



Prerequisites for a licence to use radiation sources in Tasmania

Radiation Protection Act 2005

This document is issued in accordance with S56 of the *Radiation Protection Act 2005*.

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Applicants seeking a licence to use radiation sources (radioactive material or radiation apparatus as defined under the *Radiation Protection Act 2005*), must meet certain requirements prior to the issuing of a licence to use. Unless documented evidence is supplied to substantiate the prerequisites listed in this document, a licence will not be granted.

Applications that fall outside the scope of this document will be assessed on a case by case basis. Applicants in this situation are encouraged to contact the Radiation Protection Unit to discuss their application and to provide as much evidence as possible to demonstrate their eligibility for a use licence.

Note: Where a prerequisite identifies a requirement for a use licence applicant to hold professional registration, this registration must not be restricted by any conditions or limitations relevant to their proposed use of radiation sources.

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Licence to Use Prerequisites

Medical

Occupation	Radiation source	Prerequisites
Bone Mineral Densitometer Operator	Bone Mineral Densitometer	<ul style="list-style-type: none"> Must have satisfactorily completed a recognised course in safe use of bone mineral densitometers. (Recognised courses listed under MED5)
Cardiologist	Medical fluoroscopic X-ray unit	<ul style="list-style-type: none"> Must be registered as a medical specialist in the field of Cardiology or Paediatric Cardiology or Cardio-thoracic surgery with the Australian Health Practitioner Regulation Agency (AHPRA); AND Must have satisfactory completed a recognised short course in radiation safety with respect to fluoroscopic equipment. (Recognised courses listed under MED1)
Chiropractor	Medical general X-ray unit	<ul style="list-style-type: none"> Must hold general registration as a Chiropractor with the Australian Health Practitioner Regulation Agency (AHPRA). <p>Note: Graduates from RMIT & Macquarie Universities (post 1989) will be allowed to perform spinal and extremity chiropractic radiography. Other applicants, such as overseas qualified Chiropractors, will be limited to spinal chiropractic radiography, unless evidence can be supplied of further applicable training.</p>

Occupation	Radiation source	Prerequisites
Dermatologist	Laser (Class 3B and 4) and IPL	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the field of Dermatology with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Be admitted as a Fellow of the Australasian College of Dermatologists in or after 1990; AND • Must provide evidence of training in the safe operation of the particular make and model of laser/IPL that is to be used. <p>OR</p> <ul style="list-style-type: none"> • If admitted as a Fellow of the Australasian College of Dermatologists prior to 1990, provide evidence of participation in ACD continuing education training programs, and demonstrate sufficient experience in the use of laser or IPL apparatus for dermatological purposes; AND • Provide evidence of satisfactory completion of an appropriate laser or IPL safety course (may include statements detailing work history relevant to the use of laser or IPL apparatus). <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. Labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; • Relevant standards and legislation; • Difference between a coherent and incoherent light source; and • Applicability of various filters for different IPL treatments.

Occupation	Radiation source	Prerequisites
<p>General Practitioner (remote area only)</p>	<p>Medical general X-ray unit</p> <p>Note: This licence is restricted to radiography of extremities unless the licensee is trained to perform radiography of shoulder and/or chest. The exception is in the case of a medical emergency when radiography of any part of the body may be undertaken.</p>	<ul style="list-style-type: none"> • Must hold general or specialist registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed a recognised short course in radiography for GPs. (Recognised courses listed under MED2) <p>Note: Use Licences are generally only issued to GPs who practice in rural areas where no radiographers are available.</p>
<p>IPL Therapist</p>	<p>IPL apparatus</p> <p>Note: Hair removal and non-ablative skin treatment and superficial vein treatments only.</p>	<ul style="list-style-type: none"> • Must provide evidence of satisfactory completion of a course, within the past three years, that has the required skills and knowledge for IPL use (Recognised courses listed under IPL7); AND • Must provide evidence of training in the safe operation of the particular make and model of IPL that is to be used.

Occupation	Radiation source	Prerequisites
Laser Physician	Medical Laser and IPL	<ul style="list-style-type: none"> • Must hold general registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must provide evidence of satisfactory completion of an appropriate laser/IPL course within three years of the application being submitted; AND • Must provide evidence of training in the use of lasers/IPL, which must contain a practical component demonstrating training in the use of lasers for fractional treatments on patients whilst under appropriate clinical supervision; AND • Provide evidence of training in the safe operation of the particular make and model of laser/IPL that is to be used. <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Interaction of lasers with hard and soft tissue; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. Labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; • Difference between coherent and incoherent light sources; • Applicability of various filters for different IPL treatments; and • Relevant standards and legislation.
Laser Therapist Level I IPL Therapist Level I	Laser and IPL Note: Hair removal and non-ablative skin treatment using laser and IPL.	<ul style="list-style-type: none"> • Must provide evidence of satisfactory completion of a course, within the past three years, that has the required skills and knowledge for laser and/or IPL use (Recognised courses listed under IPL7); AND • Must provide evidence of training in the safe operation of the particular make and model of laser and/or IPL that is to be used.

