technology 2. Center for Device Regulation, Radiation Health and Research-Food and Drug Administration, Department of Health	1. PNRI, Department of Science and Technology 2. Department of Foreign Affairs	1. PNRI, Department of Science and Technology 2. Philippine National Police, Department of Interior and Local Government
<b>Thailand</b>	Office of Atoms for Peace(OAP)	OAP	OAP
<b>Vietnam</b>	Vietnam Agency for Radiation and Nuclear Safety (VARANS). The Agency is under the Ministry of Science and Technology(MOST)	VARANS	1. VARANS, MOST 2. Ministry of Public Security

## Australia

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Australian Radiation Protection and Nuclear Safety Agency (ARPANSA)
<b>Legal Basis</b>	Australian Radiation Protection and Nuclear Safety Act 1998
<b>Basic Function(s)</b>	<p>Protect persons and the environment from the harmful effects of radiation by:</p> <ul style="list-style-type: none"> <li>• regulating the safe use of nuclear facilities, radioactive material and apparatus and secure use of radioactive material;</li> <li>• promote uniform national policy and practices and provide advice to Government and the community on matters relating to radiation protection, nuclear safety, including security of radioactive materials</li> </ul>
<b>Contact Point</b>	<p>Name: David Tredinnick            Title: International and Government Relations            E-mail: david.tredinnick@arpansa.gov.au            Office: Level 2, 38-40 Urunga Pde Miranda, NSW Australia 2228</p>
<b>Others</b>	
	<ul style="list-style-type: none"> <li>• State and Territory radiation regulatory bodies</li> </ul>

	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Australian Safeguards and Non-Proliferation Office (ASNO)
<b>Legal Basis</b>	Nuclear Non-Proliferation (Safeguards) Act 1987
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>• Ensuring the effective operation of the Australian Safeguards System (i.e. national system of accounting for, and control of, nuclear material, items and facilities)</li> <li>• Administering Australia's obligation under safeguards agreements with IAEA and other countries</li> <li>• Administering Australia's bilateral safeguards agreements and monitoring compliance with their provisions</li> <li>• Undertaking, coordinating and facilitating research and development in relation to safeguards</li> <li>• Advising government on matters relating to the international nuclear non-proliferation regime and the international safeguards system</li> </ul>

<b>Contact Point</b>	Name: Dr Craig Everton Title: Director, IAEA Safeguards Section E-mail: Craig.Everton@dfat.gov.au Office: Australian Safeguards and Non-Proliferation Office
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	<b>SECURITY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Australian Safeguards and Non-Proliferation Office (ASNO)
<b>Legal Basis</b>	<i>Nuclear Non-Proliferation (Safeguards) Act 1987</i>
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>• Ensuring physical protection of nuclear material, technology and facilities in Australia particularly in the use, transport and storage of nuclear material,</li> <li>• Ensuring Australia meets obligations under CPPNM, bilateral agreements and IAEA guidelines.</li> <li>• Ensure that Australian uranium at mines and in transit is properly protected</li> <li>• Contribute to the development and effective international implementation of the CPPNM and associated guidelines.</li> <li>• Advising government on matters relating to international nuclear security regimes</li> </ul>
<b>Contact Point</b>	Name: Dr Stephan Bayer Title: Director, Nuclear Security Section E-mail: Stephan.bayer@dfat.gov.au Office: Australian Safeguards and Non-Proliferation Office

## Bangladesh

<b>SAFETY</b>	
<b>1st Major Agency</b>	
<b>Agency, Department</b>	Bangladesh Atomic Energy Commission (BAEC)
<b>Legal Basis</b>	The Presidential Order 15 of 1973
<b>Basic Function(s)</b>	BAEC is the competent authority to regulate all the nuclear and radiation related activities and facilities in Bangladesh. It upholds the responsibility of protecting the population against harmful effects of radioactivity and other ionizing radiations in accordance with the Nuclear Safety and Radiation Control (NSRC) Act-1993 and Rules-1997 promulgated by the Government of Bangladesh (GOB). Testing and control measures are taken by BAEC through the following activities (i) Radioactivity testing and monitoring of imported and exportable food and food products (ii) Radiation protection and safety services during transportation, installation, replacement and repairing and maintenance of radioactive materials and sources (iii) Testing of radioactive contamination in metal scrap before export (iv) Notification and regulatory inspection of nuclear / radiation facilities and practices (v) Issuance of license, export-import permit, and NOC to installations and users of radioactive sources and ionizing radiations (vi) Organization of training courses for professionals working in radiological and nuclear facilities (vii) Regulatory management of radioactive wastes.
<b>Contact Point</b>	Name: Md. Ali Zulquarnain Title: Member (Planning & Development) E-mail: zmaliee@gmail.com Office: Bangladesh Atomic Energy Commission
<b>2nd Major Agency</b>	
<b>Agency, Department</b>	Nuclear Safety & Radiation Control Division (NSRCD)
<b>Legal Basis</b>	The Nuclear Safety and Radiation Control Act-1993 and Rules-1997
<b>Basic Function(s)</b>	Assessment of license application and issuance of license, notification, inspection and enforcement and organization of training courses for the concerned radiological/nuclear facilities and the regulatory management of transportation of radioactive materials & sources as well as radioactive wastes.

