



**THE STATUTES OF THE REPUBLIC OF SINGAPORE**

**RADIATION PROTECTION ACT**

**(CHAPTER 262)**

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# Radiation Protection Act

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An Act to control and regulate the import, export, manufacture, sale, disposal, transport, storage, possession and use of radioactive materials and irradiating apparatus, to make provision in relation to the non-proliferation of nuclear weapons, to establish a system for the imposition and maintenance of nuclear safeguards, and to

implement the Convention on the Physical Protection of Nuclear Material, and to provide for matters connected therewith.

*[Act 20 of 2014 wef 21/10/2014]*

[1st July 2007]

## PART I

### PRELIMINARY

#### **Short title**

1. This Act may be cited as the Radiation Protection Act.

#### **Interpretation**

- 2.—(1) In this Act, unless the context otherwise requires —

“Agency” means the National Environment Agency established under the National Environment Agency Act (Cap. 195);

“authorised officer” means any person appointed as an authorised officer under section 3(2), and includes the Director-General;

“Convention country” means a foreign country that is a Party to the Nuclear Material Convention;

*[Act 20 of 2014 wef 21/10/2014]*

“conveyance” includes any vessel, train, vehicle, aircraft or other mode of transport;

“country” includes a State or territory, as the case may be;

*[Act 20 of 2014 wef 21/10/2014]*

“Director-General” means the Director-General of Environmental Protection appointed under section 3(1) of the Environmental Protection and Management Act (Cap. 94A);

“disposal”, in relation to waste, includes —

- (a) its removal, deposit or destruction;
- (b) its discharge, whether onto land, into water or air, into a sewer or drain, or otherwise; and

(c) its burial, whether underground or otherwise,  
and “dispose of” shall be construed accordingly;

“IAEA” means the International Atomic Energy Agency established by the IAEA Statute;

“IAEA inspector” means an individual designated as an inspector by the IAEA Board of Governors according to the procedures set out in the Safeguards Agreement to carry out an inspection or a visit in accordance with that Agreement;

“IAEA Statute” means the Statute of the International Atomic Energy Agency, being the Statute which was ratified by Singapore on 5th January 1967, and includes any amendment to, or substitution of, the Statute that is binding on Singapore;

“ionising radiations” means electromagnetic radiations and corpuscular radiations which give rise to the formation of ion pairs on interaction with matter;

“irradiating apparatus” means —

- (a) any apparatus that is capable of producing ionising radiation;
- (b) any apparatus of a prescribed type that is capable of producing non-ionising radiation; and
- (c) any component of or accessory to an apparatus described in paragraph (a) or (b);

“licence” means a licence granted under section 7;

“national inspector” means any person who is a national inspector by virtue of, or appointed under, section 19;

“non-ionising radiations” means electromagnetic radiations and fields with wavelengths greater than 100 nanometers and all acoustic radiations and fields with frequencies below 16 Hz and above 16 kHz;

“nuclear material” has the same meaning as in the First Schedule;

*[Act 20 of 2014 wef 21/10/2014]*

“Nuclear Material Convention” means the Convention on the Physical Protection of Nuclear Material adopted in Vienna on 26th October 1979;

*[Act 20 of 2014 wef 21/10/2014]*

“nuclear offence” means —

- (a) an offence under section 26B or 26D;
- (b) an offence specified in the Second Schedule committed in relation to any nuclear material;
- (c) an abetment of or a conspiracy to commit an offence referred to in paragraph (a) or (b);
- (d) an attempt to commit an offence under section 26B, or an offence referred to in paragraph (b) except any offence under section 384, 385, 386, 387, 388 or 389 of the Penal Code (Cap. 224) committed in relation to nuclear material; or
- (e) an act by a person which would make him liable for an offence referred to in paragraph (a), (b) or (d) by virtue of section 34, 35 or 37 of the Penal Code;

*[Act 20 of 2014 wef 21/10/2014]*

“owner”, in relation to any premises, includes —

- (a) the person for the time being receiving the rent for the premises, whether on his own account or as an agent or a trustee for any other person, or the person who would so receive the rent if the premises were let to a tenant; and
- (b) the person whose name is entered in the Valuation List prepared under section 10 of the Property Tax Act (Cap. 254);

“premises” includes —

- (a) messuages, houses, buildings and lands, whether open or enclosed, and whether public or private;
- (b) any place underground and any land covered by water; and

(c) any structure or conveyance;

“radiation” means ionising radiation or non-ionising radiation;

“radioactive material” means any article containing a radioactive substance giving it a specific or total radioactivity exceeding the prescribed level, and includes any article containing any nuclear material;

“radioactive substance” means a radionuclide or mixture of radionuclides, either alone or in chemical combination with other elements;

“radioactive waste” means any waste which consists wholly or partly of —

(a) the substance or article which, if it were not waste, would be radioactive material; or

(b) a substance or an article which has been contaminated in the course of the production, keeping or use of radioactive material or by contact with, or proximity to other waste falling within paragraph (a);

“radionuclide” means an isotope of any element which spontaneously emits any ionising radiation;

“registered medical practitioner” means any person who is registered or deemed to be registered as a medical practitioner under the Medical Registration Act (Cap. 174);

“Safeguards Agreement” means the Agreement between Singapore and the International Atomic Energy Agency for the Application of Safeguards in connection with the Treaty on the Non-Proliferation of Nuclear Weapons signed on 18th October 1977, and includes —

(a) that Agreement as amended from time to time;

(b) the protocol thereto signed on 18th October 1977, as amended from time to time; and

(c) the protocol additional to that Agreement for the application of safeguards, signed at Vienna on 22nd September 2005;



“sell” includes —

- (a) supplying or otherwise dealing in or disposing of, whether by way of sale, loan or gift;
- (b) offering or attempting to sell, receiving for sale, exposing for sale, having in possession for sale, sending or delivering for sale, or causing to be sold, offered or exposed for sale; and
- (c) barter,

and “sale” and “purchase” shall have corresponding meanings.

(2) Any word or expression used and not defined in this Act but defined in the Safeguards Agreement shall, unless the context otherwise requires, have the same meaning as in the Safeguards Agreement.

### **Application of Act to Government**

**2A.**—(1) Except as provided in subsection (2), Parts III to VIII and X and regulations made for the purposes of these Parts shall bind and apply to the Government.

(2) Nothing in this Act shall render the Government liable to prosecution for an offence.

*[Act 20 of 2014 wef 21/10/2014]*

## **PART II**

### **ADMINISTRATION**

#### **Administration of Act and appointment of authorised officers**

**3.**—(1) The Director-General shall be charged with the general administration of this Act and the exercise of the powers conferred and duties imposed upon him by this Act.

(2) The Director-General may in writing appoint any public officer, or any officer of the Agency or any other statutory authority, to be an authorised officer for the purposes of this Act.

(3) Subject to any general or special directions of the Minister or the Director-General, the powers conferred and duties imposed on the Director-General by this Act may be exercised or performed by any authorised officer.

