

2026



ASMIRT

Policies and Procedures **CT Certification**

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Australian Society of Medical Imaging and Radiation Therapy
Contact us at info@asmirt.org or call us on +61 3 9419 3336

asmirt.org



There are a number of protected titles for medical radiation practice. They include:

Medical Radiation Practitioner (MRP)

Diagnostic Radiographer (DR)

Medical Imaging Technologist (MIT)

Radiographer

Nuclear Medicine Scientist (NMS)

Nuclear Medicine Technologist (NMT)

Radiation Therapist (RT).

For the purposes of our documentation we use the broad descriptor Medical Radiation Practitioner (MRP) recognising that it covers a range of areas of practice.



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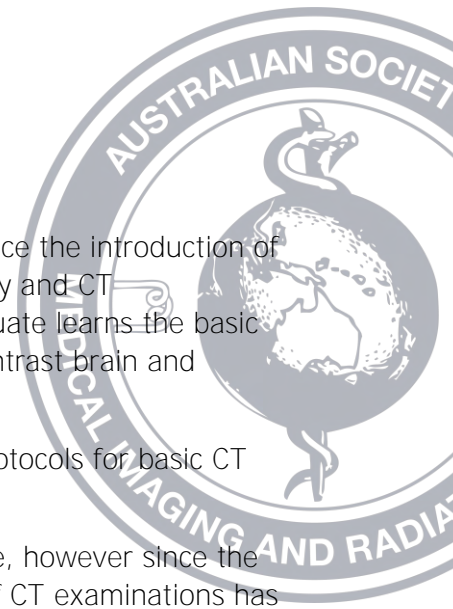
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Computerised Tomography - Introduction

Computed Tomography has undergone significant technical advances since the introduction of multi-slice technology. Undergraduate courses teach anatomy, physiology and CT instrumentation. During the formative early career period, the new graduate learns the basic clinical applications and is able to perform simple exams such as non-contrast brain and abdominal imaging.

An entry-level radiographer will have the skills to develop appropriate protocols for basic CT examinations of the head, chest and abdomen.

Historically, CT has been considered part of general radiographic practice, however since the introduction of helical and multi-detector CT the range and complexity of CT examinations has increased exponentially. Extensive additional training and clinical experience in CT is required before a radiographer can competently perform the wide range of examinations plus the development of new protocols and scan techniques routinely performed in most institutions.

To recognise the advances in CT technologies and the advancing role of radiographers, a Computed Tomography (CT) certification program was implemented to recognise the significant additional skills and training radiographers are required to obtain to ensure optimal examination quality and patient safety. This certification program currently consists of the intermediate practitioner level, which acknowledges the competencies developed in the early years post qualification and develops new skills learnt in the first 2-5 years of clinical CT practice.

The certification program will contain both examination and clinical components. Clinical **competency will be assessed by the applicant's supervisor and form part of the program.** This will be done by the use of a checklist that identifies the competencies required for specific examinations.

Certification of the CT Practitioner

A CT Pilot Study was conducted in February 2012 to assess the appropriateness of the intermediate level exam. This was a worthwhile exercise with exams now held three-times a year.

In 2019, the ASMIRT Board created Committees and reference groups comprising of volunteers who are the experts in particular areas of interest and expertise that the Board utilise to assist when advocating for the profession and patients, and to better assist and inform our members. As such the Education Committee and CT reference group (CTRG) were formed.

The ASMIRT Education Committee and CT reference Group now sets and maintains the standards for certification of CT practitioners.

Legislation

All radiographers in Australia under the terms of the Medical Radiation Practice Board Australia (MRPBA), **must operate within their "scope of Practice"** This means that additional training and expertise may need to be acquired to operate equipment or perform procedures competently.





Certification Policies

Certification Eligibility

Intermediate Level Certification

CT Intermediate Level Certification comprises a theoretical (part A) and a clinical component (part B).

CT Intermediate Level Certification is awarded to persons who have successfully completed part A and part B. Both part A and part B must be completed by the candidate within a 3-year period.

Part A – Theoretical Component. Is a written examination which involves a paper not exceeding 150 multiple-choice questions covering topics such as: CT anatomy (including vascular and muscular skeletal), CT radiation and physical principles as well as applications.

For further information regarding the CT Intermediate Level Certification Examination, please see Page 11 of this document.