<b>Contact Point</b>	Name: Rahman Samina Title: Chief Scientific Officer & Director E-mail:samina_nita@yahoo.com Office: Nuclear Safety & Radiation Control Division (NSRCD), Bangladesh Atomic Energy Commission
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<b>SAFEGUARDS</b>	
<b>1st Major Agency</b>	
<b>Agency, Department</b>	Bangladesh Atomic Energy Commission (BAEC)
<b>Legal Basis</b>	The Presidential Order 15 of 1973
<b>Basic Function(s)</b>	BAEC is the competent authority to fulfill the obligations arising from the Treaty on the Non-Proliferation of Nuclear Weapons (NPT) including establishment of State Systems of Accounting for and Control of Nuclear Materials (SSAC). Safeguards related activities are generally performed through the preparation of various documents in connection with IAEA Safeguards and Protocol Additional to the Safeguards Agreement. BAEC also keeps close contact with IAEA in all nuclear safeguards and security matters.
<b>Contact Point</b>	Name: Dr. Md. Shafiqul Islam Title: Principal Scientific Officer E-mail:shafiq12@dhaka.net Office: Nuclear Safeguards and Security Division, Bangladesh Atomic Energy Commission
<b>2nd Major Agency</b>	
<b>Agency, Department</b>	Nuclear Safety & Radiation Control Division (NSRCD)
<b>Legal Basis</b>	The Nuclear Safety and Radiation Control Act-1993 and Rules-1997
<b>Basic Function(s)</b>	Assessment of license application and issuance of license, notification, inspection and enforcement and organization of training courses for the concerned radiological/nuclear facilities and the regulatory management of transportation of radioactive materials & sources as well as radioactive wastes.
<b>Contact Point</b>	Name: Rashed Ahmed Amiree Title: Principal Scientific Officer E-mail:rdamiree@yahoo.com Office: Nuclear Safety & Radiation Control Division (NSRCD), Bangladesh Atomic Energy Commission

<b>SECURITY</b>	
<b>1st Major Agency</b>	
<b>Agency, Department</b>	Bangladesh Atomic Energy Commission (BAEC)
<b>Legal Basis</b>	The Presidential Order 15 of 1973
<b>Basic Function(s)</b>	BAEC is the competent authority to ensure the security of nuclear and radioactive materials and their associated facilities in the country, taking into account relevant recommendations and functions of the International Atomic Energy Agency. Large and commercially important nuclear facilities under BAEC are being treated as Key Point Installation (KPI) by the Government. As a routine work, BAEC security personnel along with law enforcing agencies are engaged to ensure security matters of the relevant facilities. BAEC is also actively working with its different strategic partners such as U.S. Department of Energy, IAEA, JAEA, etc. to enhance the nuclear safeguards and security activities.
<b>Contact Point</b>	Name: Dr. Md. Shawkat Akbar Title: Chief Scientific Officer & Director E-mail:shawkat_nped@yahoo.com Office: Nuclear Power and Energy Division, Bangladesh Atomic Energy Commission
<b>2nd Major Agency</b>	
<b>Agency, Department</b>	Nuclear Safety & Radiation Control Division (NSRCD)
<b>Legal Basis</b>	The Nuclear Safety and Radiation Control Act-1993 and Rules-1997
<b>Basic Function(s)</b>	Assessment of license application and issuance of license, notification, inspection and enforcement and organization of training courses for the concerned radiological/nuclear facilities and the regulatory management of transportation of radioactive materials & sources as well as radioactive wastes.
<b>Contact Point</b>	Name: Dr. Satyajit Ghose Title: Principal Scientific Officer E-mail:ghosesatyajit@yahoo.com Office: Nuclear Safety & Radiation Control Division (NSRCD), Bangladesh Atomic Energy Commission

## China: TBD

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	
<b>Contact Point</b>	
<b>Others</b>	
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	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	•
<b>Contact Point</b>	Name: Title: E-mail: Office:

	<b>SECURITY</b>
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	1st Major Agency
<b>Agency, Department</b>	
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	•
<b>Contact Point</b>	Name: Title: E-mail: Office:

## Indonesia

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	BAPETEN (Nuclear Energy Regulatory Agency)
<b>Legal Basis</b>	Act No. 10 Year 2007 on Nuclear Energy
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>● Make regulation on safety</li> <li>● Give licensee based on SAR evaluation</li> <li>● Do safety inspection to nuclear facility and radioactive installation</li> </ul>
<b>Contact Point</b>	Name: DR. As Natio Lasman Title: BAPETEN Chairman E-mail: asnatio@bapeten.go.id Office: BAPETEN, Jl. Gajah Mada No. 8 Jakarta Pusat 10120
	<b>2nd Major Agency</b>
<b>Agency, Department</b>	BATAN (National Atomic Energy Agency)
<b>Legal Basis</b>	Act No. 10 Year 2007 on Nuclear Energy
<b>Basic Function(s)</b>	Promote utilization of energy nuclear safely
<b>Contact Point</b>	Name: DR. Hudi Hastowo Title: BATAN Chairman E-mail: Office: BATAN, Jl. Kuningan Barat, Mampang Prapatan Jakarta, 12710