### **Advisory and technical committees**

**4.—**(1) The Agency may, from time to time, appoint such advisory or technical committees as the Agency thinks necessary for the purpose of advising the Agency on any matter arising from the administration of this Act.

(2) The composition of such committees and the terms of appointment of the members shall be determined by the Agency.

## PART III

### CONTROL OF IMPORT, EXPORT, ETC., OF RADIOACTIVE MATERIALS AND IRRADIATING APPARATUS

#### **Control of import, export, etc., of radioactive materials**

**5.—**(1) No person shall, except under and in accordance with a licence —

- (a) import into, or export out of, Singapore any radioactive material;
- (b) keep, have in his possession or under his control, or use any radioactive material;
- (c) manufacture, sell or otherwise deal in any radioactive material; or
- (d) transport any radioactive material.

(2) Any person who contravenes subsection (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$100,000 or to imprisonment for a term not exceeding 5 years or to both.

*[Act 20 of 2014 wef 21/10/2014]*

**Control of import, export, etc., of irradiating apparatus**

6.—(1) No person shall, except under and in accordance with a licence —

- (a) import into, or export out of, Singapore any irradiating apparatus;
- (b) keep, have in his possession or under his control, or use any irradiating apparatus;
- (c) manufacture, or otherwise produce, any irradiating apparatus; or
- (d) sell, deal with or otherwise deal in any irradiating apparatus.

(2) Every person who sells any irradiating apparatus shall immediately give notice of the sale to the Director-General, together with the name, address and prescribed particulars of the person to whom it was sold, in such form and manner as may be prescribed.

(3) Every person who purchases any irradiating apparatus shall immediately give notice of the purchase to the Director-General, together with the name, address and prescribed particulars of the person from whom it was purchased, in such form and manner as may be prescribed.

(4) No person shall dispose of any irradiating apparatus, whether in a working condition or otherwise, without the prior approval in writing of the Director-General.

(5) Any person who contravenes subsection (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$100,000 or to imprisonment for a term not exceeding 5 years or to both.

*[Act 20 of 2014 wef 21/10/2014]*

(6) Any person who contravenes subsection (2), (3) or (4) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$50,000 or to imprisonment for a term not exceeding 12 months or to both.

PART IV  
LICENCES

**Application for licences, etc.**

7.—(1) An application for the grant or renewal of a licence shall be made to the Director-General in such form and manner as the Director-General may require and shall be accompanied by the prescribed fee.

(2) An applicant for a licence shall furnish such information and documents as the Director-General may in any case require.

(3) The Director-General may, in his discretion —

- (a) grant or renew a licence subject to such conditions, limitations and exceptions as may be specified by the Director-General;
- (b) during the currency of a licence, revoke or vary any condition, limitation or exception attached to the licence, or attach new conditions, limitations or exceptions to the licence;
- (c) refuse any application for the grant or renewal of a licence; or
- (d) suspend a licence for such period as he may determine, or cancel a licence.

(4) A licence shall, unless earlier cancelled or suspended, remain in force for such period as may be specified in the licence.

**Register of licences**

8.—(1) The Director-General shall keep or cause to be kept such registers of licences as may be prescribed.

(2) The contents of every such register may be evidenced in any proceedings by a certificate under the hand of the Director-General, and every such certificate shall be prima facie evidence of the matters stated therein.

(3) A certificate under the hand of the Director-General stating that on a date specified in the certificate any person named therein did or did not appear in any register as the holder of a licence or any specified

class of licence shall, until the contrary is proved, be sufficient evidence of the matters specified therein.

## PART V

### GENERAL PROVISIONS RELATING TO OCCUPATIONAL HEALTH AND SAFETY

#### **Duties of licensees to employees**

**9.**—(1) Every licensee shall provide and maintain, so far as is practicable, for his employees who are exposed or likely to be exposed to radiations a working environment that is safe and without risks to health.

(2) Without prejudice to the generality of subsection (1), every licensee shall —

- (a) protect or cause to be protected all of his employees from exposure to radiations;
- (b) provide such information, instruction, training and supervision to such employees as are necessary to enable the employees to perform their work in a manner that is safe and without risks to health;
- (c) submit such particulars as the Director-General may require regarding each of his employees who is likely to be exposed to any radiation;
- (d) provide each of his employees such monitoring equipment or devices as may be prescribed and require all such employees to wear these prescribed personnel monitoring equipment and devices; and
- (e) provide all of his employees with prescribed medical examinations by such registered medical practitioners as may be approved by the Director-General.

(3) The registered medical practitioners performing the medical examinations under subsection (2)(e) shall give notice to the Director-General, in such form and manner as the Director-General may

require, of all employees of a licensee whose health is affected, or is reasonably suspected to be affected, by radiations.

(4) If the Director-General is satisfied that it is detrimental to the health of any employee of a licensee if he continues to be exposed to radiations, the licensee shall not permit or require that employee —

- (a) to perform any duty which will or is likely to cause that employee to be further exposed to radiations; or
- (b) to work in any place where that employee will be or is likely to be further exposed to radiations.

(5) For the purposes of this section —

- (a) “employee”, in relation to a licensee, includes —
  - (i) an independent contractor engaged by the licensee; and
  - (ii) any employee of an independent contractor engaged by the licensee; and
- (b) the duties of a licensee shall extend to any independent contractor engaged by the licensee and to the employees of the independent contractor, in relation to matters over which the licensee —
  - (i) has control; or
  - (ii) would have had control but for any agreement between the licensee and the independent contractor to the contrary.

### **Duties of licensees to third parties**

**10.** Every licensee shall ensure so far as is practicable that persons (other than the employees of the licensee) are not exposed to risks to their health or safety arising from the conduct of the undertaking or activities of the licensee.

## PART VI

## DISPOSAL OF RADIOACTIVE WASTE

**Disposal of radioactive waste**

**11.**—(1) No person shall, except with the prior approval in writing of the Director-General and in accordance with such conditions, limitations and exceptions as may be specified by the Director-General, dispose of or cause to be disposed of any radioactive waste.

(2) Any person who, without reasonable excuse, contravenes subsection (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$50,000 or to imprisonment for a term not exceeding 12 months or to both.

**Accumulation of radioactive waste**

**12.**—(1) Subject to subsection (2), no person shall, except with the prior approval in writing of the Director-General and in accordance with such conditions, limitations and exceptions as may be specified by the Director-General, accumulate any radioactive waste on any premises.

(2) Where the disposal of any radioactive waste has been approved by the Director-General under section 11 and, in accordance with that approval, the radioactive waste is required or permitted to be accumulated with a view to subsequent disposal thereof, no further approval under subsection (1) shall be required to enable the radioactive waste to be accumulated in accordance with the approval granted under that section.