Occupation	Radiation source	Prerequisites
Laser Therapist Level 2	Laser and IPL	<ul style="list-style-type: none"> • Must provide evidence of being eligible to be a member of the Australian Society of Dermal Clinicians and perform laser treatments including tattoo removal and fractionated laser skin treatments. This is normally met by having a 4 year Bachelor of Health Science degree. <p>OR</p> <ul style="list-style-type: none"> • Must provide evidence of satisfactory completion of an appropriate laser/IPL course within three years of the application being submitted; AND • Must provide evidence of training in the use of lasers/IPL, which must contain a practical component demonstrating training in the use of lasers for fractional treatments on patients whilst under appropriate clinical supervision; AND • Must provide evidence of training in the safe operation of the particular make and model of laser/IPL that is to be used. <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Interaction of lasers with hard and soft tissue; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. Labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; • Difference between coherent and incoherent light sources; • Applicability of various filters for different IPL treatments; and • Relevant standards and legislation. <p>Appropriate clinical supervision would normally mean participating in fractional laser treatments with a medical practitioner qualified in this modality, so that skill and performance could be obtained and assessed by the medical practitioner.</p>

Occupation	Radiation source	Prerequisites
Test Laser and IPL (Operational Checks)	Laser and IPL	<ul style="list-style-type: none"> • Must provide evidence of satisfactory completion of an appropriate laser/IPL course within three years of the application being submitted; AND • Must provide evidence of training in the safe operation and pre use tests (manufacturer specified) of the particular make and model of laser/IPL that is to be used. <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. Labelling of Optical Density and wavelength coverage; • Organising the surgery to minimize laser hazards; • Difference between a coherent and incoherent light source; and • Relevant standards and legislation.
Mammographic Technologist	Mammographic X-ray unit	<ul style="list-style-type: none"> • Must have successfully completed a recognised course in mammography. (Recognised course MED6-1)
Medical Physicist Radiation Oncology Medical Physicist (ROMP) Diagnostic Imaging Medical Physicist (DIMP)	Radiation sources (various)	<ul style="list-style-type: none"> • Must be recognised as a Medical Physicist by ACPSEM or equivalent body. <p>OR</p> <ul style="list-style-type: none"> • Must have successfully completed a Bachelor degree majoring in physics, medical physics, or equivalent; • AND • Must provide evidence of training and expertise appropriate to the type of radiation sources proposed to be used. • Note: Applicants should identify in which specialty area(s) they propose to work, i.e. Diagnostic Radiology, Radiation Oncology and/or Nuclear Medicine.

Occupation	Radiation source	Prerequisites
Medical Registrar	Medical fluoroscopic X-ray unit	<ul style="list-style-type: none"> • Must hold general registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed, within the last 12 months, a recognised training course. (Recognised courses listed under MED1)
	Medical mini C-arm fluoroscopic X-ray unit	<ul style="list-style-type: none"> • Must hold general registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed, within the last 12 months, a recognised training course. (Recognised course MED1-3)

Occupation	Radiation source	Prerequisites
Medical Practitioner Non Superficial Vascular Therapy	Medical Laser (Class 3B and 4)	<ul style="list-style-type: none"> • Must hold general registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Be admitted as a Fellow of the Australasian College of Phlebology; AND • Must provide evidence of training in the safe operation of the particular make and model of laser that is to be used. <p>OR</p> <ul style="list-style-type: none"> • Must hold general registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must provide evidence of satisfactory completion of an appropriate laser course within the last three years; AND • Must provide evidence of training in the safe operation of the particular make and model of laser that is to be used; AND • Must provide evidence of the appropriate level of skill and training, including supervised clinical experience in the use of vascular lasers. This may have been achieved by participating in a preceptorship such as that outlined by the Australasian College of Phlebology. <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Interaction of lasers with hard and soft tissue; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. Labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; and • Relevant standards and legislation.

Occupation	Radiation source	Prerequisites
Nuclear Medicine Physician	<p>Unsealed radioactive material used in nuclear medicine</p> <p>Computed Tomography (CT) unit for attenuation correction and organ localisation</p>	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the field of Nuclear Medicine or Paediatric Nuclear Medicine with the Australian Health Practitioner Regulation Agency (AHPRA). <p>OR</p> <ul style="list-style-type: none"> • Must hold general or specialist registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must be eligible for membership of the Royal Australasian College of Physicians; AND • Must have successfully completed Advanced Training in Nuclear Medicine as overseen by the Joint Specialist Advisory Committee in Nuclear Medicine (JSAC).
Nuclear Medicine Radiologist	<p>Unsealed radioactive material used in nuclear medicine</p> <p>Medical diagnostic imaging units</p>	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the field of Nuclear Medicine or Paediatric Nuclear Medicine with the Australian Health Practitioner Regulation Agency (AHPRA). <p>OR</p> <ul style="list-style-type: none"> • Must hold general or specialist registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must be eligible for membership of the Royal Australian & New Zealand College of Radiologists (RANZCR); AND • Must have successfully undertaken Advanced Training in Nuclear Medicine as overseen by the Joint Specialist Advisory Committee in Nuclear Medicine (JSAC).