Part B – Clinical Component. Requires the candidate’s supervisor to acknowledge completion of 500 clinical CT examinations. These 500 examinations must have taken place within a 12-month period. This period must have occurred within the 3 years prior to application submission.

The clinical CT examinations must include a variety of examination types. A total of 10 examination types have been identified. A radiographer must have performed exams in 7 out of 10 categories:

- Head/brain
- Neck
- Chest (including HRCT)
- Abdomen (including multi-phase liver, pancreas and kidney)
- Extremities
- Trauma
- Intervention
- Paediatric
- CTA
- Spine



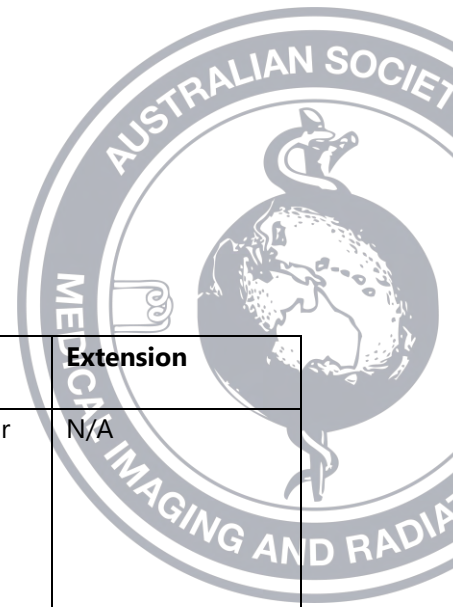


Table 1.

CT Intermediate Level Certification Requirements.

	Eligibility Requirements	Time to Acquire	Certification Duration	Extension
Intermediate Level Application	Part A - Undertake Intermediate Level Certification Examination. Part B - Complete 500 clinical CT examinations.	Part A and Part B must be completed within a 3-year period. Application submission must occur within 3-years of sitting Part A examination.	3-year expiry for Intermediate Level Certification.	N/A
Intermediate Level Application Lapsed	If application submission does not occur within 3 years of undertaking Intermediate Certification Examination, applications must re-sit Intermediate Certification Examination.			

[Intermediate Level Certification Renewal](#)

Renewal of CT Intermediate Level Certification requires completion of 1000 clinical CT examinations over a 3-year period. This period must have occurred immediately prior to application submission.

Renewal submissions must be received by the Secretariat no later than 6 months after expiry of previous CT Intermediate Level Certification. If this timeline is not adhered to, Certification will be deemed as expired, and participants will be required to reapply and complete both part A and part B.



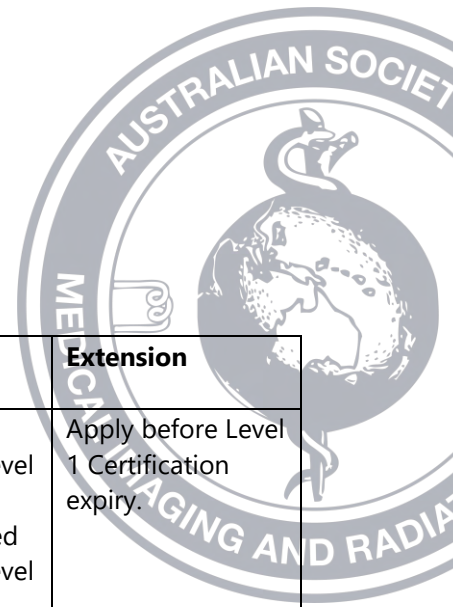


Table 2.

CT Intermediate Level Certification Renewal Requirements.

	Eligibility Requirements	Time to Acquire	Certification Duration	Extension
Intermediate Level Renewal	Complete 1000 clinical CT examinations.	1000 clinical CT examinations must be completed within a 3-year period. This 3-year period must have occurred immediately prior to application submission.	As for Intermediate Level 6-month grace period for lapsed Intermediate Level Certification.	Apply before Level 1 Certification expiry.
Intermediate Level Renewal Lapsed	Re-sit Intermediate Level Certification Examination. Complete 500 clinical CT examinations.	Must be completed within a 3-year period.	As for Intermediate Level Application.	N/A