(3) For the purposes of this section, where any radioactive material is produced, kept or used on any premises and any substance arising from the production, keeping or use of that radioactive material is —

(a) accumulated in any part of the premises appropriated for the purpose; and

(b) retained there for a period of 3 or more months,

that substance shall, unless the contrary is proved, be presumed —

(i) to be radioactive waste; and

- (ii) to be accumulated on the premises with a view to a subsequent disposal thereof.

(4) Any person who contravenes subsection (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$50,000 or to imprisonment for a term not exceeding 12 months or to both.

### **Director-General may dispose of radioactive waste**

**13.**—(1) If there is radioactive waste on any premises and the Director-General is of the opinion that the radioactive waste is unlikely to be lawfully disposed of, the Director-General shall have the power —

- (a) to dispose of that radioactive waste in such manner as the Director-General thinks fit; and
- (b) to recover from the occupier of the premises or, if the premises are unoccupied, from the owner thereof any expenses reasonably incurred by the Director-General in disposing the radioactive waste.

(2) Subject to section 33, the decision of the Director-General shall be final.

(3) For the exercise of the power referred to in subsection (1)(a), the Director-General or any other authorised officer may do anything that is necessary or expedient for carrying out the disposal of the radioactive waste, including entry to the premises and taking the radioactive waste for disposal.

### **Transport of radioactive waste**

**14.**—(1) No person shall, except with the prior approval in writing of the Director-General and in accordance with such conditions, limitations and exceptions as may be specified by the Director-General, transport any radioactive waste.

(2) Any person who contravenes subsection (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$50,000 or to imprisonment for a term not exceeding 12 months or to both.



## PART VII

## INFORMATION AND DOCUMENTS

**Maintenance of records, etc.**

**15.**—(1) Every licensee, and every person who has been granted any approval by the Director-General under this Act, shall —

- (a) keep and maintain such records in such form and manner, and containing such information, as may be prescribed; and
- (b) prepare and give to the Director-General such periodic reports and such special reports relating to the activity licensed or approved as may be prescribed or as the Director-General may, from time to time, direct.

(2) Any person who, without reasonable excuse, contravenes subsection (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$10,000 or to imprisonment for a term not exceeding 3 months or to both.

**Power to obtain information and documents**

**16.**—(1) The Director-General may, by notice in writing to any person whom the Director-General considers to be capable of giving any information or document that is required to be given by Singapore to the IAEA under the Safeguards Agreement, or to a Convention country or the IAEA or any other international organisation under the Nuclear Material Convention, require the person to give such information or document to the Director-General in such form and manner, and within such period, as may be specified in the notice.

*[Act 20 of 2014 wef 21/10/2014]*

(2) Notwithstanding section 44, the duty to comply with a notice given under subsection (1) is not affected by any obligation as to secrecy or other restriction on disclosure, whether imposed by written law or otherwise.

(3) Any person who, without reasonable cause, contravenes a notice given under subsection (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$10,000 or to imprisonment for a term not exceeding 3 months or to both.

**Confidentiality**

17.—(1) Subject to subsection (2), every person exercising any function under this Act shall keep confidential any information that is obtained pursuant to this Act concerning the affairs of another person, including but not limited to information with regard to any manufacturing process or trade secret.

(2) The information referred to in subsection (1) may be disclosed —

- (a) with the consent of the person to whose affairs it relates;
- (b) in connection with anything done for the purposes of this Act, the Safeguards Agreement or the Nuclear Material Convention;

*[Act 20 of 2014 wef 21/10/2014]*

- (c) in connection with the investigation of a criminal offence or for the purposes of criminal proceedings;
- (d) in compliance with the requirement of any court, tribunal, authority or person having lawful authority to require the production of documents or the answering of questions;
- (e) for the purpose of dealing with an emergency involving public safety or ensuring the security of Singapore; or
- (f) if the information is already in the public domain.

(3) Any person who contravenes subsection (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$6,000 or to imprisonment for a term not exceeding 12 months or to both.

**PART VIII****INSPECTIONS****Interpretation of this Part**

18.—(1) A reference in this section and in sections 19 and 24 to a compliance purpose is a reference to the purpose of —

- (a) determining whether the provisions of this Act have been or are being complied with;

- (b) determining whether the conditions and limitations applicable to a licence have been or are being complied with by the licensee; or
- (c) ensuring the proper functioning at any premises of any device, apparatus or equipment installed in the course of an inspection.

(2) A reference in sections 19, 21 and 24 to an inspection power is a reference to a power to —

- (a) search or examine any premises;
- (b) inspect or examine any matter or thing (including examining and calibrating any irradiating apparatus, instrument or measuring and control equipment);
- (c) take samples of any matter or thing for the purpose of examination or testing;
- (d) measure any quantity of nuclear material;
- (e) examine, take extracts from, or make copies of, any document (including any record kept in accordance with the requirements of this Act or the conditions of a licence);
- (f) interview any person on the premises (including making recordings of such interviews);
- (g) operate any equipment (including electronic equipment) located at the premises if the person exercising the power believes, on reasonable grounds, that the equipment can be operated without damaging it;
- (h) operate any photographic or video-recording equipment anywhere in or around the premises;
- (i) operate any radiation detection or measurement device;
- (j) apply any surveillance or containment measures; or
- (k) do anything that is prescribed or that is necessary or expedient for the carrying out of any of the acts referred to in paragraphs (a) to (j), including —

- (i) restricting or prohibiting the access of persons and vehicles to or from the premises; and
- (ii) applying labels, seals or other identifying and tamper-indicating devices.

(3) A power referred to in subsection (2)(a), (b), (c), (d), (g), (h), (i), (j) or (k) may only be exercised in a manner that the person authorised to exercise it believes, on reasonable grounds, to be in accordance with safety procedures applicable at the premises.

### **National inspectors and inspection**

**19.**—(1) All authorised officers shall be national inspectors for the purposes of this Act.

(2) The Director-General may, from time to time, appoint in writing any other person to be a national inspector.

(3) A national inspector may —

- (a) with the consent of the person who owns, or who is in control of, any premises; or
- (b) under a warrant issued under section 24 or 25 in respect of any premises,

enter the premises and exercise, on or in the premises, any inspection power for a compliance purpose.

### **IAEA inspectors and inspection**

**20.** An IAEA inspector may —

- (a) with the consent of the person who owns, or who is in control of, any premises; or
- (b) under a warrant issued under section 25 in respect of any premises,

enter and inspect the premises pursuant to the Safeguards Agreement and exercise, in connection with the inspection, any function contemplated, and power provided for, in the Safeguards Agreement.

### **Persons who may accompany IAEA inspectors**

**21.**—(1) In order to facilitate an inspection under section 20, an IAEA inspector may be accompanied by a national inspector.

(2) A national inspector may exercise any inspection power for the purpose of facilitating an inspection under section 20.

### **Written directions**

**22.**—(1) The Director-General may, by notice in writing, issue directions to any person for the purpose of facilitating any inspection under this Part.

(2) Any person who, without reasonable excuse, contravenes any direction given by the Director-General under subsection (1) shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$50,000 or to imprisonment for a term not exceeding 12 months or to both.