	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	BAPETEN (Nuclear Energy Regulatory Agency)
<b>Legal Basis</b>	Act No. 10 Year 2007 on Nuclear Energy
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>● Make regulation on Safeguards</li> <li>● Give licensee (Safeguards is one of requirements)</li> <li>● Do Safeguards inspection</li> <li>● National Authority</li> </ul>

<b>Contact Point</b>	Name: DR. As Natio Lasman Title: BAPETEN Chairman E-mail: asnatio@bapeten.go.id Office: BAPETEN, Jl. Gajah Mada No. 8 Jakarta Pusat 10120
	<b>2nd Major Agency</b>
<b>Agency, Department</b>	BATAN (National Atomic Energy Agency)
<b>Legal Basis</b>	Act No. 10 Year 2007 on Nuclear Energy
<b>Basic Function(s)</b>	Implement safeguards on facility level
<b>Contact Point</b>	Name: DR. Hudi Hastowo Title: BATAN Chairman E-mail: Office: BATAN, Jl. Kuningan Barat, Mampang Prapatan Jakarta, 12710

	<b>SECURITY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	BAPETEN (Nuclear Energy Regulatory Agency)
<b>Legal Basis</b>	Act No. 10 Year 2007 on Nuclear Energy
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>● Make regulation on security</li> <li>● Give licensee (Security is one of requirements)</li> <li>● Do physical protection inspection to nuclear facility and radioactive installation</li> </ul>
<b>Contact Point</b>	Name: DR. As Natio Lasman Title: BAPETEN Chairman E-mail: asnatio@bapeten.go.id Office: BAPETEN, Jl. Gajah Mada No. 8 Jakarta Pusat 10120
	<b>2nd Major Agency</b>
<b>Agency, Department</b>	BATAN (National Atomic Energy Agency)
<b>Legal Basis</b>	Act No. 10 Year 2007 on Nuclear Energy
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>• Implement physical protection of nuclear material and nuclear facility</li> <li>• Implement security of radioactive sources</li> </ul>

<b>Contact Point</b>	Name: DR. Hudi Hastowo Title: BATAN Chairman E-mail: Office: BATAN, Jl. Kuningan Barat, Mampang Prapatan Jakarta, 12710
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## Japan\*

\*Below information reflects the structural change in Japan's nuclear authorities implemented from September 2012.

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Nuclear Regulation Authority (NRA)
<b>Legal Basis</b>	Nuclear Regulatory Commission Establishment Act, June 2012
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>● Ensure safety operation of commercial and research nuclear facilities thorough enhancing safety regulations, formulating safety-related criteria and principles, radiation monitoring and inspections. The agency also coordinates and cooperates its activities with international organizations and foreign countries.</li> <li>● The Nuclear Regulatory Authority aims to: reinforce the countermeasures for major accidents; implement nuclear safety regulations based on latest knowledge; and introduce a 40-year-limiting operation system for power generating nuclear reactors.</li> <li>● In order to certify the effective function of the agency, four upper committee/council/bureaus review and evaluate related activities, which include:               <ul style="list-style-type: none"> <li>- Reactor Safety Examination Committee to examine and review the items concerning nuclear reactor safety;</li> <li>- Nuclear Fuel Safety Examination Committee to examine and review the items concerning the safety of nuclear fuel material</li> <li>- Radiation Council to organize the technical criteria concerning prevention from radiation hazards; and</li> <li>- Administrative Evaluation Bureau to evaluate incorporated administrative agencies under the jurisdiction.</li> </ul> </li> </ul>
<b>Contact Point</b>	Office: Nuclear Regulation Authority URL: <a href="http://www.nsr.go.jp/english/">http://www.nsr.go.jp/english/</a>

	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Office for Nuclear Non-proliferation and Safeguards (JSGO), Ministry of Education, Culture, Sports, Science and Technology (MEXT)
<b>Legal Basis</b>	Law for the Regulations of Nuclear Source Material, Nuclear Fuel Material and Reactors (Law No.166, 10 Jun. 1958)