Occupation	Radiation source	Prerequisites
Nuclear Medicine Technologist	Unsealed radioactive material used in nuclear medicine	<ul style="list-style-type: none"> • Must hold general registration as a Nuclear Medicine Technologist with the Australian Health Practitioner Regulation Agency (AHPRA).
	Computed Tomography (CT) unit for attenuation correction and organ localisation	<ul style="list-style-type: none"> • Must hold general registration as a Nuclear Medicine Technologist with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed a recognised short course in diagnostic CT. (Recognised course MED4-1) <p>OR</p> <ul style="list-style-type: none"> • A Nuclear Medicine Technologist, who has successfully completed a training course in diagnostic CT radiography to the same graduate level as a Diagnostic Radiographer and is currently licensed, is authorised to use a CT unit for diagnostic imaging, without supervision, once the following pre-requisites have been met: <ul style="list-style-type: none"> a) the Nuclear Medicine Technologist has completed sufficient CT use within a 12 month period, under the supervision of an authorised specialist CT radiographer, to attain competence in diagnostic CT; and b) dose records from CT examinations are kept within the imaging system and available for view by an authorised officer; and c) the supervisor has provided written confirmation to the Director of Public Health that the Nuclear Medicine Technologist has attained competence in diagnostic CT radiography.
	Bone Mineral Densitometer	<ul style="list-style-type: none"> • Must hold general registration as a Nuclear Medicine Technologist with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must provide evidence of training in the safe use of Bone Mineral Densitometers. (Recognised courses listed under MED5)

Occupation	Radiation source	Prerequisites
Nurse (remote area only)	<p>Medical general X-ray unit</p> <p>Note: This licence is restricted to radiography of extremities unless the licensee is trained to perform radiography of shoulder and /chest. The exception is in the case of a medical emergency when radiography of any part of the body may be undertaken.</p>	<ul style="list-style-type: none"> • Must hold general registration as a Registered Nurse (Division 1) with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed a recognised short course in radiography for Nurses. (Recognised Courses listed under MED2). <p>Note: Use licences are generally only issued to nurses who practice in rural/remote areas where no radiographers or radiography qualified General Practitioners are available.</p>
Ophthalmologist	Medical Laser (Class 3B and 4)	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the field of Ophthalmology with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Be admitted as a Fellow of the Royal Australian and New Zealand College of Ophthalmologists. <p>OR</p> <ul style="list-style-type: none"> • Ophthalmologists not currently holding FRANZCO must submit evidence of their qualifications and a CV with evidence of having completed an appropriate laser safety training and laser experience. They must also provide evidence of their current registration with AHPRA recognising the speciality of ophthalmology. <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Interaction of lasers with hard and soft tissue; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. Labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; and • Relevant standards and legislation.

Occupation	Radiation source	Prerequisites
Ophthalmologist	Ophthalmic Sealed Source applicator	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the specialty of Ophthalmology with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed a recognised course in the safe use of Sr-90 applicators. (Recognised course MED3-1)
Otolaryngologist	Medical Laser (Class 3B and 4)	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the field of Otolaryngologist with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Be admitted as a Fellow of the Royal Australasian College of Surgeons; AND • Provide evidence of experience in the use of laser apparatus for otolaryngology purposes. This will be assisted by providing evidence of having satisfactorily completed an appropriate laser safety course, in addition to any specific training covering the use of lasers for the intended surgical procedures; AND • Provide evidence of training in the safe operation of the particular make and model of laser/IPL that is to be used. <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety Terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Interaction of lasers with hard and soft tissue; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; and • Relevant standards and legislation.

Occupation	Radiation source	Prerequisites
Pain Medicine Physician	Fluoroscopic X-ray unit	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the specialty of Pain Medicine with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed a recognised short course in radiation safety with respect to fluoroscopic equipment. (Recognised courses MEDI-1 or MED 1-2)
Physiotherapist	Class 4 laser (A Class 3B laser is exempt from licensing for 'use' by this profession)	<ul style="list-style-type: none"> • Must hold general registration as a Physiotherapist with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must provide evidence of training in the use of lasers, which must contain a practical component demonstrating training in the use of lasers for treatments on patients while under appropriate clinical supervision. <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. Labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; • Relevant standards and legislation; and • Difference between a coherent and incoherent light source.

Occupation	Radiation source	Prerequisites
Podiatrist	Class 4 laser (A Class 3B laser is exempt from licensing for 'use' by this profession)	<ul style="list-style-type: none"> • Must hold general registration as a Podiatrist with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must provide evidence of training in the use of lasers, which must contain a practical component demonstrating training in the use of lasers for treatments on patients while under appropriate clinical supervision. <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. Labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; • Relevant standards and legislation; and • Difference between a coherent and incoherent light source.
Radiation Oncologist	Medical therapeutic radiation sources	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the specialty of Radiation Oncology with the Australian Health Practitioner Regulation Agency (AHPRA). <p>OR</p> <ul style="list-style-type: none"> • Must hold general or specialist registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must be eligible for membership of the Royal Australian & New Zealand College of Radiologists (Oncology Subsection).
Radiation Therapist	Medical therapeutic radiation sources	<ul style="list-style-type: none"> • Must hold general registration as a Radiation Therapist with the Australian Health Practitioner Regulation Agency (AHPRA).
Radiographer	Medical diagnostic imaging units	<ul style="list-style-type: none"> • Must hold general registration as a Diagnostic Radiographer with the Australian Health Practitioner Regulation Agency (AHPRA).