### **Identification certificates**

**23.** The Director-General shall issue to every IAEA inspector and national inspector a certificate identifying him as such IAEA inspector or national inspector, as the case may be.

### **Warrant for national inspection**

**24.**—(1) A national inspector may apply for a warrant where the consent of the person who owns, or who is in control of, any premises to enter the premises to exercise any inspection power for a compliance purpose cannot be obtained or where the person refuses to give such consent.

(2) Subject to subsection (3), a Magistrate who is satisfied that there are reasonable grounds for believing that —

(a) entry to the premises is necessary to exercise any inspection power for a compliance purpose; and

(b) the consent of the person who owns, or who is in control of, the premises cannot be obtained or such consent is refused,

may, unconditionally or subject to conditions, issue a warrant authorising the entry of the premises, at such time as may be

specified in the warrant and within 14 days of the issue of such warrant (or within such longer period as may be specified in the warrant), by the national inspector for the purpose of exercising any inspection power for a compliance purpose.

- (3) The national inspector applying for a warrant shall —
- (a) before applying for a warrant, make reasonable inquiries as to whether any other application for such a warrant has been made in respect of the premises concerned and, if so, the following matters:
    - (i) the offence or offences (if any) alleged in respect of each application; and
    - (ii) the results of each application; and
  - (b) disclose on the application for the warrant the results of the inquiries.

### **Warrant for IAEA inspection**

**25.—**(1) The Director-General may apply for a warrant on behalf of an IAEA inspector or a national inspector where the consent of the person who owns, or who is in control of, any premises to enter the premises for the purposes referred to in section 20 cannot be obtained or where the person refuses to give such consent.

(2) Subject to subsection (3), a Magistrate who is satisfied that there are reasonable grounds for believing that —

- (a) entry to the premises is necessary for the purposes referred to in section 20; and
- (b) the consent of the person who owns, or who is in control of, the premises cannot be obtained or such consent is refused,

may, unconditionally or subject to conditions, issue a warrant authorising the entry of the premises, at such time as may be specified in the warrant and within 14 days of the issue of such warrant (or within such longer period as may be specified in the warrant), by the IAEA inspector or national inspector for the purposes referred to in section 20.

(3) The Director-General shall —

- (a) before applying for a warrant, make reasonable inquiries as to whether any other application for such a warrant has been made in respect of the premises concerned and, if so, the following matters:
  - (i) the offence or offences (if any) alleged in respect of each application; and
  - (ii) the results of each application; and
- (b) disclose on the application for the warrant the results of the inquiries.

### **Obligations of persons carrying out inspections**

**26.—**(1) Every national inspector shall —

- (a) carry his identification certificate issued by the Director-General under section 23; and
- (b) produce his identification certificate to any person appearing to own, or be in control of, the premises entered —
  - (i) on entering the premises (if such a person is then present); or
  - (ii) at any reasonable time thereafter, if asked to do so by the person.

(2) Every national inspector shall —

- (a) if, at any time between the time of entry of any premises to be inspected and the time the inspection is completed, there is no person appearing to own, or be in control of, the premises, as soon as is practicable after completing the inspection give the owner, occupier or person in control of the premises a written notice stating that the premises have been entered, and specifying the following matters:
  - (i) the time and date of entry;
  - (ii) the circumstances and purpose of entry; and
  - (iii) the name of every person entering;

- (b) where applicable, have a warrant with him and produce it if required to do so; and
- (c) where any matter, thing or document is taken, give the owner, occupier or person in control of the premises a written inventory thereof.

## PART VIII A

### OFFENCES RELATING TO NUCLEAR MATERIAL CONVENTION

*[Act 20 of 2014 wef 21/10/2014]*

#### **Nuclear material**

**26A.**—(1) In this Part, “nuclear material” means —

- (a) plutonium except plutonium with an isotopic concentration of plutonium-238 exceeding 80%;
- (b) uranium-233;
- (c) uranium containing uranium-233 or uranium-235 or both in such an amount that the abundance ratio of the sum of those isotopes to uranium-238 is greater than the ratio of uranium-235 to uranium-238 occurring in nature;
- (d) uranium with an isotopic concentration equal to that occurring in nature; or
- (e) any material containing one or more of the foregoing,

that is used for peaceful purposes, but does not include uranium in the form of ore or ore-residue.

(2) If in any proceedings a question arises whether any nuclear material was used for peaceful purposes, a certificate issued by the Minister and stating that it was, or was not, so used at a time specified in the certificate, shall be prima facie evidence of that matter.

*[Act 20 of 2014 wef 21/10/2014]*



**Use, etc., of nuclear material**

**26B.** Any person who, without lawful authority, receives, possesses, uses, transfers, alters, disposes of, or disperses nuclear material, where the act causes or is likely to cause —

- (a) death or serious injury to any person; or
- (b) substantial damage to property,

shall be guilty of an offence and shall be liable on conviction to imprisonment for a term which may extend to life imprisonment.

*[Act 20 of 2014 wef 21/10/2014]*

**Enhanced punishment for theft, etc., of nuclear material**

**26C.**—(1) If, in a prosecution of a person for an offence under a section of the Penal Code (Cap. 224) set out in the first column of the Second Schedule, it is proved that —

- (a) the offence is committed in relation to nuclear material; and
- (b) the person knew that it was nuclear material,

then, in lieu of the term of imprisonment prescribed in that section, the person shall be liable to the term of imprisonment set out in the second column of that Schedule against that section.

(2) Subsection (1) is without prejudice to any liability of the person to, or the jurisdiction of the court to impose, any other punishment prescribed in that section of the Penal Code.

*[Act 20 of 2014 wef 21/10/2014]*

**Threat to commit certain offences**

**26D.**—(1) Any person who threatens to use nuclear material to cause —

- (a) death or serious injury to any person; or
- (b) substantial damage to property,

shall be guilty of an offence and shall be liable on conviction to imprisonment for a term which may extend to 10 years.

(2) Any person who threatens to commit, in relation to nuclear material —

(a) theft within the meaning of section 378 of the Penal Code (Cap. 224); or

(b) robbery within the meaning of section 390 of the Penal Code, in order to compel a person, an international organisation, the Government or the government of a country to do or refrain from doing any act, shall be guilty of an offence and shall be liable on conviction to imprisonment for a term which may extend to 10 years.

*[Act 20 of 2014 wef 21/10/2014]*

### **Information relating to offence**

**26E.**—(1) Any person in Singapore who has information which he knows or believes may be of material assistance —

(a) in preventing the commission by another person of an offence to which this section applies; or

(b) in securing the apprehension, prosecution or conviction of another person, in Singapore, for an offence involving the commission, preparation or instigation of an offence to which this section applies,

and who fails to disclose the information immediately to a police officer shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$50,000 or to imprisonment for a term not exceeding 5 years or to both.