<b>Basic Function(s)</b>	<p>The basic measures of safeguards consist of three parts:</p> <ul style="list-style-type: none"> <li>● Accountancy and Control (by operators) : Recording and reporting physical inventories of nuclear material, etc</li> <li>● Containment and Surveillance (by the Authority) : Verifying information on movement of nuclear material, etc.</li> <li>● Inspection (by the Authority) : Verifying all nuclear materials as operator recorded, etc.</li> </ul>
<b>Contact Point</b>	<p>Office: Office for Nuclear Non-proliferation and Safeguards (JSGO)</p> <p>URL: <a href="http://www.mext.go.jp/english/">http://www.mext.go.jp/english/</a></p>
<b>Others</b>	
<ul style="list-style-type: none"> <li>● The Nuclear Material Control Center (NMCC), an independent, non-profit foundation supports the MEXT's safeguards implementation. NMCC's safeguards-related activities include: safeguards information treatment including information required by international commitments such as the NPT, Safeguards Agreement and the Additional Protocol; safeguards inspection activities and safeguards sample analyses; research and development related to safeguards and other activities related to safeguards.</li> <li>● The safeguards function will be transferred from MEXT to the Nuclear Regulation Authority in April 2013.</li> </ul>	

	<b>SECURITY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Nuclear Regulation Authority
<b>Legal Basis</b>	Nuclear Regulatory Commission Establishment Act, June 2012
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>● The Nuclear Emergency Preparedness Division of the Nuclear Regulation Authority is responsible for establishing the structure of emergency preparedness which considers not only safety accidents but also security incidents, and regulating physical protection of nuclear material and facilities.</li> <li>● In order to enhance the security of nuclear and other radioactive material, the agency conducts inspections of physical protection systems and security oriented emergency exercises.</li> </ul>
<b>Contact Point</b>	<p>Office: Nuclear Regulation Authority</p> <p>URL: <a href="http://www.nsr.go.jp/english/">http://www.nsr.go.jp/english/</a></p>

## Kazakhstan

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	<p>Ministry of Industry and New Technologies of the Republic of Kazakhstan (MINT RK)</p> <p>Atomic Energy Committee MINT RK (KAEC)</p> <p>Division for Review and Inspection</p>
<b>Legal Basis</b>	<p>Laws on:</p> <p>Convention on Nuclear Safety, 2010;</p> <p>Joint convention on the safety of spent fuel management and on the safety of radioactive waste management, 2010;</p> <p>Convention on early notification of a nuclear accident, 2010;</p> <p>Convention on assistance in the case of a nuclear accident or radiological emergency, 2010;</p> <p>Vienna Convention on Civil Liability for Nuclear Damage, 2010;</p> <p>Use of Atomic Energy, No. 93 of 1997;</p> <p>Radiation Safety of Population, No. 219 of 1998;</p> <p>Licensing, No. 214 of 2007;</p> <p>Ecology Code, 2007.</p> <p>Government Decrees approving the following:</p> <p>Technical requirement “Nuclear and radiation safety”, 2010;</p> <p>Technical requirement “Nuclear and radiation safety of NPP”, 2010;</p> <p>Technical requirement “Nuclear and radiation safety of research nuclear facilities”, 2010;</p> <p>Statute of the Ministry of Industry and New Technologies of the Republic of Kazakhstan, No. 1237 of 2004;</p> <p>Licensing rules and requirements for activities in the area of atomic energy, No. 270 of 2008.</p>
<b>Basic Function(s)</b>	<p>MINT is the central executive organization responsible, inter alia, for the development and use of atomic energy, including uranium mining and processing activities, and export controls. MINT has established several committees in order to implement its statutory responsibilities, such as KAEC, the Kazakhstan Committee of Industry...</p> <p>Key Provisions of KAEC:</p> <p>Setting of criteria and norms, working out regulations on nuclear and radiation safety, control conformity of activities to those norms and regulations by the enterprises, authorities and organisations irrespective to their types and status;</p> <p>International scientific, technical, and legislative co-operation in the field of safety of</p>

	atomic energy and nuclear technologies usage.
<b>Contact Point</b>	Name: Tulegenov Murat Title: Head of the Review and Inspection Division E-mail: M.Tulehgenov@kaec.kz Office: 010000, Astana, 10 Orynbor str., Kazakhstan

	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Ministry of Industry and New Technologies of the Republic of Kazakhstan (MINT RK) Atomic Energy Committee MINT RK (KAEC) Division for Control Material & Nuclear Security
<b>Legal Basis</b>	Laws on: Ratification of the Agreement between Kazakhstan and the International Atomic Energy Agency for the Application of Safeguards in Connection with the Treaty on the Non-Proliferation of Nuclear Weapons of 1995; Ratification of the Protocol Additional to the Agreement between Kazakhstan and the International Atomic Energy Agency for the Application of Safeguards in Connection with the Treaty on the Non-Proliferation of Nuclear Weapons of 2007; Use of Atomic Energy, No. 93 of 1997; Radiation Safety of Population, No. 219 of 1998. Licensing, No. 214 of 2007. Export Control, No. 300 of 2007.  Government Decrees approving the following: Statute of the Ministry of Industry and New Technologies of the Republic of Kazakhstan, No. 1237 of 2004; Licensing rules and requirements for activities in the area of atomic energy, No. 270 of 2008; Export and import of nuclear materials, technologies, equipment, installations, special non-nuclear materials, dual-use items and radioactive sources, No. 183 of 1993; Rules for organizations of the State system for accounting and control of nuclear material and radioactive sources, No. 769 of 2005.