Occupation	Radiation source	Prerequisites
Radiologist	Medical diagnostic imaging units	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the specialty of Radiology with the Australian Health Practitioner Regulation Agency (AHPRA). <p>OR</p> <ul style="list-style-type: none"> • Must hold general or specialist registration as a Medical Practitioner with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must be eligible for membership of the Royal Australian & New Zealand College of Radiologists (ANZCR).
Surgeon	Fluoroscopic X-ray unit	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the specialty of Surgery with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed a recognised short course in radiation safety with respect to fluoroscopic equipment. (Recognised courses listed under MEDI)

Occupation	Radiation source	Prerequisites
Plastic Surgeon	Mobile fluoroscopy x-ray unit	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the specialty of Plastic Surgery with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed a recognised short course in radiation safety with respect to fluoroscopic equipment. (Recognised courses listed under MED1)
	Medical Laser or IPL	<ul style="list-style-type: none"> • Must be registered as a medical specialist in the specialty of Plastic Surgery with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Be admitted as a fellow of the Royal Australian College of Surgeons (RACS); AND • Must provide evidence of experience in the use of laser apparatus for plastic surgery purposes. This will be assisted by providing evidence of having satisfactorily completed an appropriate laser safety course, in addition to any specific training covering the use of lasers for the intended surgical procedures; AND • Must provide evidence of training in the safe operation of the particular make and model of laser/IPL that is to be used. <p>An appropriate laser training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Interaction of lasers with hard and soft tissue; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses. Labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; and • Relevant standards and legislation.

Dental

Occupation	Radiation source	Prerequisites
Dentist <i>continued over page</i>	Intra-oral x-ray unit Panoramic radiography unit Cephalometric radiography unit	<ul style="list-style-type: none"> • Must be registered as a Dentist with the Australian Health Practitioner Regulation Agency (AHPRA).
	Dental 3D volumetric imaging unit (Cone Beam Volume Computed Tomography - CBVCT)	<ul style="list-style-type: none"> • Must be registered as a Dentist with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must have successfully completed, within the last 12 months, a recognised radiation safety training course under DEN4; AND • Must have successfully completed, within the last 12 months, a recognised equipment applications training course listed under DEN5.

Occupation	Radiation source	Prerequisites
Dentist <i>continued</i>	Laser (Class 3B and 4)	<ul style="list-style-type: none"> • Must be registered as a Dentist with the Australian Health Practitioner Regulation Agency (AHPRA); AND • Must provide evidence of satisfactory completion of an appropriate dental laser course within the past three years (training in the use of lasers for hard and soft tissue dental procedures must contain a practical component demonstrating training in the use of lasers on patients whilst under appropriate clinical supervision); AND • Must provide evidence of laser safety training; AND • Must provide evidence of training in the safe operation of the particular make and model of dental laser that is to be used. <p>An appropriate laser safety training course would cover the following:</p> <ul style="list-style-type: none"> • Classification of lasers and potential hazards for each classification; • Basic laser physics, collimation/coherence and how this relates to safe use, power, wavelength; • Laser safety terminology such as MPE, NHZ and NOHZ; • Biological effects of lasers; • Interaction of lasers with hard and soft tissue; • Other potential hazards, fire (gases used and stored near lasers, alcohol swabs), electrical safety and airborne contaminants; • PPE, laser safety glasses, Labelling of Optical Density and wavelength coverage; • Infection control; • Organising the surgery to minimize laser hazards; and • Relevant standards and legislation.

Occupation	Radiation source	Prerequisites
Dental Assistant Dental Nurse	Intra-oral x-ray unit	<ul style="list-style-type: none"> • Must have successfully completed a recognised course listed under DEN1 or a recognised course listed under DEN3.
	Panoramic radiography unit (excluding CBVCT)	<ul style="list-style-type: none"> • Must have successfully completed a recognised course listed under DEN1; AND • Must have successfully completed a recognised course listed under DEN2. <p>OR</p> <ul style="list-style-type: none"> • Must have successfully completed a recognised course listed under DEN3.
Dental Hygienist Dental Therapist Oral Health Therapist	Intra-oral x-ray unit	<ul style="list-style-type: none"> • Must be registered as a Dental Practitioner with Australian Health Practitioner Regulation Agency (AHPRA).
	Panoramic radiography unit Cephalometric radiography unit (excluding CBVCT)	<ul style="list-style-type: none"> • Must be registered as a Dental Practitioner with Australian Health Practitioner Regulation Agency (AHPRA); AND • Must provide evidence of training in the use of Panoramic and Cephalometric radiographic units.

Veterinary

Occupation	Radiation source	Prerequisites
Veterinary Nurse	Veterinary general x-ray unit	<ul style="list-style-type: none"> • Must have successfully completed a Certificate IV course in Veterinary Nursing; AND • Must have successfully completed the Radiation Protection Unit 'Examination for intending users of veterinary x-ray equipment'.
Veterinary Surgeon	Veterinary general x-ray unit	<ul style="list-style-type: none"> • Must be currently registered with the Veterinary Board of Tasmania or equivalent Australian authority.
	Veterinary fluoroscopic x-ray unit	<ul style="list-style-type: none"> • Must be currently registered with the Veterinary Board of Tasmania or equivalent Australian authority; AND • Must have successfully completed a recognised short course in the safe use of fluoroscopic X-ray unit. (Recognised course VET1-1)
	Unsealed radioactive material used in veterinary nuclear medicine	<ul style="list-style-type: none"> • Must be currently registered with the Veterinary Board of Tasmania or equivalent Australian authority; AND • Must have successfully completed a recognised course in radiation safety with respect to unsealed radioactive material; (Recognised courses listed under VET3); AND • Must provide evidence of training from a licensed veterinary practitioner in the administration of unsealed radioactive material.