(2) This section applies to the following offences:

(a) an offence under section 26B;

(b) an offence specified in the Second Schedule committed in relation to any nuclear material.

(3) No criminal or civil proceedings shall lie against a person for any disclosure made in good faith under this section.

(4) A person who makes a disclosure in good faith under this section shall not be treated as being in breach of any restriction upon the disclosure of information imposed by law, contract or rules of professional conduct.

(5) For the avoidance of doubt, this section is without prejudice to sections 128, 128A and 129 of the Evidence Act (Cap. 97).

*[Act 20 of 2014 wef 21/10/2014]*

### **Extra-territoriality**

**26F.** Any person who, outside Singapore, commits an act that, if committed in Singapore, would constitute a nuclear offence is deemed to commit the act in Singapore and may be proceeded against, charged, tried and punished accordingly.

*[Act 20 of 2014 wef 21/10/2014]*

### **Assistance under Mutual Assistance in Criminal Matters Act**

**26G.**—(1) For the purposes of the provision of assistance under Part III of the Mutual Assistance in Criminal Matters Act (Cap. 190A) to a foreign country for a criminal matter involving a relevant offence of that country, the relevant offence shall be deemed not to be an offence of a political character.

(2) In this section —

“criminal matter” has the meaning given to that expression in section 2(1) of the Mutual Assistance in Criminal Matters Act;

“relevant offence”, in relation to a foreign country, means an offence against the law of that country that consists of or includes conduct which, if it had occurred in Singapore, would have constituted a nuclear offence.

*[Act 20 of 2014 wef 21/10/2014]*

### **Extradition**

**26H.**—(1) All nuclear offences shall be deemed to be extraditable crimes for the purposes of Parts III and IV of the Extradition Act (Cap. 103).

(2) For the purposes of the Extradition Act, the expression “extradition crime”, in relation to a Convention country that is a declared Commonwealth country, shall be deemed to include relevant offences.

(3) Subject to subsection (4), where no extradition treaty is in force between Singapore and a Convention country that is not a declared Commonwealth country, a notification in the *Gazette* under section 4 of the Extradition Act may be made applying that Act as if there were an extradition treaty between Singapore and that country.

(4) Where the Extradition Act is applied under subsection (3), that Act shall have effect in relation to that country as if the only extradition crimes under that Act were the relevant offences of that country.

(5) Subsection (4) is without prejudice to any other notification made under section 4 of the Extradition Act.

(6) Where —

(a) an extradition treaty is in force between Singapore and a Convention country; and

(b) the treaty does not provide for the extradition of persons accused of or convicted of a relevant offence of that country,

a notification in the *Gazette* under section 4 of the Extradition Act may be made applying that Act in relation to that country as if the treaty provided for the matter referred to in paragraph (b).

(7) Where a notification referred to in subsection (6) is made, any limitation, condition, exception or qualification specified in any other notification made under section 4 of the Extradition Act, or in any Order in Council referred to in section 3 of that Act, in relation to that country shall, to the extent that it prevents the relevant offence from being considered an extradition crime in relation to that country, be disregarded in the application of that Act in relation to that country.

(8) For the purposes of the Extradition Act —

(a) any act, wherever committed, which is a relevant offence of a Convention country which is a declared Commonwealth country, or which is a relevant offence of a Convention country which is not a declared Commonwealth country in the case of which the Extradition Act has been applied by a notification in the *Gazette* made under section 4 of that Act,

shall be deemed to be an offence within the jurisdiction of that country; and

(b) any such offence shall be deemed not to be an offence of a political character.

(9) In this section —

“declared Commonwealth country” has the meaning given to that expression in the Extradition Act;

“relevant offence”, in relation to a Convention country, means an offence against the law of that country where the act or omission constituting the offence or the equivalent act or omission —

(a) would constitute a nuclear offence; or

(b) would be such an offence if the description concerned contained a reference to any intent or state of mind on the part of the person committing the offence, or to any circumstance of aggravation, necessary to constitute the offence.

*[Act 20 of 2014 wef 21/10/2014]*

## PART IX

### ENFORCEMENT

#### Power of arrest

27.—(1) An authorised officer may —

(a) arrest without warrant any person whom he has reason to believe to be committing or to have committed an offence under section 5, 6, 11 or 14; and

(b) search the person arrested and seize anything which he reasonably considers to be evidence of the commission of the offence.

(2) No woman or girl shall be searched except by a woman.

(3) Where the authorised officer makes an arrest without warrant, he shall, without unnecessary delay, produce the person arrested before a Magistrate.

(4) The authorised officer shall not detain in custody a person arrested without a warrant for a longer period than is reasonable under the circumstances of the case.

(5) The period that a person arrested without a warrant may be detained in custody shall not exceed 48 hours, excluding the time for any necessary journey to the Magistrate's Court.

### **Warrant for search and seizure**

**28.**—(1) If a Magistrate is satisfied, on information on oath, that there is reasonable ground for suspecting that an offence under this Act is being, has been or is about to be committed on any premises or that evidence of the commission of such an offence is to be found there, the Magistrate may issue a warrant in writing to an authorised officer to enter the premises, if necessary by force, at such time as may be specified in the warrant and within 14 days of the issue of such warrant (or within such longer period as may be specified in the warrant) and to search them.

(2) An authorised officer who enters the premises under the authority of the warrant may —

- (a) take with him such other person and such equipment as appear to him to be necessary;
- (b) inspect any record, register or other document found on the premises which he has reasonable cause to believe may be required as evidence for the purposes of proceedings in respect of an offence under this Act;
- (c) take copies of, or seize and remove, such document;
- (d) inspect, seize and remove any device, apparatus or equipment found on the premises which he has reasonable cause to believe may be required as such evidence;
- (e) inspect, sample, seize and remove any substance, material, or other matter or thing found on the premises which he has reasonable cause to believe may be required as such evidence; or
- (f) search or cause to be searched any person found on the premises whom he has reasonable cause to believe to be in

possession or control of any document, device, apparatus, equipment, substance, material or other matter or thing.

(3) No woman or girl shall be searched except by a woman.

### **Use of force**

**29.** If force is required to enter and inspect any premises specified in a warrant issued under section 24, 25 or 28 (whether by breaking down a door or otherwise), or in breaking open anything in the premises, the person executing the warrant may use such force as is reasonable in the circumstances.

### **Forfeiture**

**30.—(1)** A court may order that anything shown to the court's satisfaction to be the subject-matter of an offence under this Act or to have been used in the commission of such an offence shall be forfeited to the Agency, and either destroyed or otherwise dealt with in such manner as the court may order.

(2) The court may, in particular, order the thing to be dealt with as the Director-General may think fit, and in such a case the Director-General may direct that it be destroyed or otherwise dealt with.

(3) Where —

(a) the court proposes to order anything to be forfeited under this section; and

(b) a person claiming to have an interest in it applies to be heard by the court,

the court shall not order it to be forfeited unless that person has been given an opportunity to show cause why the order should not be made.