<b>Basic Function(s)</b>	<p>MINT is the central executive organization responsible, inter alia, for the development and use of atomic energy, including uranium mining and processing activities, and export controls. MINT has established several committees in order to implement its statutory responsibilities, such as KAEC, the Kazakhstan Committee of Industry (KIC)... KAEC, KIC perform regulatory and control functions relevant for the implementation of safeguards obligations of Kazakhstan.</p> <p>Key Provisions of KAEC:</p> <p>Setting of criteria and norms, working out regulations on nuclear and radiation safety, control conformity of activities to those norms and regulations by the enterprises, authorities and organisations irrespective to their types and status;</p> <p>Responsibility for state account and for controlling nuclear materials, radioactive resources, off-cuts, and their storage and usage.</p>
<b>Contact Point</b>	<p>Name: Donbayev Kaldybek</p> <p>Title: Head of Control Material &amp; Nuclear Security Division</p> <p>E-mail: K.Donbayev@kaec.kz</p> <p>Office: 010000, Astana, 10 Orynbor str., Kazakhstan</p>

	<b>SECURITY</b> <b>1st Major Agency</b>
<b>Agency, Department</b>	<p>Ministry of Industry and New Technologies of the Republic of Kazakhstan (MINT RK)</p> <p>Atomic Energy Committee MINT RK (KAEC)</p> <p>Division for Control Material &amp; Nuclear Security</p>
<b>Legal Basis</b>	<p>Laws on:</p> <p>Convention on the Physical Protection of Nuclear Material, 2004;</p> <p>Amendment to Convention on Physical Protection of Nuclear Material, 2010;</p> <p>Joint convention on the safety of spent fuel management and on the safety of radioactive waste management, 2010;</p> <p>Use of Atomic Energy, No. 93 of 1997;</p> <p>Radiation Safety of Population, No. 219 of 1998;</p> <p>Licensing, No. 214 of 2007;</p> <p>Export Control, No. 300 of 2007;</p> <p>State Control and Enforcement, No. 3 77-1V of 2011;</p> <p>Penal Code of Kazakhstan;</p> <p>Code on Administrative Offences, No. N-155-11 of 2001.</p> <p>Government Decrees approving the following:</p> <p>Regulations on the Physical Protection of Nuclear materials and Nuclear Facilities, 1994;</p> <p>Statute of the Ministry of Industry and New Technologies of the Republic of Kazakhstan,</p>

	<p>No. 1237 of 2004;</p> <p>Licensing rules and requirements for activities in the area of atomic energy, No. 270 of 2008;</p> <p>Establishment of a national operator for export and import of uranium, nuclear fuel for NPPs, special equipment and technology and dual-use items, No. 1659 of 1997.</p>
<b>Basic Function(s)</b>	<p>MINT is the central executive organization responsible, inter alia, for the development and use of atomic energy, including uranium mining and processing activities, and export controls. MINT has established several committees in order to implement its statutory responsibilities, such as KAEC, the Kazakhstan Committee of Industry...</p> <p>Key Provisions of KAEC:</p> <p>Setting of criteria and norms, working out regulations on nuclear and radiation safety, nuclear security, control conformity of activities to those norms and regulations by the enterprises, authorities and organisations irrespective to their types and status.</p>
<b>Contact Point</b>	<p>Name: Donbayev Kaldybek</p> <p>Title: Head of Control Material &amp; Nuclear Security Division</p> <p>E-mail: K.Donbayev@kaec.kz</p> <p>Office: 010000, Astana, 10 Orynbor str., Kazakhstan</p>

## Republic of Korea (ROK)

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	
<b>Contact Point</b>	

	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Nuclear Safety and Security Commission (NSSC)
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	Establishment of national safeguards plans Implementation of laws and regulations
<b>Contact Point</b>	Name: Mr. Saang-won GWON Title: Deputy Director E-mail: gwon@nssc.go.kr Office: 82-2-397-7375
	<b>2nd Major Agency</b>
<b>Agency, Department</b>	Korea Institute of Nuclear Nonproliferation and Control (KINAC)
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	Conduct inspection on nuclear material accounting and control Implement full-scope IAEA safeguards and the Additional Protocol
<b>Contact Point</b>	Name: Dr. Seong-Youn JO Title: Director E-mail: jerry@kinac.re.kr Office: 82-42-860-9884

<b>SECURITY</b>	
<b>1st Major Agency</b>	
<b>Agency, Department</b>	Nuclear Safety and Security Commission (NSSC)
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	Establish national nuclear security regime Issue the license on nuclear security plan prepared by the operator
<b>Contact Point</b>	Name: Duck-Jae LEE Title: Deputy Director E-mail: djlee@nssc.go.kr Office: 82-2-397-7354
<b>2nd Major Agency</b>	
<b>Agency, Department</b>	Korea Institute of Nuclear Nonproliferation and Control (KINAC)
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	Review the security plan Inspect physical protection system of nuclear facilities Develop technology related to nuclear security
<b>Contact Point</b>	Name: Hosik YOO Title: Director E-mail: hsyoo@kinac.re.kr Office: 82-42-860-9782