Note: Veterinary Surgeons who do not hold current Tasmanian registration, but hold current unencumbered general or specialist registration as a Veterinary Surgeon in another Australian jurisdiction should provide evidence of this registration and their application will be considered on a case by case basis.

Baggage/product screening

Occupation	Radiation source	Prerequisites
Radiation Safety Officer	Baggage or product screening equipment	<ul style="list-style-type: none"> • Must have successfully completed a recognised course under IND-4; AND • Must have successfully completed manufacturers training appropriate to the type of screening equipment to be used.

Industrial

Occupation	Radiation source	Prerequisites
Borehole Logger	Borehole logging radiation sources	<ul style="list-style-type: none"> Must have successfully completed in-house training in the use of borehole logging equipment or a recognised training course IND5-1.
Health Physicist	Radiation sources (various)	<ul style="list-style-type: none"> Must have ionising radiation safety certification from ARPAB or equivalent body. OR Must have successfully completed a Bachelor degree majoring in physics, medical physics, or equivalent; AND Must provide evidence of training appropriate to the type of sources proposed to be used.
Industrial Radiographer	Industrial radiography sealed source apparatus Industrial radiography x-ray unit	<ul style="list-style-type: none"> Must complete AINDT Level 2 or PCN certification from BINDT, or equivalent; AND Must have successfully completed a recognised course in radiation safety with respect to industrial radiography. (Recognised courses listed under IND1)
Portable Nuclear Moisture/Density Gauge Operator	Portable nuclear moisture/density gauges	<ul style="list-style-type: none"> Must have successfully completed a recognised course in radiation safety with respect to portable nuclear moisture/density gauges (Recognised courses listed under IND2); AND Must provide evidence of training to use portable soil moisture/density gauges; AND Must pass the Radiation Protection Unit 'Examination for Intending Users of Soil Moisture/Density Gauges Containing Radioactive Sources'.
Service Technician	Radiation sources (various)	<ul style="list-style-type: none"> Must provide evidence of training in the type of equipment proposed to be serviced; AND Must have completed a recognised course in radiation safety appropriate to the sources proposed to be used. (Recognised courses listed under IND4)

Note: Applicants who have completed a course other than any of the courses listed in the preceding pages should contact the Radiation Protection Unit to check suitability of a course to obtain a specific licence. Applications will be considered on a case by case basis.

Education and Research

Occupation	Radiation source	Prerequisites
Education and Research	Radiation sources (various)	<ul style="list-style-type: none"> • Must have successfully completed a recognised course in radiation safety appropriate to the sources proposed to be used; AND • Must pass the applicable Radiation Protection Unit examination. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Must provide evidence of relevant training, knowledge and experience; AND • Must provide evidence of training in the use of the sources proposed to be used.

Note: Applications for a licence to use radiation sources for the purpose of Education and Research will be assessed on an individual (case-by-case) basis. Applicants are encouraged to provide a comprehensive curriculum vitae (resume) to support their application.

Recognised Training Courses

Medical

Radiation source	Course No.	Course Title	Course Provider / Contact Details
Fluoroscopic X-ray Unit	MED1-1	The Safer Use of Fluoroscopy Equipment	Anthony Wallace X-ray Safety Services Mobile: 0407 051 333 Email: xrss@bigpond.net.au
	MED1-2	Non-Radiologist Fluoroscopy Safety Course/X-ray Fluoroscopy Course for plastic surgeons	Jonathon Thwaites Medical and Scientific Services Email: jonathon.thwaites@uwa.edu.au Mobile: 0419 924 355 Website: medicalandscientificservices.com.au
Mini C-arm X-ray Unit	MED1-3	Radiation Safety in the Use of Mini C Arm X-ray Equipment	RADSMART Gordon and Jocelyn Mackenzie Radiation Safety Training Specialists 13 Cassandra Crescent HEATHCOTE NSW 2233 Phone: (02) 9520 6340 Mobile: 0409 600 646 Email: info@radsmart.com.au

Radiation source	Course No.	Course Title	Course Provider / Contact Details
General X-ray Unit <i>continued over page</i>	MED2-1	Basic Radiographic Principles for General Practitioners	Garth Faulkner Chief Radiographer Launceston General Hospital Phone: (03) 6777 6081 OR Leanne Broxam Regional Imaging, Burnie Phone: (03) 6430 6711 Email: Leanne.broxam@regionalimagong.com.au
	MED2-2	NSW limited licence radiography course (formerly NSW remote x-ray operators licensing course)	Department of Rural Health University of Newcastle A/Prof Tony Smith Deputy Director - UDRH Program Phone: (02) 4055 1900 E-mail: tony.smith@newcastle.edu.au