(4) The court may make an order under this section notwithstanding that no person has been charged with or convicted of an offence under this Act in relation to the thing to be forfeited.

### **False or misleading statements and documents**

**31.** Where any person who for the purpose of obtaining, whether for himself or any other person, the grant of any licence or approval under this Act, or for any other purpose in relation to this Act —

- (a) in any document prepared pursuant to this Act, makes any declaration or statement or omits any matter knowing that, or being reckless as to whether, the declaration, statement or omission makes the document false or misleading in a material particular; or
- (b) otherwise produces or makes use of any document which is to his knowledge false or misleading in any material particular,

he shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$50,000 or to imprisonment for a term not exceeding 12 months or to both.

### **Obstruction, etc., of authorised officer or IAEA inspector**

**32.—**(1) Any person who obstructs, hinders, resists or deceives any authorised officer or IAEA inspector who is exercising any function contemplated, or any power provided for, in this Act shall be guilty of an offence and shall be liable on conviction to a fine not exceeding \$50,000 or to imprisonment for a term not exceeding 12 months or to both.

(2) Nothing in subsection (1) shall apply to a refusal to give consent to entry —

- (a) by a national inspector who is not acting pursuant to a warrant referred to in section 24 or 25;
- (b) by an IAEA inspector who is not acting pursuant to a warrant referred to in section 25; or
- (c) by an authorised officer who is not acting pursuant to a warrant referred to in section 28.

## PART X

### MISCELLANEOUS

#### **Appeals**

**33.—**(1) Any person who is dissatisfied with any decision of the Director-General under section 7, 13 or 14 may appeal to the Minister



in writing within 30 days of the communication to him of the decision of the Director-General.

(2) Upon receipt of any appeal, the Minister shall appoint one or more persons to hear representations made by the appellant and the Director-General and, if such persons think fit, to inspect the premises or irradiating apparatus and to report to the Minister, who shall thereupon determine the appeal as soon as practicable.

(3) In the exercise of his power to determine an appeal, the Minister may —

(a) dismiss such appeal;

(b) require the Director-General to issue a licence;

(c) quash any suspension or cancellation of a licence, or substitute a suspension of a licence for cancellation or vice versa; or

(d) vary or revoke any decision of the Director-General, or substitute any decision for a decision made by the Director-General.

(4) The decision of the Minister under this section shall be final.

### **Protection of persons acting under Act**

**34.** No suit or other legal proceedings shall lie personally against any authorised officer, any person acting under his direction and any other person for anything which is in good faith done or intended to be done in the execution or purported execution of this Act.

### **Public servants**

**35.** All authorised officers shall be deemed to be public servants for the purposes of the Penal Code (Cap. 224).

### **Fees, charges, etc., collected by authorised officer to be paid to Agency**

**36.** All fees, charges and other moneys recovered or collected by the Director-General or any other authorised officer under this Act (including sums collected for the composition of offences under section 40) shall be paid to the Agency.

**Offences by bodies corporate, etc.**

**37.—**(1) Where an offence under this Act committed by a body corporate is proved —

- (a) to have been committed with the consent or connivance of an officer; or
- (b) to be attributable to any neglect on his part,

the officer as well as the body corporate shall be guilty of the offence and shall be liable to be proceeded against and punished accordingly.

(2) Where the affairs of a body corporate are managed by its members, subsection (1) shall apply in relation to the acts and defaults of a member in connection with his functions of management as if he were a director of the body corporate.

(3) Where an offence under this Act committed by a partnership is proved —

- (a) to have been committed with the consent or connivance of a partner; or
- (b) to be attributable to any neglect on his part,

the partner as well as the partnership shall be guilty of the offence and shall be liable to be proceeded against and punished accordingly.

(4) Where an offence under this Act committed by an unincorporated association (other than a partnership) is proved —

- (a) to have been committed with the consent or connivance of an officer of the unincorporated association or a member of its governing body; or
- (b) to be attributable to any neglect on the part of such an officer or member,

the officer or member as well as the unincorporated association shall be guilty of the offence and shall be liable to be proceeded against and punished accordingly.

(5) In this section —

“body corporate” includes a limited liability partnership which has the same meaning as in section 2(1) of the Limited Liability Partnerships Act (Cap. 163A);

“officer” —

(a) in relation to a body corporate, means any director, partner, member of the committee of management, chief executive, manager, secretary or other similar officer of the body corporate and includes any person purporting to act in any such capacity; or

(b) in relation to an unincorporated association (other than a partnership), means the president, the secretary, or any member of the committee of the unincorporated association, or any person holding a position analogous to that of president, secretary or member of a committee and includes any person purporting to act in any such capacity;

“partner” includes a person purporting to act as a partner.

(6) The Minister may make regulations to provide for the application of any provision of this section, with such modifications as the Minister considers appropriate, to any body corporate or unincorporated association formed or recognised under the law of a territory outside Singapore.

### **Jurisdiction of courts**

**38.** Notwithstanding any provision to the contrary in the Criminal Procedure Code (Cap. 68), a District Court shall have jurisdiction to try any offence under this Act and shall have power to impose the full penalty or punishment in respect of the offence.

### **Penalty for offences not otherwise provided for**

**39.** Any person who contravenes any provision of this Act for which no penalty is expressly provided shall be guilty of an offence and shall be liable on conviction —

- (a) in a case where the contravention is of such a nature as to endanger or is likely to endanger human life, to a fine not exceeding \$50,000 or to imprisonment for a term not exceeding 12 months or to both; or
- (b) in any other case, to a fine not exceeding \$10,000 or to imprisonment for a term not exceeding 3 months or to both.

### **Composition of offences**

**40.**—(1) The Director-General may, in his discretion, compound any offence under this Act which is prescribed as a compoundable offence by collecting from a person reasonably suspected of having committed the offence a sum not exceeding —

- (a) one half of the amount of the maximum fine that is prescribed for the offence; or
- (b) \$15,000,

whichever is the lower.

(2) On payment of such sum of money, no further proceedings shall be taken against that person in respect of the offence.

(3) The Agency may, with the approval of the Minister, make regulations to prescribe the offences which may be compounded.

### **Cost of enforcement**

**40A.** Where a person has been convicted by a court for an offence under section 5 or 6 or under Part VIIIA, the court may order that person to pay reasonable costs of any enforcement action taken by an authorised officer in respect of the offence, including any cost of storage of the subject-matter of the offence or anything used in the commission of the offence.

*[Act 20 of 2014 wef 21/10/2014]*

### **Exemption**

**41.** The Agency may, subject to the general or special directions of the Minister, either permanently or for such period as the Agency thinks fit, by regulations exempt any person, premises, material or

thing, or any class thereof, from all or any of the provisions of this Act, subject to such terms or conditions as may be prescribed.

### **Amendment of Schedules**

**42.—**(1) The Minister may from time to time, by order published in the *Gazette*, amend, add to or vary the First or Second Schedule.