## Malaysia

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Atomic Energy Licensing Board, Ministry of Science, Technology & Innovation
<b>Legal Basis</b>	Atomic Energy Licensing Act 1984 (Act 304)
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>• Ensuring the safe use of radiation and nuclear technology</li> <li>• Acquiring, disseminating and generating knowledge to enhance radiation and nuclear safety</li> <li>• Facilitating the creation of wealth by providing a conducive environment for the introduction of modern technologies to industry, and</li> <li>• Build international confidence through a credible and competent national regulatory framework to facilitate the acquisition of sensitive state-of-the-art technologies</li> </ul>
<b>Contact Point</b>	Name: YM Raja Dato' Abdul Aziz Raja Adnan Title: Director General E-mail: raja.dg@aelb.gov.my Office: 03-89225888

	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Atomic Energy Licensing Board, Ministry of Science, Technology & Innovation
<b>Legal Basis</b>	Atomic Energy Licensing Act 1984 (Act 304)
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>• Acquiring, disseminating and generating knowledge to enhance radiation and nuclear safeguards where appropriate</li> <li>• Facilitating the creation of wealth by providing a conducive environment for the introduction of modern technologies to industry, and</li> <li>• Build international confidence through a credible and competent national regulatory framework to facilitate the acquisition of sensitive state-of-the-art technologies</li> </ul>

<b>Contact Point</b>	Name: YM Raja Dato' Abdul Aziz Raja Adnan Title: Director General E-mail: raja.dg@aelb.gov.my Office: 03-89225888
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	<b>SECURITY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Atomic Energy Licensing Board, Ministry of Science, Technology & Innovation
<b>Legal Basis</b>	Atomic Energy Licensing Act 1984 (Act 304)
<b>Basic Function(s)</b>	<ul style="list-style-type: none"> <li>• Ensuring the secure use of radiation and nuclear technology</li> <li>• Acquiring, disseminating and generating knowledge to enhance radiation and nuclear security</li> <li>• Facilitating the creation of wealth by providing a conducive environment for the introduction of modern technologies to industry, and</li> <li>• Build international confidence through a credible and competent national regulatory framework to facilitate the acquisition of sensitive state-of-the-art technologies</li> </ul>
<b>Contact Point</b>	Name: YM Raja Dato' Abdul Aziz Raja Adnan Title: Director General E-mail: raja.dg@aelb.gov.my Office: 03-89225888

# Mongolia

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Nuclear Energy Agency /NEA/ Nuclear and Radiation Regulatory Authority /NRRA/
<b>Legal Basis</b>	Nuclear Energy Law (2009) Radiation Safety Standard (1983) Basic Regulation on Radiation Sanitation (1983) Transport Regulation for Radioactive Sources (1987)
<b>Basic Function(s)</b>	<p>to carry out authorization /licensing/ for use, storage, transportation, import and export of radiation sources</p> <p>to carry out inspection /verify compliance/ during the use, storage and transportation of radiation practices and sources in medicine and industry, as the following:</p> <ul style="list-style-type: none"> <li>● Diagnostic radiology</li> <li>● Nuclear medicine</li> <li>● Radiotherapy</li> <li>● Industrial radiography</li> <li>● Irradiators – research and industrial</li> <li>● Radioactive gauges</li> <li>● Well logging</li> </ul> <p>to enforce regulatory requirements during the use of radiation practices and sources</p> <p>to carry out inspection and enforcement in uranium mining and milling</p> <p>to carry out occupational exposure control</p> <p>to carry out public exposure control including environmental and food radiation monitoring</p>
<b>Contact Point</b>	<p>Name: Nyamdavaa Enkhgerel</p> <p>Title: State Senior Inspector on Nuclear and Radiation Safety, NRRA of the NEA</p> <p>E-mail: office@nea.gov.mn e.nyamdavaa@nea.gov.mn nyamdavaa_enk@yahoo.com</p> <p>Office: (976) 70110841, (976) 96441244</p>

<b>Others</b>	
<p>General Agency for State Inspection has responsibility for detecting radiation source and nuclear material by using portal radiation monitors in Mongolian border.</p> <p>GASI and General Customs Agency has responsibility to inform about illegal trafficking of radiation sources and nuclear material to NRRA.</p> <p>National Emergency Management Agency responsible for emergency preparedness of disasters. Also has a duty to mitigate radiation consequences during radiation accidents.</p>	

<b>SAFEGUARDS</b>	
<b>1st Major Agency</b>	
<b>Agency, Department</b>	Nuclear Energy Agency
<b>Legal Basis</b>	Nuclear Energy Law, State Policy of Mongolia on Exploitation of Radioactive Minerals and Nuclear Energy
<b>Basic Function(s)</b>	<ol style="list-style-type: none"> <li>1. Implementing state policy on exploitation of radioactive minerals and nuclear energy,</li> <li>2. Introduction of nuclear technology and development of nuclear research,</li> <li>3. Ensuring nuclear and radiation protection and safety, and regulatory control.</li> </ol>
<b>Contact Point</b>	<p>Name: PUREVSUREN Saruul</p> <p>Title: State Inspector on Nuclear and Radiation Safety</p> <p>E-mail: s.purevsuren@nea.gov.mn</p> <p>Office: Government Building-11, Sambuu street, Chingeltei District, P.O.Box-46/856, Ulaanbaatar 210646, Mongolia</p> <p>office@nea.gov.mn</p>