Radiation source	Course No.	Course Title	Course Provider / Contact Details
General X-ray Unit <i>continued</i>	MED2-3	General Radiography: Introduction to the Principles and Practice for Rural General Practitioners	Monash University Department of Medical Imaging & Radiation Sciences Building 13C, Room 132 Monash University VIC 3800 Phone: (03) 9905 8196 Fax: (03) 9902 9500 Website: www.med.monash.edu.au/radiography
	MED2-4	Rural and Remote Radiography Course	Sonographic Solutions Pty Ltd PO Box 1061 Firlie SA 5070 Mobile: 0400 777 916 Fax: (08) 8331 9983 Email: jim@sonographic.com.au Website: www.sonographic.com.au
	MED2-5	Rural and Remote Operator Course	University of South Australia 101 Currie Street Adelaide SA 5000 Phone: (08) 8302 2425 Email: healthstudy@unisa.edu.au

Radiation source	Course No.	Course Title	Course Provider / Contact Details
General X-ray Unit <i>continued</i>	MED2-6	Remote Operator Course	Gammasonics Institute for Medical Research Pty Ltd Vivien Munoz-Ferrada Suite 3, 79-85 Mars Rd Lane Cove West NSW 2066 Email: vivien@gammasonics.com Phone: (02) 9713 0000 Mobile : 0419 811 151
Ophthalmic Applicators	MED3-I	Ophthalmic Use of Strontium 90 Applicators	Radiation Team Department of Health & Human Services 50 Lonsdale Street Melbourne VIC 3000 Phone: 1300 767 469 Email: radiation.safety@dhhs.vic.gov.au
Computed Tomography (CT)	MED4-I	Diagnostic CT in Molecular Imaging Program	Victorian Society of Nuclear Medicine Technologists Inc PO Box 506 Heidelberg VIC 3084 Email: ctcourseadvisor@vsnmt.com Website: www.vsnmt.com
Bone Mineral Densitometer <i>continued over page</i>	MED5-I	Bone Densitometry Course	ANZBMS 145 Macquarie Street Sydney NSW 2000 Phone: (02) 9256 5405 Fax: (02) 9251 8174 Email: ijohnson@anzbms.org.au Website: https://www.anzbms.org.au

Radiation source	Course No.	Course Title	Course Provider / Contact Details
Bone Mineral Densitometer <i>continued</i>	MED5-2	Bone Mineral Density (DXA) – off campus learning course	<p>Monash University Department of Medical Imaging & Radiation Sciences Building 13C Room 132 Monash University VIC 3800 Phone: (03) 9905 8196 Fax: (03) 9902 9500 Website: www.med.monash.edu.au/radiography</p>
	MED5-3	Bone Densitometry Course	<p>The International Society of Clinical Densitometry (ISCD) Geoff Roff Phone: 0420 508 638 Email: Gkroff@gmail.com</p>
	MED5-4	Certificate of completion - InMed Radiation Safety Course and Training Certificate for DEXA & pQCT	<p>InMed 45 Prime Drive Seven Hills NSW 2147 Phone: 1300 364 336 Website: www.inmed.com.au</p>
Mammographic X-ray Unit	MED6	Graduate Diploma of Mammography	<p>Charles Sturt University Wagga Wagga NSW 2678 Phone: (02) 6338 6077 Website: www.csu.edu.au/courses/graduate-diploma-of-mammography</p>

Lasers

Radiation source	Course No.	Course Title	Course Provider / Contact Details
Laser and IPL	IPL7-1	Diploma in Beauty Therapy (SHB50115)	Visit training.gov.au to find a list of providers for this course
	IPL7-2	Graduate Certificate in Intense Pulsed Light and Laser Hair Reduction (SHB40115)	Visit training.gov.au to find a list of providers for this course
	IPL7-3	Laser and Intense Pulse Light Radiation Safety Course	Advanced Beauty Training Phone: 0438 348 158 Email: advancedbeautytraining@gmail.com Website: www.advancedbeautytraining.net/
	IPL7-4	Certificate IV in Beauty Therapy (SIB4110)	Website: www.tafecourses.com.au
	IPL7-5	Laser and IPL device training	The Global Beauty Group Website: www.theglobalbeautygroup.com.au
	IPL7-6	Laser and IPL Safety Courses	Bravura Education Website: www.bravura.edu.au
	IPL7-7	Laser and IPL safety Courses	Fleming Laser Website: https://fleminglaser.com.au
	IPL7-8	Medical Laser Safety Courses	Medical & Scientific Services Website: http://medicalandscientificservices.com.au
	IPL7-9	Laser and IPL Safety Courses	Godfrey Town, UK

Dental

Radiation source	Course No	Course Title	Course Provider / Contact Details
Dental Intra-Oral X-ray Unit	DEN1-1	Certificate IV in Dental Assisting	RMIT University GPO Box 2476 Melbourne VIC 3001 Phone: (03) 9925 2000 Website: www.rmit.edu.au
	DEN1-2	Certificate IV in Dental Assisting (HLT43012)	TAS TAFE Clarence Campus 44 Bounty Street Warrane TAS 7018 Email: tracey.laws@tastafe.tas.edu.au Phone: (03) 6165 6583
	DEN1-3	Certificate IV in Dental Assisting	TAFE SA- Gilles Plains Campus 33 Blacks Road Gilles Plains SA 5086 Phone: (08) 8207 1119 Fax: (08) 8207 1151
	DEN1-4	ADA NSW Dental Assistants Training Course	ADA NSW 69 Nicholson Street St Leonards NSW 2065 Phone: (02) 8436 9900 Fax: (02) 8436 9999 Email: adansw@adansw.com.au