*[Act 20 of 2014 wef 21/10/2014]*

(2) The Minister may, in any order made under subsection (1), make such incidental, consequential or supplementary provisions as may be necessary or expedient.

(3) Any order made under subsection (1) shall be presented to Parliament as soon as possible after publication in the *Gazette*.

### **Regulations**

**43.—**(1) The Agency may, with the approval of the Minister, make such regulations as may be necessary or expedient for giving full effect to the provisions of this Act and for the due administration thereof and, in particular, may make regulations for or with respect to —

- (a) the form and manner of applying for and granting, and the fees for licences and renewals thereof, and the matters to be taken into consideration in respect of any application for or for the renewal of a licence or in respect of any proposal to suspend or cancel a licence;
- (b) the granting of different classes or types of licences under this Act;
- (c) the form of the registers to be kept under this Act;
- (d) regulating the sale, purchase or manufacture of, or the dealing with, any radioactive substance and irradiating apparatus;
- (e) regulating the transport, storage, use and disposal of any radioactive substance or irradiating apparatus;
- (f) preventing injury by radiations to any person;

- (g) securing the safe disposal of any radioactive waste product resulting from the manufacture, production, treatment, storage or use of any radioactive substance;
- (h) imposing requirements with respect to the construction or structural alteration of buildings used or intended to be used for the manufacture, production, treatment, storage or use of any radioactive substance, or in which any irradiating apparatus is used or intended to be used;
- (i) requiring persons who are exposed or are likely to be exposed to the risk of disease due to radiation from any radioactive substance or irradiating apparatus to submit to screening and decontamination procedures by such persons as may be approved by the Director-General, as well as to medical examinations, including blood tests;  
*[Act 20 of 2014 wef 21/10/2014]*
- (j) prohibiting the use of any prescribed radioactive substance or any prescribed class or description of irradiating apparatus either generally, or for prescribed purposes or otherwise than for prescribed purposes;
- (k) prescribing the maximum working hours and minimum age of persons engaged in the manufacture, production, treatment, storage, sale or use of any radioactive substance or the use, testing or repair of any irradiating apparatus, prescribing the minimum holidays to be taken by those persons, and providing for the medical examination of those persons;
- (l) prescribing personnel or area monitoring;
- (m) regulating the use of any radioactive substance for therapeutic or diagnostic purposes;
- (n) regulating the dispensing and compounding of any prescription containing any radioactive substance;
- (o) providing for the making of returns by owners of radioactive materials of the quantities and classes of radioactive materials held by them;

- (p) providing for the keeping by purchasers of radioactive substances of records specifying the purposes to which those substances are put, and for the inspection of those records, and for the making of returns of entries in those records;
- (q) providing for the keeping of records of all application of radioactive substances or irradiating apparatus for diagnostic or therapeutic purposes;
- (r) regulating the registration of mobile radioactive and irradiating laboratories;
- (s) prescribing the fees payable for services rendered by the Director-General;
- (t) prescribing offences in respect of the contravention of any regulation made under this section, and prescribing penalties, not exceeding \$50,000 or an imprisonment term not exceeding 6 months or both, that may, on conviction, be imposed in respect of any such offence; and  
*[Act 20 of 2014 wef 21/10/2014]*
- (u) any other matter which is required or permitted to be prescribed or which is necessary or expedient to be prescribed for carrying out or giving effect to the provisions of this Act.

(2) Without prejudice to the generality of subsection (1), the Agency may, with the approval of the Minister, make regulations for the purposes of implementing the Safeguards Agreement, or any agreement that is concluded between Singapore and the IAEA pursuant to the Safeguards Agreement, and, in particular, may make regulations for or with respect to —

- (a) imposing on any importer, exporter, agent, forwarding agent, common carrier, consignor or consignee of goods or on any owner, agent, master or person in charge of a conveyance as may be prescribed in the regulations, the duty to furnish —
  - (i) to the Director-General; or
  - (ii) to the owner, agent, master or person in charge of a conveyance, or to a railway station-master or to such other person as may be prescribed,

such particulars, information or documents as may be prescribed in respect of any nuclear material that is imported or exported;

- (b) requiring the master of any vessel to attend at the office of the Director-General or Port Master, and to furnish such particulars, information and documents, as may be prescribed;
- (c) prohibiting the issue of a port clearance to the master of any vessel pending compliance with any provision of the regulations; and
- (d) the registration of any nuclear material that is imported or exported.

(3) Without prejudice to the generality of subsection (1), the Agency may, with the approval of the Minister, make regulations for the purposes of implementing the Nuclear Material Convention, including for or with respect to any of the matters referred to in subsection (1), as well as to prescribe measures for the physical protection of a nuclear facility within the meaning of the Convention, including licensing the operation of such facility.

*[Act 20 of 2014 wef 21/10/2014]*

### **Saving for other written law**

**44.** Nothing in this Act shall be construed as to limit or in any way affect the provisions of any other written law.

### **Transitional and saving provisions**

**45.—**(1) All acts done by the Health Sciences Authority or the Chief Executive thereof under the repealed Radiation Protection Act (Cap. 262, 1992 Ed.) before 1st July 2007 shall continue to remain valid and applicable as though done by the Agency or the Director-General under the corresponding provision in this Act, until such time as invalidated, revoked, cancelled or otherwise determined by the Agency or the Director-General, as the case may be.

(2) Any decision, direction, document, licence, consent, approval or authorisation prepared, made, issued or granted by the Health Sciences Authority or the Chief Executive thereof under the



repealed Radiation Protection Act before 1st July 2007 shall, insofar as it is not inconsistent with the provisions of this Act, be deemed to be a decision, direction, document, licence, consent, approval or authorisation prepared, made, issued or granted by the Agency or the Director-General, as the case may be, under the corresponding provision in this Act.

(3) Where anything has been commenced by or on behalf of the Health Sciences Authority or the Chief Executive thereof under the repealed Radiation Protection Act before 1st July 2007, such thing may be carried on and completed by the Agency or the Director-General, as the case may be, under the corresponding provision in this Act.

(4) Where an appeal has been made to the Minister under section 17 of the repealed Radiation Protection Act and the appeal has not been dealt with or disposed of immediately before 1st July 2007, the appeal may be dealt with in accordance with that repealed section as if this Act had not been enacted.

(5) Any subsidiary legislation made under the repealed Radiation Protection Act (Cap. 262, 1992 Ed.) and in force immediately before 1st July 2007 shall, so far as it is not inconsistent with the provisions of this Act, continue in force as if made under this Act until it is revoked or repealed.

(6) Any written law or document referring to the repealed Radiation Protection Act or any provision thereof shall, as far as may be necessary for preserving its effect, be construed as referring or as including a reference to this Act or the corresponding provision in this Act, as the case may be.

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## FIRST SCHEDULE

Sections 2(1) and 42

[Act 20 of 2014 wef 21/10/2014]

### DEFINITION OF NUCLEAR MATERIAL

1. In this Act, “nuclear material” means —

(a) any source material (not being ore or ore residue); or

FIRST SCHEDULE — *continued*

(b) any special fissionable material.