<b>Others</b>	
<p>Ministry of Foreign Affairs</p> <p><u>Legal Basis:</u></p> <ol style="list-style-type: none"> <li>1. Additional Protocol to Safeguards Agreement between the Government of Mongolia and the International Atomic Energy Agency</li> <li>2. The Law on Nuclear-Weapon-Free Status</li> </ol> <p><u>Basic Function:</u></p> <p>Organize implementation of the activities entering into international treaties, agreements and conventions.</p> <p>E-mail: info@mfat.gov.mn</p> <p>Office: Peace Ave- 7a, Ulaanbaatar 14210, Mongolia</p>	

<b>SECURITY</b>	
<b>1st Major Agency</b>	
<b>Agency, Department</b>	Nuclear Energy Agency /NEA/ Nuclear and Radiation Regulatory Authority /NRRA/
<b>Legal Basis</b>	Law of Mongolia on its Nuclear-Weapon-Free Status Nuclear Energy Law (2009) Radiation Safety Standard (1983) Basic Regulation on Radiation Sanitation (1983) Transport Regulation for Radioactive Sources (1987) based on IAEA regulation 1985
<b>Basic Function(s)</b>	To prevent loss, theft or abandonment, have fallen outside official regulatory control To prevent nuclear and radiological terrorism. To establish the national database of radiation sources To detect the 'orphan' sources To detect illegal traffic of radiation sources and nuclear material
<b>Contact Point</b>	Name: Munkhtogtokh Baatar Title: State Inspector on Nuclear and Radiation Safety, NRRA of the NEA E-mail: office@nea.gov.mn b.munkhtogtokh@nea.gov.mn munkhtogtokh_ch@yahoo.com Office: (976) 70111006, (976) 88115101
<b>Others</b>	
<p>General Intelligence Agency has a responsibility for preventing loss, theft or abandonment of radiation sources and nuclear material and detect orphan sources and security control of radiation sources.</p> <p>The GIA and Police are responsible in criminal case related to radiation sources and nuclear material.</p> <p>National Emergency Management Agency has a response to radiation accidents and mitigate radiation consequences during radiation accidents.</p>	

## Philippines

<b>SAFETY</b>	
<b>1st Major Agency</b>	
<b>Agency, Department</b>	Philippine Nuclear Research Institute, Department of Science and Technology
<b>Legal Basis</b>	Republic Act (RA) No. 2067 (Science Act of 1958), amended by RA No. 3589; RA No. 5207, amended by Presidential Decree No. 1484
<b>Basic Function(s)</b>	Promotion nuclear technology; Licensing/regulation of radioactive materials; Licensing/regulation of atomic energy facilities
<b>Contact Point</b>	Name: Alumanda M. dela Rosa, Ph.D. Title: Director E-mail: amdelarosa@pnri.dost.gov.ph Office: Office of the Director, Philippine Nuclear Research Institute
<b>2nd Major Agency</b>	
<b>Agency, Department</b>	Center for Device Regulation, Radiation Health and Research-Food and Drug Administration, Department of Health
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	Regulation of Radiation Devices ( <i>e.g., x-ray machine</i> )
<b>Contact Point</b>	Name: Agnette P. Peralta Title: Director E-mail: Office: Center for Device Regulation, Radiation Health and Research-Food and Drug Administration
<b>Others</b>	
Department of Health Contact: Enrique T. Ona, M.D., Secretary	

	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Philippine Nuclear Research Institute, Department of Science and Technology
<b>Legal Basis</b>	Republic Act (RA) No. 2067 (Science Act of 1958), amended by RA No. 3589; RA No. 5207, amended by Presidential Decree No. 1484; NPT; Philippine Safeguards Agreement with the IAEA; Philippine Additional Protocol
<b>Basic Function(s)</b>	Promotion nuclear technology; Licensing/regulation of radioactive materials; Licensing/regulation of atomic energy facilities
<b>Contact Point</b>	Name: Alumanda M. dela Rosa, Ph.D. Title: Director E-mail: amdelarosa@pnri.dost.gov.ph Office: Office of the Director, Philippine Nuclear Research Institute
	<b>2nd Major Agency</b>
<b>Agency, Department</b>	Department of Foreign Affairs
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	Foreign Affairs
<b>Contact Point</b>	Name: Albert F. del Rosario Title: Secretary E-mail: Office: Office of the Secretary, Department of Foreign Affairs