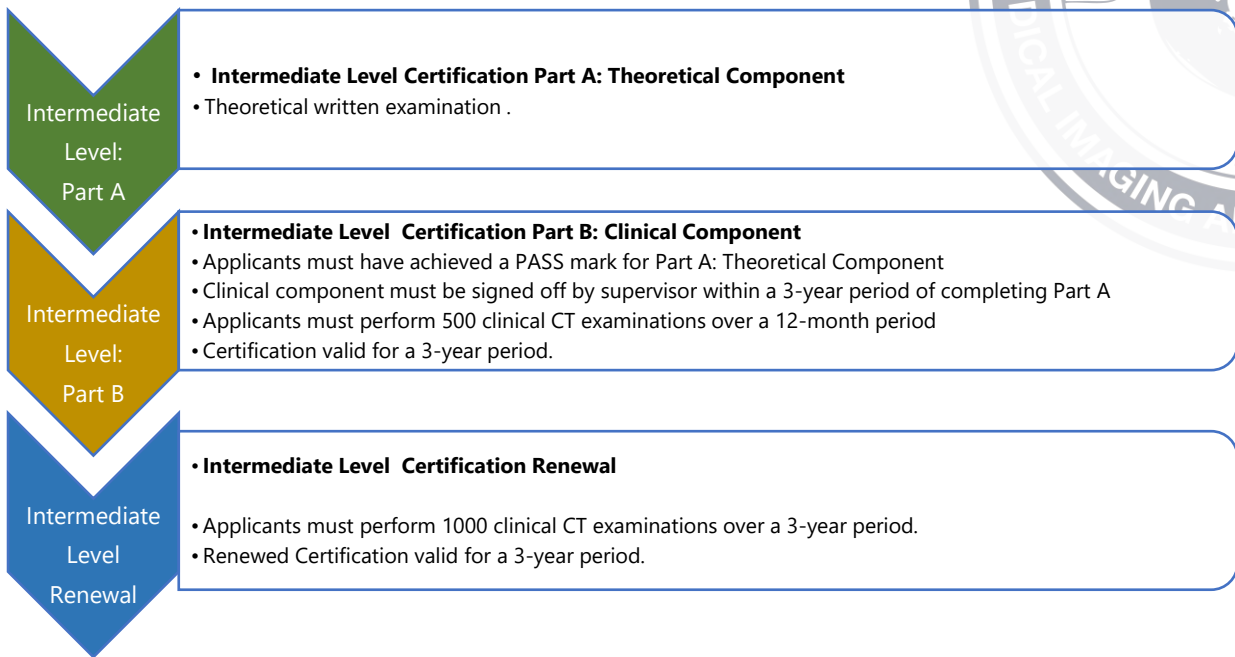




Intermediate Level Renewal

Figure 1.

Process of Application for CT Intermediate Level Certification.



Signatory on Part B of Intermediate Level Certification Applications

The Supervisor CT Radiographer is defined as a practitioner who holds MRPBA registration, **appropriate radiation licenses and has a minimum of 5 years’ experience in medical imaging** with at least 2 years of full-time equivalent CT experience.

These criteria are the minimum requirements for a Supervisor CT Radiographer to be a signatory on Part B of the Certification application.

Supervisors are preferably practitioners who hold CT certification.

Certification Length

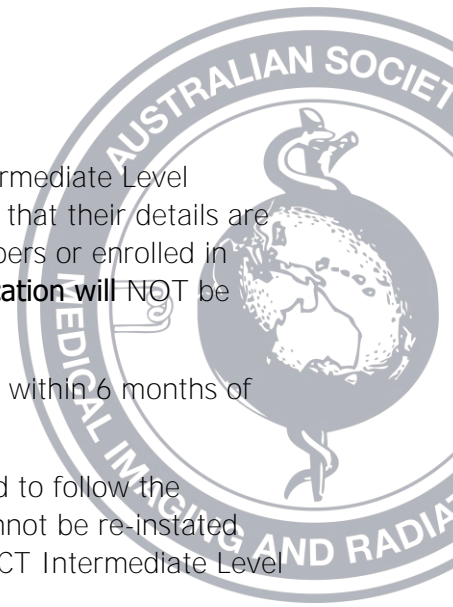
CT Intermediate Level Certification has a 3-year expiry from date of issue. Renewed CT Intermediate Level Certification will coincide with the original date of issue and will also have a 3-year expiry.

Practitioners who pass the theoretical written examination (part A) have a 3-year period to apply for their CT Intermediate Level Certification.

Certification Renewals

Notification of a forthcoming Certification expiry will be emailed 4 months prior to the expiry date. This email will contain a link to the CT policies and procedures/renewal guidelines and application form. Renewals will only be sent to practitioners who are current financial members of ASMIRT (this includes Voting Members and Non-Member CPD subscribers) and is dependent on registered email address being maintained by the member.