2. For the purposes of paragraph 1 —

“source material” means —

- (a) uranium containing the mixture of isotopes occurring in nature;
- (b) uranium depleted in the isotope 235;
- (c) thorium;
- (d) any of the foregoing in the form of metal, alloy, chemical compound, or concentrate; or
- (e) any other material containing one or more of the foregoing in such concentration as the IAEA Board of Governors shall from time to time determine;

“special fissionable material” means —

- (a) plutonium-239;
- (b) uranium-233;
- (c) uranium containing the isotopes 235 or 233, or both, in an amount such that the abundance ratio of the sum of these isotopes to the isotope 238 is greater than the ratio of the isotope 235 to the isotope 238 occurring in nature; or
- (d) any material containing one or more of the foregoing,

but does not include source material.

## SECOND SCHEDULE

Sections 2(1), 26C(1),  
26E(2)(b) and 42

ENHANCED PUNISHMENTS FOR OFFENCES  
COMMITTED IN RELATION TO NUCLEAR MATERIAL

<i>Offence under Penal Code</i>	<i>Substituted imprisonment term</i>
1. Section 379 (Theft)	Term which may extend to 5 years
2. Section 380 (Theft in dwelling-house, etc.)	Term which may extend to 10 years
3. Section 381 (Theft by clerk or servant of property in possession of master)	Term which may extend to 10 years

SECOND SCHEDULE — *continued*

<i>Offence under Penal Code</i>	<i>Substituted imprisonment term</i>
4. Section 382 (Theft after preparation made for causing death or hurt in order to commit theft)	Term which may extend to 15 years
5. Section 384 (Extortion)	Term of not less than 3 years and not more than 10 years
6. Section 385 (Putting person in fear of harm in order to commit extortion)	Term of not less than 3 years and not more than 8 years
7. Section 386 (Extortion by putting a person in fear of death or grievous hurt)	Term of not less than 3 years and not more than 15 years
8. Section 387 (Putting person in fear of death or of grievous hurt in order to commit extortion)	Term of not less than 3 years and not more than 10 years
9. Section 388 (Extortion by threat of accusation of an offence punishable with death, or imprisonment, etc.)	Term which may extend to 15 years
10. Section 389 (Putting person in fear of accusation of offence, in order to commit extortion)	Term which may extend to 15 years
11. Section 392 (Robbery committed at or after 7 a.m. and at or before 7 p.m.)	Term of not less than 3 years and not more than 15 years
12. Section 392 (Robbery committed after 7 p.m. and before 7 a.m.)	Term of not less than 5 years and not more than 20 years
13. Section 393 (Attempt to commit robbery)	Term of not less than 3 years and not more than 10 years
14. Section 394 (Voluntarily causing hurt in committing robbery)	Term of not less than 8 years and not more than 30 years
15. Section 395 (Punishment for gang-robbery)	Term of not less than 8 years and not more than 30 years

SECOND SCHEDULE — *continued*

<i>Offence under Penal Code</i>	<i>Substituted imprisonment term</i>
16. Section 399 (Making preparation to commit gang-robbery)	Term of not less than 5 years and not more than 15 years
17. Section 402 (Assembling for purpose of committing gang-robbery)	Term which may extend to 10 years
18. Section 403 (Dishonest misappropriation of property)	Term which may extend to 3 years
19. Section 406 (Criminal breach of trust)	Term which may extend to 10 years
20. Section 407 (Criminal breach of trust by carrier, etc.)	Term which may extend to 20 years
21. Section 408 (Criminal breach of trust by clerk or servant)	Term which may extend to 20 years
22. Section 409 (Criminal breach of trust by public servant, or by banker, merchant, or agent)	Term which may extend to 30 years
23. Section 417 (Cheating)	Term which may extend to 5 years
24. Section 418 (Cheating with knowledge that wrongful loss may be thereby caused to a person whose interest the offender is bound to protect)	Term which may extend to 8 years
25. Section 419 (Cheating by personation)	Term which may extend to 8 years
26. Section 420 (Cheating and dishonestly inducing delivery of property)	Term which may extend to 15 years
27. Section 468 (Forgery for purpose of cheating)	Term which may extend to 15 years.

*[Act 20 of 2014 wef 21/10/2014]*

LEGISLATIVE HISTORY  
RADIATION PROTECTION ACT  
(CHAPTER 262)

This Legislative History is provided for the convenience of users of the Radiation Protection Act. It is not part of the Act.

**1. Act 8 of 1991 — Radiation Protection Act 1991**

Date of First Reading	:	9 November 1990 (Bill No. 34/90 published on 12 November 1990)
Date of Second and Third Readings	:	3 January 1991
Date of commencement	:	1 February 1992

**2. 1992 Revised Edition — Radiation Protection Act (Chapter 262)**

Date of operation	:	9 March 1992
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**3. Act 24 of 1999 — Dentists Act 1999**

(Consequential amendments made to Act by)

Date of First Reading	:	4 May 1999 (Bill No. 17/99 published on 5 May 1999)
Date of Second and Third Readings	:	6 July 1999
Date of commencement	:	15 October 1999

**4. Act 4 of 2001 — Health Sciences Authority Act 2001**

(Consequential amendments made to Act by)

Date of First Reading	:	12 January 2001 (Bill No. 3/2001 published on 13 January 2001)
Date of Second and Third Readings	:	22 February 2001
Date of commencement	:	1 April 2001

**5. Act 27 of 2007 — Radiation Protection Act 2007**

Date of First Reading	:	9 April 2007 (Bill No. 14/2007 published on 10 April 2007)
Date of Second and Third Readings	:	21 May 2007
Date of commencement	:	1 July 2007

*Note: The Radiation Protection Act 2007 repealed and re-enacted with amendments to the Radiation Protection Act (Chapter 262, 1992 Revised Edition).*

**6. 2008 Revised Edition — Radiation Protection Act (Chapter 262)**

Date of operation : 31 March 2008

**7. Act 20 of 2014 — Radiation Protection (Amendment) Act 2014**

Date of First Reading : 26 May 2014 (Bill No. 14/2014  
published on 26 May 2014)

Date of Second and Third Readings : 7 July 2014

Date of commencement : 21 October 2014 (except  
sections 3(2) and 9(2) to (5))

**COMPARATIVE TABLE**  
**RADIATION PROTECTION ACT**  
**(CHAPTER 262)**

The following provisions in the Radiation Protection Act 2007 (Act 27 of 2007) have been renumbered by the Law Revision Commissioners in this 2008 Revised Edition.

This Comparative Table is provided for the convenience of users. It is not part of the Radiation Protection Act.

<b>2008 Ed.</b>	<b>Act 27 of 2007</b>
<i>Omitted</i>	<b>45</b>
<i>Omitted</i>	<b>46</b>
<b>45</b>	<b>47</b>