	<b>SECURITY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Philippine Nuclear Research Institute, Department of Science and Technology
<b>Legal Basis</b>	Republic Act (RA) No. 2067 (Science Act of 1958), amended by RA No. 3589; RA No. 5207, amended by Presidential Decree No. 1484

<b>Basic Function(s)</b>	Promotion nuclear technology; Licensing/regulation of radioactive materials; Licensing/regulation of atomic energy facilities
<b>Contact Point</b>	Name: Alumanda M. dela Rosa, Ph.D. Title: Director E-mail: amdelarosa@pnri.dost.gov.ph Office: Office of the Director, Philippine Nuclear Research Institute
<b>2nd Major Agency</b>	
<b>Agency, Department</b>	Philippine National Police, Department of Interior and Local Government
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	Law enforcement; security; intelligence
<b>Contact Point</b>	Name: Nicanor A. Bartolome, Ph.D./CSEE Title: Police Director General/Chief E-mail: Office: Office of the Police Director/Chief, Philippine National Police
<b>Others</b>	
Department of National Defense Contact: Voltaire T. Gazmin, Secretary	

## Thailand

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Office of Atoms for Peace
<b>Legal Basis</b>	<ul style="list-style-type: none"> <li>● Atomic Energy for Peace Act of 1961.</li> <li>● Ministerial regulation on Licensing Requirements and Procedures 2007</li> </ul>
<b>Basic Function(s)</b>	Regulate through Atoms for Peace Commission by license system for safety of peaceful uses of nuclear energy
<b>Contact Point</b>	Name: Secretary-General E-mail: icop@oaep.go.th Office: Office of Atoms for Peace, Chatuchak, Bangkok, Thailand
<b>Others</b>	
For Regulatory Function	

	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Office of Atoms for Peace
<b>Legal Basis</b>	<ul style="list-style-type: none"> <li>● Atomic Energy for Peace Act of 1961.</li> <li>● Ministerial regulation on Licensing Requirements and Procedures 2007</li> </ul>
<b>Basic Function(s)</b>	Regulate through Atoms for Peace Commission by license system for safeguards of peaceful uses of nuclear energy
<b>Contact Point</b>	Name: Secretary-General E-mail: icop@oaep.go.th Office: Office of Atoms for Peace, Chatuchak, Bangkok, Thailand
<b>Others</b>	
For Regulatory Function	

<b>SECURITY</b>	
<b>1st Major Agency</b>	
<b>Agency, Department</b>	Office of Atoms for Peace
<b>Legal Basis</b>	<ul style="list-style-type: none"> <li>● Atomic Energy for Peace Act of 1961.</li> <li>● Ministerial regulation on Licensing Requirements and Procedures 2007</li> </ul>
<b>Basic Function(s)</b>	Regulate through Atoms for Peace Commission by license system for security of peaceful uses of nuclear energy
<b>Contact Point</b>	Name: Secretary-General E-mail: icop@oaep.go.th Office: Office of Atoms for Peace, Chatuchak, Bangkok ,Thailand
<b>Others</b>	
For Regulatory Function	

## Vietnam

	<b>SAFETY</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	Vietnam Agency for Radiation and Nuclear Safety (VARANS). The Agency is under the Ministry of Science and Technology
<b>Legal Basis</b>	Atomic Energy Law, Article 8
<b>Basic Function(s)</b>	
<b>Contact Point</b>	Name: Luu Nam Hai Title: Division Director E-mail: lnhai@most.gov.vn Office: 14 <sup>th</sup> Floor, 113 Tran Duy Hung, Ha Noi, Viet Nam
<b>Others</b>	
According the Law, VARANS is responsible for licensing, inspection, enforcement on radiation facilities. VARANS has also responsibility for assessing Safety Analysis Report for all stages of NPP, but not for licensing.	

	<b>SAFEGUARDS</b>
	<b>1st Major Agency</b>
<b>Agency, Department</b>	VARANS
<b>Legal Basis</b>	Atomic Energy Law, Article 8
<b>Basic Function(s)</b>	To be responsible for implementation of nuclear safeguards activities in Vietnam
<b>Contact Point</b>	Name: Nguyen Nu Hoai Vi Title: Division Director E-mail: nhvi@most.gov.vn Office: 14 <sup>th</sup> Floor, 113 Tran Duy Hung, Ha Noi, Viet Nam

<b>SECURITY</b>	
<b>1st Major Agency</b>	
<b>Agency, Department</b>	VARANS, Ministry of Science and Technology
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	
<b>Contact Point</b>	Name: Nguyen Nu Hoai Vi Title: Division Director E-mail: nhvi@most.gov.vn Office: 14 <sup>th</sup> Floor, 113 Tran Duy Hung, Ha Noi, Viet Nam
<b>2nd Major Agency</b>	
<b>Agency, Department</b>	Ministry of Public Security
<b>Legal Basis</b>	
<b>Basic Function(s)</b>	
<b>Contact Point</b>	Name: Title: E-mail: Office:
<b>Others</b>	
No single organization has been designated to be responsible for nuclear security. However, VARANS has been in cooperation with the IAEA with regard to nuclear security.	