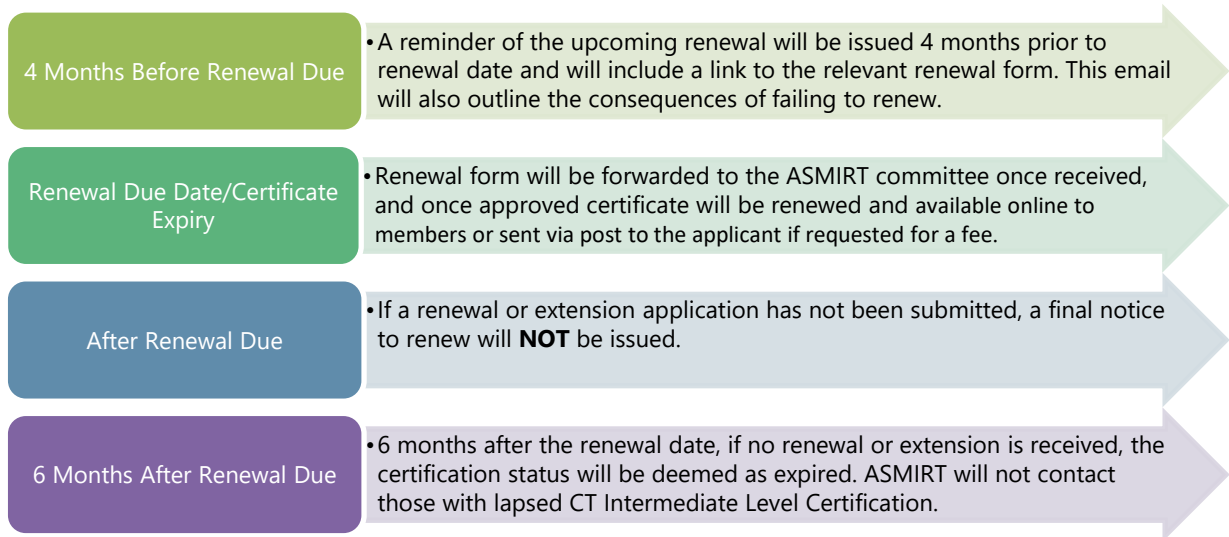
If the practitioner fails to return the renewal application form for CT Intermediate Level Certification, a final notice will NOT be issued. Practitioners must ensure that their details are current and up to date in their member profile. Those who are not members or enrolled in **ASMIRT's CPD program and have a lapsed CT Intermediate Level Certification will NOT** be contacted by ASMIRT with a renewal notice.

If practitioners neglect to renew their CT Intermediate Level Certification within 6 months of the expiry date, their certification will be deemed lapsed by ASMIRT.

Practitioners with lapsed CT Intermediate Level Certification are expected to follow the procedures outlined under Certification Eligibility. Lapsed certification cannot be re-instated without the candidate correctly following all of the outlined criteria for a CT Intermediate Level Certification application (see Page 6 of this document).

Figure 2.

Outline of the Renewal Process for CT Intermediate Level Certification.



Lapsed Certificates

Practitioners who allow their certificate to lapse may request an extension. These are granted on a case-by-case basis. It is up to the certificate holder to check their renewal dates. If a lapsed renewal is allowed, then the expiry date will be 3 years from the expiration date.

Extensions

Practitioners who are unable to fulfil the requirements of renewing their intermediate Certification before the renewal due date, are able to apply for a CT Certification Extension. **Supporting documentation must be attached to the application for review (Doctor's certificates, letter from employer, Statutory Declaration etc).**

Extension applications will be assessed on a case-by-case basis. The extension period granted is at the discretion of ASMIRT.





[Application Procedures](#)

CT intermediate Certification/Renewal Applications should be submitted electronically to ct@asmirt.org .

The documentation must contain scanned copies/electronic versions of:

1. Application Form
2. Completed CT intermediate Application



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CT Intermediate Level Certification

Part A: Theoretical Component - Written Examination

[CT Intermediate Level Certification Examination](#)

The theoretical written examination involves a paper not exceeding 150 multiple-choice questions covering topics such as: CT anatomy (including vascular and muscular skeletal), CT radiation and physical principles as well as applications.