Radiation source	Course No	Course Title	Course Provider / Contact Details
Dental Panoramic / Cephalometric X-ray Unit	DEN2-1	Panoramic Radiography Licensing Course	RMIT University GPO Box 2476 Melbourne VIC 3001 Phone: (03) 9925 2000 Website: http://www.rmit.edu.au
	DEN2-2	Cone Beam CT and Panoramic Imaging System Training Program	Carestream Dental Grd Flr Suite 403 18-20 Orion Road Lane Cove NSW 2066 Phone: (02) 9919 4564 Mobile: 0419 306 135
Dental Intra-Oral and Panoramic / Cephalometric X-ray Unit	DEN3-1	Certificate IV in Dental Assisting – Radiography (HLT43012)	ADA Queensland 26-28 Hamilton Place Bowen Hills QLD 4006 Phone: (07) 3252 9866 Fax: (07) 3252 4488 Email: training@adaq.com.au Website: www.adaq.com.au
	DEN3-2	Certificate IV in Dental Assisting (Dental Radiography) (HLT43012)	Menzies Institute of Technology 355 Spencer Street Melbourne VIC 3003 Phone: 1300 244 002 Website: www.menzies.vic.edu.au Email: info@menzies.vic.edu.au
	DEN3-3	Certificate IV in Dental Assisting (HLT43012)	Foundation Education PO Box 303 Lutwyche QLD 4030 Phone: 1300 138 434 Fax: 1300 137 253 Web: www.foundationeducation.edu.au/

Radiation source	Course No	Course Title	Course Provider / Contact Details
Dental Cone Beam Volume Computed Tomography (CBVCT) - Radiation Safety	DEN4-1	Cone Beam CT Training Course	Dr Louise Brown Email: louise@teledent.com.au Phone: (03) 9816 9026 Website: www.teledent.com.au
	DEN4-2	Dental Cone Beam CT licensing course	Prof Bernard Koong Envision Medical Imaging Suite 5, 178 Cambridge Street Wembley WA 6014 Phone: (08) 6382 3888 Fax: (08) 6382 3800 Website: www.envisionmi.com.au

Radiation source	Course No	Course Title	Course Provider / Contact Details
Dental Cone Beam Volume Computed Tomography (CBVCT) - Applications training	DEN5-1	Planmeca ProMax 3D - Cone Beam 3D Dental Imaging System Training Program	Body Logic Resources Suite 37, 58 Riverwalk Avenue Robina QLD 4226 Phone: (07) 5562 0355
	DEN5-2	i-CAT - Cone Beam 3D Dental Imaging System Training Program	
	DEN5-3	Sirona 3D X-Ray Radiography and Application Course	Sirona Dental Systems Unit 1, 31 Sabre Drive Port Melbourne VIC 3207 Phone: (03) 8698 6300 Fax: (03) 9676 2339
	DEN5-4	Carestream Dental Australia Cone Beam CT and Panoramic Imaging System Training Program	Carestream Dental Grd Flr Suite 403 18-20 Orion Road Lane Cove NSW 2066 Phone: (02) 9919 4564 Mobile: 0419 306 135
	DEN 5-5	Advanced Diagnostic Imaging Cone Beam CT, OPG and Cephalometric Application Course	Advanced Diagnostic Imaging 30 Pepper Tree Rd Lidcombe NSW 2141 Mobile: 0499 778 665
	DEN 5-6	Soredex Cone Beam CT Training Course	Australian Imaging 54/5-7 Inglewood Place Baulkham Hills NSW 2153 Mobile: 0450 874 563
	DEN5-7	RAYSCAN CBCT, OPG and Cephalometric Application Training Course	Ray Medical Australia Sam (Saad) Nawaz, Product Manager 1 Cassins Ave North Sydney NSW 2060 Phone: 1300 813 050 Mobile: 0422 650 700 Web: www.raymedical.com.au Email: sam@rayaustralia.com.au

Veterinary

Radiation source	Course No.	Course Title	Course Provider / Contact Details
Fluoroscopy X-ray Unit	VET1-1	The Safer Use of Fluoroscopy Equipment	Anthony Wallace X-ray Safety Services Mobile: 0407 051 333 Email: xrss@bigpond.net.au
Computed Tomography X-ray Unit	VET2-1	Training in the use of Computed Tomography X-ray Units	CT Imaging Solutions Geoffrey Dick 42 Mount Morton Road Belgrave South VIC 3160 Mobile: 0411 121 348 Email: geoffrey.dick@monash.edu
	VET2-2	The Safer Use of CT Equipment	Anthony Wallace X-ray Safety Services Mobile: 0407 051 333 Email: xrss@bigpond.net.au
Unsealed Radioactive Material <i>continued over page</i>	VET3-1	Safe Use of Radioisotopes in Laboratories (Note: Course is run in NSW only)	RADSMART Gordon and Jocelyn Mackenzie Radiation Safety Training Specialists 13 Cassandra Crescent Heathcote NSW 2233 Phone: (02) 9520 6340 Mobile: 0409 600 646 Email: info@radsmart.com.au