The approximate percentage of questions (rounded down) related to each module is listed below:

- Part A: Anatomy & Pathology 20%
- Part B: Physical principles, hardware and artefacts 30%
- Part C: Contrast agents, radiation protection and dosimetry 20%
- Part D: CT technique 30%

To be successful in the theoretical written examination, an overall pass requires 75% or more correct answers overall, with no less than 65% in any one module. Failure to score 65% in every module will result in an overall fail mark.

After the conclusion of the examination, the results are tabled and undergo rigorous scrutiny.

CT Intermediate Level Certification examination results are **emailed** to all registered candidates **2 weeks post examination**. **The email will contain correspondence outlining a pass or fail result and candidates who fail receive a breakdown of their results for each section presented in the following form (see Table 3).**

Table 3.

Example of results breakdown provided to candidates who fail the theoretical written examination.

Part A	Part B	Part C	Part D
High Pass	Credit	Credit	Fail Score 50 -<60%

Pass score > 85% - High pass

Pass score 76-85%- Credit

Pass score 65-75%- Section Pass

Fail Score 60-64% - Close but needs more study

Fail Score 50 -<60% need a lot more study

Fail Score < 49% need a lot more study





Certification Examination Process

- The certification exams are held several times a year.
- The dates for the examination will be advertised at <https://asmirt.org/certification/>
- After completing the application form you will receive an email detailing the examination process
- After completing the online process, you will receive an email detailing the examination process.
- Examinations are held online, the date and time of the examination to be determined in collaboration with your examination supervisor.

Exam Venue

Examination venues must be an officially sanctioned venue eg. a workplace under the direct supervision of an examination supervisor. Supervisors are required to closely supervise candidates and be present in the examination room whilst the examination is in progress.

If you are unable to access your workplace for the examination, contact certification@asmirt.org for advice.

Examination Supervisor

Examination Supervisors must hold employment from an approved occupational group (e.g. the occupational groups approved to endorse Australian passport photographs). Supervisors should not have any direct professional or personal relationship with the candidate. Where possible they should not be their direct supervisor. They must not be related to the candidate by birth, marriage, de facto or in a **relationship, or live at the candidates' address. The examination supervisor must be approved by ASMIRT. Examination supervisors must sign the supervisor's declaration form acknowledging** commitment to upholding the integrity of the examination process.

By signing the supervisor's declaration, examiners are agreeing to ensure that the examinations are conducted fairly, ethically and professionally. It is an expectation that as a supervisor, these principles are upheld, and the integrity of the certification examinations are maintained.

**Centres hosting two or more candidates sitting the exam simultaneously in the same examination room, will be required to implement staggered examination start times.

Special Consideration

On the day of the examination

If a candidate experiences extenuating circumstances preventing their attendance at the examination venue, including illness, they should contact ASMIRT in writing within 24 hours of the scheduled examination.

If you commence the examination, you are ruled to be fit. Special consideration will not apply, and your result will be upheld. If you are unwell or unlikely to perform at your best, you should contact ASMIRT prior to the exam date. If you are unwell on the day of the examination, **DO NOT SIT THE EXAM**. Candidates may be considered for a refund.





Supporting documentation

Candidates will need to provide one or more of the following documents to support their application for refund consideration:

- Medical certificate or letter from a medical professional,
- Death notice or certificate and evidence of relationship,
- Police report,
- Statutory declarations from employer or relevant people,
- Notification from:
 - Defence services,
 - Juries Commissioner's Office,
 - Emergency service organisations such as the Country Fire Authority.

Medical/professional certificates must state that candidates were unfit to sit the examination or complete work for assessment on or before the relevant date and cannot be signed by a **member of the candidate's family.**

Certification Procedures

Assessments

CT Intermediate Level Certification applications and renewal applications are received by the Secretariat and forwarded for assessment. This process can take up to 8 weeks from the date **that the Secretariat receives a practitioner's application. A CT Intermediate Level Certification application will be dated from the date that the application was approved.** CT Intermediate Level Certification renewal applications will be dated from the original date that the application was approved.

Incorrect Applications

Practitioners who provide incorrect information on any application form will be emailed and/or have their application returned to them with notification querying the information provided and a list of information that needs to be reviewed by the practitioner and the Supervisor.

Extension Applications

Applications for extensions to CT Intermediate Level Certification are received by the Secretariat and forwarded review and assessment. This process can take up to 6 weeks and practitioners will be notified by email of the outcome, and extension time granted if applicable.

Current Application Forms

Practitioners must ensure that current application forms are submitted to ASMIRT, or applications will not be accepted.





FAQs

Do I have to sit the CT Certification Examination to work as a CT radiographer in Australia?

No, however passing the examination and being part of the ASMIRT CT Intermediate Level Certification program is an indication of your knowledge and commitment to your speciality within the Medical Imaging profession. This certification is not a qualification like a Master's degree which has no clinical requirement, but rather a program that ensures a level of knowledge that is measurable and common across Australia.

How much study do I have to do to pass the examination?

A cursory glance at the resource material and study guide suggests that this exam must be approached with a great deal of study and preparation. The examination is designed to test your clinical and academic ability. It is an indication of a knowledge base when measured against your colleagues. A study approach like any advanced program is suggested.

What percentages of candidates pass the exam?

This varies slightly, but on average more than 50% pass each exam. ASMIRT does not keep records on candidates who re-sit.

Do I have to join the 3-year Certification Program?

No, this is not a requirement as you may decide that passing the examination is adequate to demonstrate your abilities. There is however a limited time after passing the examination to join the program. If you choose to not join the certification program within the three-year time period, and, change your mind down the track, you may be required to re-sit the Intermediate Level examination again.

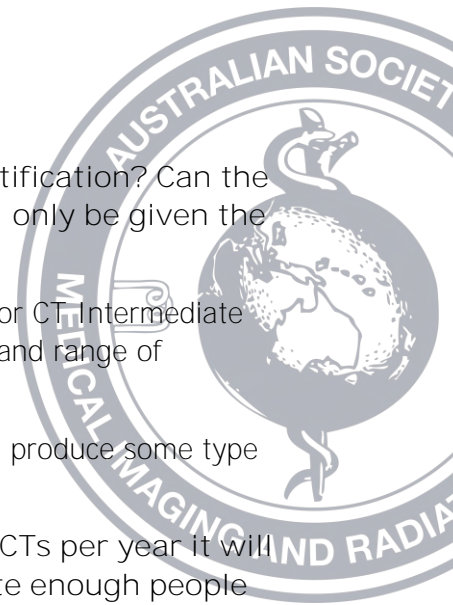
Why do I have to renew my Certification?

The program is designed to ensure that you complete a certain number of clinical examinations within a time period to maintain your skill and knowledge base. We encourage practitioners to maintain their certification to demonstrate their specialist professional practice standard. If you choose not to renew your certification after the three-year time period, you will need to commence the process again from the CT Intermediate Level 1 examination and CT clinical examinations

I have already performed over the 500 CT examinations over a 6-month period. Am I able to get my supervisor to sign my application form for the 6-month period, or do I have to wait for the 12 months to lapse or just reach over 500 examinations before I submit my application?

500 CT clinical examinations will satisfy the clinical component criteria. You can submit your application signed off by your supervisor as soon as you have achieved a successful result on your theoretical component.





Is there formal paperwork for part B of the CT Intermediate Certification? Can the 500 examinations be retrospective, or must a log be kept? Will I only be given the information if I successfully pass the Part A examination?

Once the examination has been successfully completed, you may apply for CT Intermediate Certification. The application will ask for information about the numbers and range of examinations performed. The 500 exams can be retrospective.

There is no need to keep a formal log. It is expected that candidates can produce some type of data to support the numbers provided if required.

In smaller departments such as ours where we do around 3200 CTs per year it will be difficult for anyone to maintain their certificate and still rotate enough people through CT to keep up competencies for our on-call service. Are these clinical examination numbers final?

The CT certification program aims to acknowledge the additional skills of more experienced CT staff. ASMIRT is aware that not all radiographers will be able to achieve these numbers. In smaller departments, it is likely that only one of two regular CT staff will be able to achieve certification. The numbers are set at this stage, although the program will undergo continual review. The CT certification program is voluntary and not a requirement of either ASMIRT or MRPBA to perform CT.

What exactly does Certification mean?

Certification has been developed to acknowledge the additional learning done by senior CT Radiographers as part of their clinical role. It is not a post graduate qualification in CT.

We have 2 people rostered to CT, one who scans and one who reconstructs. Would they both be able to claim one patient as an examination or would one person have to carry out the whole examination to claim it?

If one person is scanning and one reconstructing, it is the person who actually scans the patient who is considered responsible for the examination, not the person performing the reconstruction.

Will this lead to higher wages and will it be necessary to have certification in order to operate CT machines etc...?