Radiation source	Course No.	Course Title	Course Provider / Contact Details
Unsealed Radioactive Material <i>continued</i>	VET3-2	Veterinary Nuclear Medicine and Radiation Safety and Protection	Gammasonics Institute for Medical Research Pty Ltd Vivien Munoz-Ferrada Suite 3, 79-85 Mars Rd Lane Cove West NSW 2066 Email: vivien@gammasonics.com Phone: (02) 9713 0000 Mobile: 0419 811 151

Industrial

Radiation source	Course No.	Course Title	Course Provider / Contact Details
Industrial Radiography Apparatus	INDI-1	Radiation Safety for Industrial Radiographers	ATTAR (Advanced Technology Testing and Research) Unit 1, 64 Bridge Road Keysborough VIC 3173 Phone: (03) 9574 6144 Email: admin@attar.com.au
	INDI-2	Radiation Safety Licence Examination X-ray & Gamma Methods	Australian NDT Leasing Neil Joiner 69 Waterloo Road Trafalgar VIC 3824 Phone: (03) 5633 3333 Email: njoiner@austndt.com.au
	INDI-3	Radiation Safety For Industrial Radiographers	Bureau Veritas Phone : (03) 5221 4322 Website: www.bureauveritas.com.au
	INDI-4	Radiation Safety in Industrial Radiography	Safe Radiation Pty Ltd Dr Riaz Akber Unit 19, 8 Jude Court Browns Plains QLD 4118 Phone: (07) 3800 9196 Email: safe@saferadiation.com

Radiation source	Course No.	Course Title	Course Provider / Contact Details
Nuclear Density / Moisture Gauge	IND2-1	Radiation safety in the use of Nuclear Density/Moisture Gauge	Vtech Materials Testing Pty Ltd 5 Scholar Drive University Hill Bundoora VIC 3083 Phone: (03) 9467 9350 Fax: (03) 9467 9436 Email: sales@vtech-mte.com.au Website: www.vtech-mte.com.au
	IND2-2	Radiation Safety Awareness and Portable Gauges	SGS Radiation Services 10/585 Blackburn Road Notting Hill VIC 3168 Phone: (03) 9574 3200 Email: darren.billingsley@sgs.com www.sgs.com.au
	IND2-3	Industrial Radiation Safety Level 2	McKavanagh Engineering Services Pty Ltd 40 Burns Street Fernvale QLD 4306 Phone: (07) 5427 0126 Website: www.mckeng.com.au/training/Level2-soildensity-flyer.html

Radiation source	Course No.	Course Title	Course Provider / Contact Details
Unsealed Radioactive Material	IND3-1	Safe Use of Radioisotopes in Laboratories (Note: Course is run in NSW only)	RADSMART Gordon and Jocelyn Mackenzie Radiation Safety Training Specialists 13 Cassandra Crescent Heathcote NSW 2233 Phone: (02) 9520 6340 Mobile: 0409 600 646 Email: info@radsmart.com.au
	IND3-2	Radiation Safety Awareness & Unsealed Radioactive Sources	SGS Radiation Services 10/585 Blackburn Road Notting Hill VIC 3168 Phone: (03) 9574 3200 Email: darren.billingsley@sgs.com Website: www.sgs.com.au
X-ray Equipment	IND4-1	Radiation Safety in the Installation and Servicing of X-ray Equipment	RADSMART Gordon and Jocelyn Mackenzie Radiation Safety Training Specialists 13 Cassandra Crescent Heathcote NSW 2233 Phone: (02) 9520 6340 Mobile: 0409 600 646 Email: info@radsmart.com.au

Radiation source	Course No.	Course Title	Course Provider / Contact Details
Fixed Gauges	IND4-2	Radiation Safety Training Course – Fixed Gauges	Dr Kent Gregory SA Radiation Pty Ltd Mobile: 0410 388 018 Email: kent@saradiation.com.au Website: www.saradiation.com.au
	IND4-3	Radiation Safety Awareness and Fixed Gauges	SGS Radiation Services 10/585 Blackburn Road Notting Hill VIC 3168 Phone: (03) 9574 3200 Email: darren.billingsley@sgs.com Website: www.sgs.com.au
Cabinet X-ray	IND4-4	Radiation Safety Awareness for Cabinet X-ray systems	SGS Radiation Services 10/585 Blackburn Road Notting Hill VIC 3168 Phone: (03) 9574 3200 Email: darren.billingsley@sgs.com www.sgs.com.au

Radiation source	Course No.	Course Title	Course Provider / Contact Details
X-ray Analysis	IND4-5	Radiation Safety Awareness and X-ray Analysis Systems	SGS Radiation Services 10/585 Blackburn Road Notting Hill VIC 3168 Phone: (03) 9574 3200 Email: darren.billingsley@sgs.com Website: www.sgs.com.au
	IND4-6	Radiation Safety Training Course - XRF and XRD	Dr Kent Gregory SA Radiation Pty Ltd Mobile: 0410 388 018 Email: kent@saradiation.com.au Website: www.saradiation.com.au
Borehole Logging Equipment	IND5-1	Radiation Safety Training Course – Borehole Logging	Dr Kent Gregory SA Radiation Pty Ltd Mobile: 0410 388 018 Email: kent@saradiation.com.au Website: www.saradiation.com.au

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