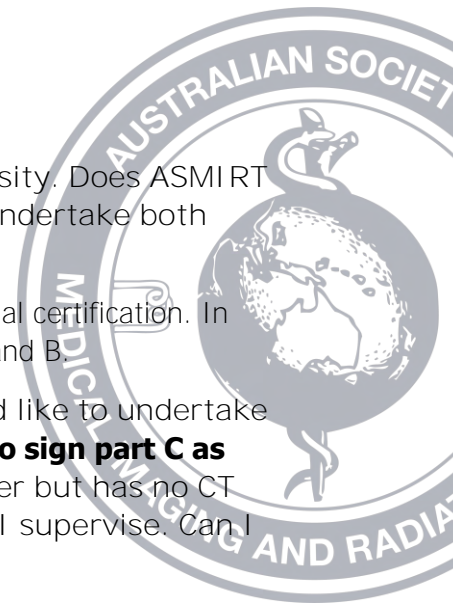
The CT certification process is not intended to lead to higher wages. If state-based awards acknowledge this type of certification as being eligible for a higher qualification, then it is up to the individual to negotiate this with their employer.

CT certification is not required to perform CT. It is still considered part of the scope of practice of a radiographer.

I am a newly qualified radiographer. Am I permitted to sit this exam?

There are no restrictions with regards to minimum level of CT experience required before undertaking the CT examination. There are however requirements for the clinical component, so if you are not working in the CT area, this may be a little difficult to achieve the required numbers of clinical examination. The CT certification program has been designed for more experienced CT practitioners.





I have a Master of Science in CT awarded by an overseas University. Does ASMIRT offer any certification for this qualification, or would I have to undertake both parts of the CT Certification process?

There is a difference between an academic qualification and a professional certification. In order to gain the ASMIRT Certificate, you will need to undertake Part A and B.

I am the Chief CT Radiographer running a CT practice and would like to undertake **the CT certification. As I am the "Supervisor", whom I can get to sign part C as 'supervisor' for the clinical component?** My CEO is a Radiographer but has no CT experience and there is only one other CT Radiographer, whom I supervise. Can I have our Radiologist sign part C?

It can be signed off by a supervising Radiologist, Chief Radiographer or an appropriate Manager. Evidence, such as RIS data should be available to substantiate the claim. This will also be the same for sole practice radiographers.

What do I do if I think that the examination result was wrong?

All examinations and subsequent results are reviewed and checked thoroughly prior to release. If you have queries regarding your examination, please contact the ASMIRT secretariat office.

Can I sit the Examination abroad?

Yes, examinations can be undertaken overseas providing that the examination venue is an officially approved and sanctioned venue eg. a workplace under the direct supervision of an examination supervisor. Supervisors are required to closely supervise candidates and be present in the examination room whilst the examination is in progress and must also be officially sanctioned as an approved ASMIRT supervisor. It is recommended that examinations are undertaken in Australia, to ensure that you have access to stable internet and the ASMIRT support team during the course of the examination.

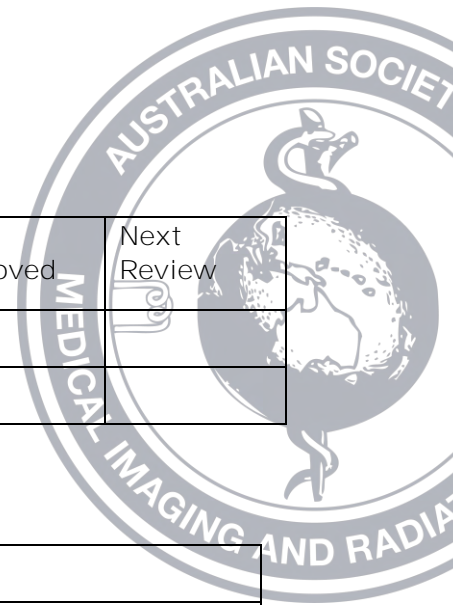
How do I improve my chances of passing the exam?

History has shown us that forming a study group, finding a mentor and practising as many questions as you can, will improve your outcome.

How many times can I sit the examination?

The maximum number of times you can sit this examination consecutively is 3. We recommend that you wait 12 months and seek assistance with your study prior to attempting your next examination.





Document Details

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2	MK	05/03/2026			

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1	Created Jun 2021
2	Updates: Document reviewed to reflect contemporary practice

